API Reference

AWS CodeBuild



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AWS CodeBuild: API Reference

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Welcome

AWS CodeBuild is a fully managed build service in the cloud. CodeBuild compiles your source code, runs unit tests, and produces artifacts that are ready to deploy. CodeBuild eliminates the need to provision, manage, and scale your own build servers. It provides prepackaged build environments for the most popular programming languages and build tools, such as Apache Maven, Gradle, and more. You can also fully customize build environments in CodeBuild to use your own build tools. CodeBuild scales automatically to meet peak build requests. You pay only for the build time you consume. For more information about CodeBuild, see the *AWS CodeBuild User Guide*.

This document was last published on November 14, 2026.

Actions

The following actions are supported:

- BatchDeleteBuilds
- BatchGetBuildBatches
- BatchGetBuilds
- BatchGetCommandExecutions
- BatchGetFleets
- BatchGetProjects
- BatchGetReportGroups
- BatchGetReports
- BatchGetSandboxes
- CreateFleet
- CreateProject
- CreateReportGroup
- CreateWebhook
- DeleteBuildBatch
- DeleteFleet
- DeleteProject
- DeleteReport
- DeleteReportGroup
- DeleteResourcePolicy
- DeleteSourceCredentials
- DeleteWebhook
- DescribeCodeCoverages
- DescribeTestCases
- GetReportGroupTrend
- GetResourcePolicy
- ImportSourceCredentials
- InvalidateProjectCache

- ListBuildBatches
- ListBuildBatchesForProject
- ListBuilds
- ListBuildsForProject
- ListCommandExecutionsForSandbox
- ListCuratedEnvironmentImages
- ListFleets
- ListProjects
- ListReportGroups
- ListReports
- ListReportsForReportGroup
- ListSandboxes
- ListSandboxesForProject
- ListSharedProjects
- ListSharedReportGroups
- ListSourceCredentials
- PutResourcePolicy
- RetryBuild
- RetryBuildBatch
- StartBuild
- StartBuildBatch
- StartCommandExecution
- StartSandbox
- StartSandboxConnection
- StopBuild
- StopBuildBatch
- StopSandbox
- UpdateFleet
- UpdateProject
- UpdateProjectVisibility

- UpdateReportGroup
- UpdateWebhook

BatchDeleteBuilds

Deletes one or more builds.

Request Syntax

```
{
   "ids": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

ids

The IDs of the builds to delete.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Length Constraints: Minimum length of 1.

Required: Yes

Response Syntax

```
{
   "buildsDeleted": [ "string" ],
   "buildsNotDeleted": [
      {
         "id": "string",
```

```
        "statusCode": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

buildsDeleted

The IDs of the builds that were successfully deleted.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Length Constraints: Minimum length of 1.

buildsNotDeleted

Information about any builds that could not be successfully deleted.

Type: Array of BuildNotDeleted objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

BatchGetBuildBatches

Retrieves information about one or more batch builds.

Request Syntax

```
{
   "ids": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

ids

An array that contains the batch build identifiers to retrieve.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Length Constraints: Minimum length of 1.

Required: Yes

Response Syntax

```
{
   "buildBatches": [
      {
         "arn": "string",
         "artifacts": {
            "artifactIdentifier": "string",
```

```
            "bucketOwnerAccess": "string",
            "encryptionDisabled": boolean,
            "location": "string",
            "md5sum": "string",
            "overrideArtifactName": boolean,
            "sha256sum": "string"
         },
         "buildBatchConfig": {
            "batchReportMode": "string",
            "combineArtifacts": boolean,
            "restrictions": {
               "computeTypesAllowed": [ "string" ],
               "fleetsAllowed": [ "string" ],
               "maximumBuildsAllowed": number
            },
            "serviceRole": "string",
            "timeoutInMins": number
         },
         "buildBatchNumber": number,
         "buildBatchStatus": "string",
         "buildGroups": [
            {
               "currentBuildSummary": {
                  "arn": "string",
                  "buildStatus": "string",
                  "primaryArtifact": {
                     "identifier": "string",
                     "location": "string",
                     "type": "string"
                  },
                  "requestedOn": number,
                  "secondaryArtifacts": [
                     {
                        "identifier": "string",
                        "location": "string",
                        "type": "string"
                     }
                  ]
               },
               "dependsOn": [ "string" ],
               "identifier": "string",
               "ignoreFailure": boolean,
               "priorBuildSummaryList": [
                  {
```

```
                "arn": "string",
                "buildStatus": "string",
                "primaryArtifact": {
                   "identifier": "string",
                   "location": "string",
                   "type": "string"
                },
                "requestedOn": number,
                "secondaryArtifacts": [
                   {
                      "identifier": "string",
                      "location": "string",
                      "type": "string"
                   }
                ]
             }
          ]
       }
    ],
    "buildTimeoutInMinutes": number,
    "cache": {
       "cacheNamespace": "string",
       "location": "string",
       "modes": [ "string" ],
       "type": "string"
    },
    "complete": boolean,
    "currentPhase": "string",
    "debugSessionEnabled": boolean,
    "encryptionKey": "string",
    "endTime": number,
    "environment": {
       "certificate": "string",
       "computeConfiguration": {
          "disk": number,
          "instanceType": "string",
          "machineType": "string",
          "memory": number,
          "vCpu": number
       },
       "computeType": "string",
       "dockerServer": {
          "computeType": "string",
          "securityGroupIds": [ "string" ],
```

```
            "status": {
               "message": "string",
               "status": "string"
            }
         },
         "environmentVariables": [
            {
               "name": "string",
               "type": "string",
               "value": "string"
            }
         ],
         "fleet": {
            "fleetArn": "string"
         },
         "hostKernel": "string",
         "image": "string",
         "imagePullCredentialsType": "string",
         "privilegedMode": boolean,
         "registryCredential": {
            "credential": "string",
            "credentialProvider": "string"
         },
         "type": "string"
      },
      "fileSystemLocations": [
         {
            "identifier": "string",
            "location": "string",
            "mountOptions": "string",
            "mountPoint": "string",
            "type": "string"
         }
      ],
      "id": "string",
      "initiator": "string",
      "logConfig": {
         "cloudWatchLogs": {
            "groupName": "string",
            "status": "string",
            "streamName": "string"
         },
         "s3Logs": {
            "bucketOwnerAccess": "string",
```

```
            "encryptionDisabled": boolean,
            "location": "string",
            "status": "string"
         }
      },
      "phases": [
         {
            "contexts": [
               {
                  "message": "string",
                  "statusCode": "string"
               }
            ],
            "durationInSeconds": number,
            "endTime": number,
            "phaseStatus": "string",
            "phaseType": "string",
            "startTime": number
         }
      ],
      "projectName": "string",
      "queuedTimeoutInMinutes": number,
      "reportArns": [ "string" ],
      "resolvedSourceVersion": "string",
      "secondaryArtifacts": [
         {
            "artifactIdentifier": "string",
            "bucketOwnerAccess": "string",
            "encryptionDisabled": boolean,
            "location": "string",
            "md5sum": "string",
            "overrideArtifactName": boolean,
            "sha256sum": "string"
         }
      ],
      "secondarySources": [
         {
            "auth": {
               "resource": "string",
               "type": "string"
            },
            "buildspec": "string",
            "buildStatusConfig": {
               "context": "string",
```

```
            "targetUrl": "string"
         },
         "gitCloneDepth": number,
         "gitSubmodulesConfig": {
            "fetchSubmodules": boolean
         },
         "insecureSsl": boolean,
         "location": "string",
         "reportBuildStatus": boolean,
         "sourceIdentifier": "string",
         "type": "string"
      }
   ],
   "secondarySourceVersions": [
      {
         "sourceIdentifier": "string",
         "sourceVersion": "string"
      }
   ],
   "serviceRole": "string",
   "source": {
      "auth": {
         "resource": "string",
         "type": "string"
      },
      "buildspec": "string",
      "buildStatusConfig": {
         "context": "string",
         "targetUrl": "string"
      },
      "gitCloneDepth": number,
      "gitSubmodulesConfig": {
         "fetchSubmodules": boolean
      },
      "insecureSsl": boolean,
      "location": "string",
      "reportBuildStatus": boolean,
      "sourceIdentifier": "string",
      "type": "string"
   },
   "sourceVersion": "string",
   "startTime": number,
   "vpcConfig": {
      "securityGroupIds": [ "string" ],
```

```
            "subnets": [ "string" ],
            "vpcId": "string"
         }
      }
   ],
   "buildBatchesNotFound": [ "string" ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

buildBatches

An array of `BuildBatch` objects that represent the retrieved batch builds.

Type: Array of BuildBatch objects

Array Members: Minimum number of 0 items. Maximum number of 100 items.

buildBatchesNotFound

An array that contains the identifiers of any batch builds that are not found.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Length Constraints: Minimum length of 1.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

BatchGetBuilds

Gets information about one or more builds.

Request Syntax

```
{
   "ids": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

ids

The IDs of the builds.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Length Constraints: Minimum length of 1.

Required: Yes

Response Syntax

```
{
   "builds": [
      {
         "arn": "string",
         "artifacts": {
            "artifactIdentifier": "string",
```

```
            "bucketOwnerAccess": "string",
            "encryptionDisabled": boolean,
            "location": "string",
            "md5sum": "string",
            "overrideArtifactName": boolean,
            "sha256sum": "string"
         },
         "autoRetryConfig": {
            "autoRetryLimit": number,
            "autoRetryNumber": number,
            "nextAutoRetry": "string",
            "previousAutoRetry": "string"
         },
         "buildBatchArn": "string",
         "buildComplete": boolean,
         "buildNumber": number,
         "buildStatus": "string",
         "cache": {
            "cacheNamespace": "string",
            "location": "string",
            "modes": [ "string" ],
            "type": "string"
         },
         "currentPhase": "string",
         "debugSession": {
            "sessionEnabled": boolean,
            "sessionTarget": "string"
         },
         "encryptionKey": "string",
         "endTime": number,
         "environment": {
            "certificate": "string",
            "computeConfiguration": {
               "disk": number,
               "instanceType": "string",
               "machineType": "string",
               "memory": number,
               "vCpu": number
            },
            "computeType": "string",
            "dockerServer": {
               "computeType": "string",
               "securityGroupIds": [ "string" ],
               "status": {
```

```
            "message": "string",
            "status": "string"
         }
      },
      "environmentVariables": [
         {
            "name": "string",
            "type": "string",
            "value": "string"
         }
      ],
      "fleet": {
         "fleetArn": "string"
      },
      "hostKernel": "string",
      "image": "string",
      "imagePullCredentialsType": "string",
      "privilegedMode": boolean,
      "registryCredential": {
         "credential": "string",
         "credentialProvider": "string"
      },
      "type": "string"
   },
   "exportedEnvironmentVariables": [
      {
         "name": "string",
         "value": "string"
      }
   ],
   "fileSystemLocations": [
      {
         "identifier": "string",
         "location": "string",
         "mountOptions": "string",
         "mountPoint": "string",
         "type": "string"
      }
   ],
   "id": "string",
   "initiator": "string",
   "logs": {
      "cloudWatchLogs": {
         "groupName": "string",
```

```
            "status": "string",
            "streamName": "string"
         },
         "cloudWatchLogsArn": "string",
         "deepLink": "string",
         "groupName": "string",
         "s3DeepLink": "string",
         "s3Logs": {
            "bucketOwnerAccess": "string",
            "encryptionDisabled": boolean,
            "location": "string",
            "status": "string"
         },
         "s3LogsArn": "string",
         "streamName": "string"
      },
      "networkInterface": {
         "networkInterfaceId": "string",
         "subnetId": "string"
      },
      "phases": [
         {
            "contexts": [
               {
                  "message": "string",
                  "statusCode": "string"
               }
            ],
            "durationInSeconds": number,
            "endTime": number,
            "phaseStatus": "string",
            "phaseType": "string",
            "startTime": number
         }
      ],
      "projectName": "string",
      "queuedTimeoutInMinutes": number,
      "reportArns": [ "string" ],
      "resolvedSourceVersion": "string",
      "secondaryArtifacts": [
         {
            "artifactIdentifier": "string",
            "bucketOwnerAccess": "string",
            "encryptionDisabled": boolean,
```

```
            "location": "string",
            "md5sum": "string",
            "overrideArtifactName": boolean,
            "sha256sum": "string"
         }
      ],
      "secondarySources": [
         {
            "auth": {
               "resource": "string",
               "type": "string"
            },
            "buildspec": "string",
            "buildStatusConfig": {
               "context": "string",
               "targetUrl": "string"
            },
            "gitCloneDepth": number,
            "gitSubmodulesConfig": {
               "fetchSubmodules": boolean
            },
            "insecureSsl": boolean,
            "location": "string",
            "reportBuildStatus": boolean,
            "sourceIdentifier": "string",
            "type": "string"
         }
      ],
      "secondarySourceVersions": [
         {
            "sourceIdentifier": "string",
            "sourceVersion": "string"
         }
      ],
      "serviceRole": "string",
      "source": {
         "auth": {
            "resource": "string",
            "type": "string"
         },
         "buildspec": "string",
         "buildStatusConfig": {
            "context": "string",
            "targetUrl": "string"
```

```
            },
            "gitCloneDepth": number,
            "gitSubmodulesConfig": {
               "fetchSubmodules": boolean
            },
            "insecureSsl": boolean,
            "location": "string",
            "reportBuildStatus": boolean,
            "sourceIdentifier": "string",
            "type": "string"
         },
         "sourceVersion": "string",
         "startTime": number,
         "timeoutInMinutes": number,
         "vpcConfig": {
            "securityGroupIds": [ "string" ],
            "subnets": [ "string" ],
            "vpcId": "string"
         }
      }
   ],
   "buildsNotFound": [ "string" ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

builds

Information about the requested builds.

Type: Array of Build objects

buildsNotFound

The IDs of builds for which information could not be found.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Length Constraints: Minimum length of 1.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

BatchGetCommandExecutions

Gets information about the command executions.

Request Syntax

```
{
   "commandExecutionIds": [ "string" ],
   "sandboxId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

commandExecutionIds

A comma separated list of `commandExecutionIds`.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Length Constraints: Minimum length of 1.

Required: Yes

sandboxId

A `sandboxId` or `sandboxArn`.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

Response Syntax

```
{
   "commandExecutions": [
      {
         "command": "string",
         "endTime": number,
         "exitCode": "string",
         "id": "string",
         "logs": {
            "cloudWatchLogs": {
               "groupName": "string",
               "status": "string",
               "streamName": "string"
            },
            "cloudWatchLogsArn": "string",
            "deepLink": "string",
            "groupName": "string",
            "s3DeepLink": "string",
            "s3Logs": {
               "bucketOwnerAccess": "string",
               "encryptionDisabled": boolean,
               "location": "string",
               "status": "string"
            },
            "s3LogsArn": "string",
            "streamName": "string"
         },
         "sandboxArn": "string",
         "sandboxId": "string",
         "standardErrContent": "string",
         "standardOutputContent": "string",
         "startTime": number,
         "status": "string",
         "submitTime": number,
         "type": "string"
      }
   ],
   "commandExecutionsNotFound": [ "string" ]
```

```
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

commandExecutions

Information about the requested command executions.

Type: Array of CommandExecution objects

commandExecutionsNotFound

The IDs of command executions for which information could not be found.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Length Constraints: Minimum length of 1.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4

- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

BatchGetFleets

Gets information about one or more compute fleets.

Request Syntax

```
{
   "names": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

names

The names or ARNs of the compute fleets.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Length Constraints: Minimum length of 1.

Required: Yes

Response Syntax

```
{
   "fleets": [
      {
         "arn": "string",
         "baseCapacity": number,
         "computeConfiguration": {
```

```
            "disk": number,
            "instanceType": "string",
            "machineType": "string",
            "memory": number,
            "vCpu": number
         },
         "computeType": "string",
         "created": number,
         "environmentType": "string",
         "fleetServiceRole": "string",
         "id": "string",
         "imageId": "string",
         "lastModified": number,
         "name": "string",
         "overflowBehavior": "string",
         "proxyConfiguration": {
            "defaultBehavior": "string",
            "orderedProxyRules": [
               {
                  "effect": "string",
                  "entities": [ "string" ],
                  "type": "string"
               }
            ]
         },
         "scalingConfiguration": {
            "desiredCapacity": number,
            "maxCapacity": number,
            "scalingType": "string",
            "targetTrackingScalingConfigs": [
               {
                  "metricType": "string",
                  "targetValue": number
               }
            ]
         },
         "status": {
            "context": "string",
            "message": "string",
            "statusCode": "string"
         },
         "tags": [
            {
               "key": "string",
```

```
            "value": "string"
         }
      ],
      "vpcConfig": {
         "securityGroupIds": [ "string" ],
         "subnets": [ "string" ],
         "vpcId": "string"
      }
   }
],
"fleetsNotFound": [ "string" ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

fleets

Information about the requested compute fleets.

Type: Array of Fleet objects

Array Members: Minimum number of 1 item. Maximum number of 100 items.

fleetsNotFound

The names of compute fleets for which information could not be found.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Length Constraints: Minimum length of 1.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

BatchGetProjects

Gets information about one or more build projects.

Request Syntax

```
{
   "names": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

names

The names or ARNs of the build projects. To get information about a project shared with your AWS account, its ARN must be specified. You cannot specify a shared project using its name.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Length Constraints: Minimum length of 1.

Required: Yes

Response Syntax

```
{
   "projects": [
      {
         "arn": "string",
         "artifacts": {
```

```
            "artifactIdentifier": "string",
            "bucketOwnerAccess": "string",
            "encryptionDisabled": boolean,
            "location": "string",
            "name": "string",
            "namespaceType": "string",
            "overrideArtifactName": boolean,
            "packaging": "string",
            "path": "string",
            "type": "string"
         },
         "autoRetryLimit": number,
         "badge": {
            "badgeEnabled": boolean,
            "badgeRequestUrl": "string"
         },
         "buildBatchConfig": {
            "batchReportMode": "string",
            "combineArtifacts": boolean,
            "restrictions": {
               "computeTypesAllowed": [ "string" ],
               "fleetsAllowed": [ "string" ],
               "maximumBuildsAllowed": number
            },
            "serviceRole": "string",
            "timeoutInMins": number
         },
         "cache": {
            "cacheNamespace": "string",
            "location": "string",
            "modes": [ "string" ],
            "type": "string"
         },
         "concurrentBuildLimit": number,
         "created": number,
         "description": "string",
         "encryptionKey": "string",
         "environment": {
            "certificate": "string",
            "computeConfiguration": {
               "disk": number,
               "instanceType": "string",
               "machineType": "string",
               "memory": number,
```

```
            "vCpu": number
         },
         "computeType": "string",
         "dockerServer": {
            "computeType": "string",
            "securityGroupIds": [ "string" ],
            "status": {
               "message": "string",
               "status": "string"
            }
         },
         "environmentVariables": [
            {
               "name": "string",
               "type": "string",
               "value": "string"
            }
         ],
         "fleet": {
            "fleetArn": "string"
         },
         "hostKernel": "string",
         "image": "string",
         "imagePullCredentialsType": "string",
         "privilegedMode": boolean,
         "registryCredential": {
            "credential": "string",
            "credentialProvider": "string"
         },
         "type": "string"
      },
      "fileSystemLocations": [
         {
            "identifier": "string",
            "location": "string",
            "mountOptions": "string",
            "mountPoint": "string",
            "type": "string"
         }
      ],
      "lastModified": number,
      "logsConfig": {
         "cloudWatchLogs": {
            "groupName": "string",
```

```
            "status": "string",
            "streamName": "string"
         },
         "s3Logs": {
            "bucketOwnerAccess": "string",
            "encryptionDisabled": boolean,
            "location": "string",
            "status": "string"
         }
      },
      "name": "string",
      "projectVisibility": "string",
      "publicProjectAlias": "string",
      "queuedTimeoutInMinutes": number,
      "resourceAccessRole": "string",
      "secondaryArtifacts": [
         {
            "artifactIdentifier": "string",
            "bucketOwnerAccess": "string",
            "encryptionDisabled": boolean,
            "location": "string",
            "name": "string",
            "namespaceType": "string",
            "overrideArtifactName": boolean,
            "packaging": "string",
            "path": "string",
            "type": "string"
         }
      ],
      "secondarySources": [
         {
            "auth": {
               "resource": "string",
               "type": "string"
            },
            "buildspec": "string",
            "buildStatusConfig": {
               "context": "string",
               "targetUrl": "string"
            },
            "gitCloneDepth": number,
            "gitSubmodulesConfig": {
               "fetchSubmodules": boolean
            },
```

```
            "insecureSsl": boolean,
            "location": "string",
            "reportBuildStatus": boolean,
            "sourceIdentifier": "string",
            "type": "string"
         }
      ],
      "secondarySourceVersions": [
         {
            "sourceIdentifier": "string",
            "sourceVersion": "string"
         }
      ],
      "serviceRole": "string",
      "source": {
         "auth": {
            "resource": "string",
            "type": "string"
         },
         "buildspec": "string",
         "buildStatusConfig": {
            "context": "string",
            "targetUrl": "string"
         },
         "gitCloneDepth": number,
         "gitSubmodulesConfig": {
            "fetchSubmodules": boolean
         },
         "insecureSsl": boolean,
         "location": "string",
         "reportBuildStatus": boolean,
         "sourceIdentifier": "string",
         "type": "string"
      },
      "sourceVersion": "string",
      "tags": [
         {
            "key": "string",
            "value": "string"
         }
      ],
      "timeoutInMinutes": number,
      "vpcConfig": {
         "securityGroupIds": [ "string" ],
```

```
            "subnets": [ "string" ],
            "vpcId": "string"
         },
         "webhook": {
            "branchFilter": "string",
            "buildType": "string",
            "filterGroups": [
               [
                  {
                     "excludeMatchedPattern": boolean,
                     "pattern": "string",
                     "type": "string"
                  }
               ]
            ],
            "lastModifiedSecret": number,
            "manualCreation": boolean,
            "payloadUrl": "string",
            "pullRequestBuildPolicy": {
               "approverRoles": [ "string" ],
               "requiresCommentApproval": "string"
            },
            "scopeConfiguration": {
               "domain": "string",
               "name": "string",
               "scope": "string"
            },
            "secret": "string",
            "status": "string",
            "statusMessage": "string",
            "url": "string"
         }
      }
   ],
   "projectsNotFound": [ "string" ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

projects

Information about the requested build projects.

Type: Array of Project objects

projectsNotFound

The names of build projects for which information could not be found.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Length Constraints: Minimum length of 1.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3

- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

BatchGetReportGroups

Returns an array of report groups.

Request Syntax

```
{
   "reportGroupArns": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

reportGroupArns

An array of report group ARNs that identify the report groups to return.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Length Constraints: Minimum length of 1.

Required: Yes

Response Syntax

```
{
   "reportGroups": [
      {
         "arn": "string",
         "created": number,
```

```
         "exportConfig": {
            "exportConfigType": "string",
            "s3Destination": {
               "bucket": "string",
               "bucketOwner": "string",
               "encryptionDisabled": boolean,
               "encryptionKey": "string",
               "packaging": "string",
               "path": "string"
            }
         },
         "lastModified": number,
         "name": "string",
         "status": "string",
         "tags": [
            {
               "key": "string",
               "value": "string"
            }
         ],
         "type": "string"
      }
   ],
   "reportGroupsNotFound": [ "string" ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

reportGroups

The array of report groups returned by `BatchGetReportGroups`.

Type: Array of ReportGroup objects

Array Members: Minimum number of 1 item. Maximum number of 100 items.

reportGroupsNotFound

An array of ARNs passed to `BatchGetReportGroups` that are not associated with a `ReportGroup`.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Length Constraints: Minimum length of 1.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

BatchGetReports

Returns an array of reports.

Request Syntax

```
{
   "reportArns": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

reportArns

An array of ARNs that identify the `Report` objects to return.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Length Constraints: Minimum length of 1.

Required: Yes

Response Syntax

```
{
   "reports": [
      {
         "arn": "string",
         "codeCoverageSummary": {
```

```
            "branchCoveragePercentage": number,
            "branchesCovered": number,
            "branchesMissed": number,
            "lineCoveragePercentage": number,
            "linesCovered": number,
            "linesMissed": number
         },
         "created": number,
         "executionId": "string",
         "expired": number,
         "exportConfig": {
            "exportConfigType": "string",
            "s3Destination": {
               "bucket": "string",
               "bucketOwner": "string",
               "encryptionDisabled": boolean,
               "encryptionKey": "string",
               "packaging": "string",
               "path": "string"
            }
         },
         "name": "string",
         "reportGroupArn": "string",
         "status": "string",
         "testSummary": {
            "durationInNanoSeconds": number,
            "statusCounts": {
               "string" : number
            },
            "total": number
         },
         "truncated": boolean,
         "type": "string"
      }
   ],
   "reportsNotFound": [ "string" ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

reports

The array of `Report` objects returned by `BatchGetReports`.

Type: Array of Report objects

Array Members: Minimum number of 1 item. Maximum number of 100 items.

reportsNotFound

An array of ARNs passed to `BatchGetReportGroups` that are not associated with a `Report`.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Length Constraints: Minimum length of 1.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin

- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

BatchGetSandboxes

Gets information about the sandbox status.

Request Syntax

```
{
   "ids": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

ids

A comma separated list of `sandboxIds` or `sandboxArns`.

Type: Array of strings

Length Constraints: Minimum length of 1.

Required: Yes

Response Syntax

```
{
   "sandboxes": [
      {
         "arn": "string",
         "currentSession": {
            "currentPhase": "string",
            "endTime": number,
            "id": "string",
```

```
            "logs": {
               "cloudWatchLogs": {
                  "groupName": "string",
                  "status": "string",
                  "streamName": "string"
               },
               "cloudWatchLogsArn": "string",
               "deepLink": "string",
               "groupName": "string",
               "s3DeepLink": "string",
               "s3Logs": {
                  "bucketOwnerAccess": "string",
                  "encryptionDisabled": boolean,
                  "location": "string",
                  "status": "string"
               },
               "s3LogsArn": "string",
               "streamName": "string"
            },
            "networkInterface": {
               "networkInterfaceId": "string",
               "subnetId": "string"
            },
            "phases": [
               {
                  "contexts": [
                     {
                        "message": "string",
                        "statusCode": "string"
                     }
                  ],
                  "durationInSeconds": number,
                  "endTime": number,
                  "phaseStatus": "string",
                  "phaseType": "string",
                  "startTime": number
               }
            ],
            "resolvedSourceVersion": "string",
            "startTime": number,
            "status": "string"
         },
         "encryptionKey": "string",
         "endTime": number,
```

```
      "environment": {
         "certificate": "string",
         "computeConfiguration": {
            "disk": number,
            "instanceType": "string",
            "machineType": "string",
            "memory": number,
            "vCpu": number
         },
         "computeType": "string",
         "dockerServer": {
            "computeType": "string",
            "securityGroupIds": [ "string" ],
            "status": {
               "message": "string",
               "status": "string"
            }
         },
         "environmentVariables": [
            {
               "name": "string",
               "type": "string",
               "value": "string"
            }
         ],
         "fleet": {
            "fleetArn": "string"
         },
         "hostKernel": "string",
         "image": "string",
         "imagePullCredentialsType": "string",
         "privilegedMode": boolean,
         "registryCredential": {
            "credential": "string",
            "credentialProvider": "string"
         },
         "type": "string"
      },
      "fileSystemLocations": [
         {
            "identifier": "string",
            "location": "string",
            "mountOptions": "string",
            "mountPoint": "string",
```

```
            "type": "string"
         }
      ],
      "id": "string",
      "logConfig": {
         "cloudWatchLogs": {
            "groupName": "string",
            "status": "string",
            "streamName": "string"
         },
         "s3Logs": {
            "bucketOwnerAccess": "string",
            "encryptionDisabled": boolean,
            "location": "string",
            "status": "string"
         }
      },
      "projectName": "string",
      "queuedTimeoutInMinutes": number,
      "requestTime": number,
      "secondarySources": [
         {
            "auth": {
               "resource": "string",
               "type": "string"
            },
            "buildspec": "string",
            "buildStatusConfig": {
               "context": "string",
               "targetUrl": "string"
            },
            "gitCloneDepth": number,
            "gitSubmodulesConfig": {
               "fetchSubmodules": boolean
            },
            "insecureSsl": boolean,
            "location": "string",
            "reportBuildStatus": boolean,
            "sourceIdentifier": "string",
            "type": "string"
         }
      ],
      "secondarySourceVersions": [
         {
```

```
                "sourceIdentifier": "string",
                "sourceVersion": "string"
            }
         ],
         "serviceRole": "string",
         "source": {
            "auth": {
               "resource": "string",
               "type": "string"
            },
            "buildspec": "string",
            "buildStatusConfig": {
               "context": "string",
               "targetUrl": "string"
            },
            "gitCloneDepth": number,
            "gitSubmodulesConfig": {
               "fetchSubmodules": boolean
            },
            "insecureSsl": boolean,
            "location": "string",
            "reportBuildStatus": boolean,
            "sourceIdentifier": "string",
            "type": "string"
         },
         "sourceVersion": "string",
         "startTime": number,
         "status": "string",
         "timeoutInMinutes": number,
         "vpcConfig": {
            "securityGroupIds": [ "string" ],
            "subnets": [ "string" ],
            "vpcId": "string"
         }
      }
   ],
   "sandboxesNotFound": [ "string" ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

sandboxes

Information about the requested sandboxes.

Type: Array of Sandbox objects

sandboxesNotFound

The IDs of sandboxes for which information could not be found.

Type: Array of strings

Length Constraints: Minimum length of 1.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3

- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateFleet

Creates a compute fleet.

Request Syntax

```
{
   "baseCapacity": number,
   "computeConfiguration": {
      "disk": number,
      "instanceType": "string",
      "machineType": "string",
      "memory": number,
      "vCpu": number
   },
   "computeType": "string",
   "environmentType": "string",
   "fleetServiceRole": "string",
   "imageId": "string",
   "name": "string",
   "overflowBehavior": "string",
   "proxyConfiguration": {
      "defaultBehavior": "string",
      "orderedProxyRules": [
         {
            "effect": "string",
            "entities": [ "string" ],
            "type": "string"
         }
      ]
   },
   "scalingConfiguration": {
      "maxCapacity": number,
      "scalingType": "string",
      "targetTrackingScalingConfigs": [
         {
            "metricType": "string",
            "targetValue": number
         }
      ]
   },
   "tags": [
      {
```

```
            "key": "string",
            "value": "string"
        }
    ],
    "vpcConfig": {
        "securityGroupIds": [ "string" ],
        "subnets": [ "string" ],
        "vpcId": "string"
    }
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

baseCapacity

The initial number of machines allocated to the fleet, which defines the number of builds that can run in parallel.

Type: Integer

Required: Yes

computeType

Information about the compute resources the compute fleet uses. Available values include:

- `ATTRIBUTE_BASED_COMPUTE`: Specify the amount of vCPUs, memory, disk space, and the type of machine.

  > **Note**
  >
  > If you use `ATTRIBUTE_BASED_COMPUTE`, you must define your attributes by using `computeConfiguration`. CodeBuild will select the cheapest instance that satisfies

your specified attributes. For more information, see Reserved capacity environment types in the *AWS CodeBuild User Guide*.

- `CUSTOM_INSTANCE_TYPE`: Specify the instance type for your compute fleet. For a list of supported instance types, see Supported instance families in the *AWS CodeBuild User Guide*.
- `BUILD_GENERAL1_SMALL`: Use up to 4 GiB memory and 2 vCPUs for builds.
- `BUILD_GENERAL1_MEDIUM`: Use up to 8 GiB memory and 4 vCPUs for builds.
- `BUILD_GENERAL1_LARGE`: Use up to 16 GiB memory and 8 vCPUs for builds, depending on your environment type.
- `BUILD_GENERAL1_XLARGE`: Use up to 72 GiB memory and 36 vCPUs for builds, depending on your environment type.
- `BUILD_GENERAL1_2XLARGE`: Use up to 144 GiB memory, 72 vCPUs, and 824 GB of SSD storage for builds. This compute type supports Docker images up to 100 GB uncompressed.
- `BUILD_LAMBDA_1GB`: Use up to 1 GiB memory for builds. Only available for environment type `LINUX_LAMBDA_CONTAINER` and `ARM_LAMBDA_CONTAINER`.
- `BUILD_LAMBDA_2GB`: Use up to 2 GiB memory for builds. Only available for environment type `LINUX_LAMBDA_CONTAINER` and `ARM_LAMBDA_CONTAINER`.
- `BUILD_LAMBDA_4GB`: Use up to 4 GiB memory for builds. Only available for environment type `LINUX_LAMBDA_CONTAINER` and `ARM_LAMBDA_CONTAINER`.
- `BUILD_LAMBDA_8GB`: Use up to 8 GiB memory for builds. Only available for environment type `LINUX_LAMBDA_CONTAINER` and `ARM_LAMBDA_CONTAINER`.
- `BUILD_LAMBDA_10GB`: Use up to 10 GiB memory for builds. Only available for environment type `LINUX_LAMBDA_CONTAINER` and `ARM_LAMBDA_CONTAINER`.

If you use `BUILD_GENERAL1_SMALL`:

- For environment type `LINUX_CONTAINER`, you can use up to 4 GiB memory and 2 vCPUs for builds.
- For environment type `LINUX_GPU_CONTAINER`, you can use up to 16 GiB memory, 4 vCPUs, and 1 NVIDIA A10G Tensor Core GPU for builds.
- For environment type `ARM_CONTAINER`, you can use up to 4 GiB memory and 2 vCPUs on ARM-based processors for builds.

If you use `BUILD_GENERAL1_LARGE`:

- For environment type `LINUX_CONTAINER`, you can use up to 16 GiB memory and 8 vCPUs for builds.
- For environment type `LINUX_GPU_CONTAINER`, you can use up to 255 GiB memory, 32 vCPUs, and 4 NVIDIA Tesla V100 GPUs for builds.
- For environment type `ARM_CONTAINER`, you can use up to 16 GiB memory and 8 vCPUs on ARM-based processors for builds.

For more information, see On-demand environment types in the *AWS CodeBuild User Guide.*

Type: String

Valid Values: `BUILD_GENERAL1_SMALL | BUILD_GENERAL1_MEDIUM | BUILD_GENERAL1_LARGE | BUILD_GENERAL1_XLARGE | BUILD_GENERAL1_2XLARGE | BUILD_LAMBDA_1GB | BUILD_LAMBDA_2GB | BUILD_LAMBDA_4GB | BUILD_LAMBDA_8GB | BUILD_LAMBDA_10GB | ATTRIBUTE_BASED_COMPUTE | CUSTOM_INSTANCE_TYPE`

Required: Yes

environmentType

The environment type of the compute fleet.

- The environment type `ARM_CONTAINER` is available only in regions US East (N. Virginia), US East (Ohio), US West (Oregon), EU (Ireland), Asia Pacific (Mumbai), Asia Pacific (Tokyo), Asia Pacific (Singapore), Asia Pacific (Sydney), EU (Frankfurt), and South America (São Paulo).
- The environment type `ARM_EC2` is available only in regions US East (N. Virginia), US East (Ohio), US West (Oregon), EU (Ireland), EU (Frankfurt), Asia Pacific (Tokyo), Asia Pacific (Singapore), Asia Pacific (Sydney), South America (São Paulo), and Asia Pacific (Mumbai).
- The environment type `LINUX_CONTAINER` is available only in regions US East (N. Virginia), US East (Ohio), US West (Oregon), EU (Ireland), EU (Frankfurt), Asia Pacific (Tokyo), Asia Pacific (Singapore), Asia Pacific (Sydney), South America (São Paulo), and Asia Pacific (Mumbai).
- The environment type `LINUX_EC2` is available only in regions US East (N. Virginia), US East (Ohio), US West (Oregon), EU (Ireland), EU (Frankfurt), Asia Pacific (Tokyo), Asia Pacific (Singapore), Asia Pacific (Sydney), South America (São Paulo), and Asia Pacific (Mumbai).
- The environment type `LINUX_GPU_CONTAINER` is available only in regions US East (N. Virginia), US East (Ohio), US West (Oregon), EU (Ireland), EU (Frankfurt), Asia Pacific (Tokyo), and Asia Pacific (Sydney).

- The environment type MAC_ARM is available for Medium fleets only in regions US East (N. Virginia), US East (Ohio), US West (Oregon), Asia Pacific (Sydney), and EU (Frankfurt)
- The environment type MAC_ARM is available for Large fleets only in regions US East (N. Virginia), US East (Ohio), US West (Oregon), and Asia Pacific (Sydney).
- The environment type WINDOWS_EC2 is available only in regions US East (N. Virginia), US East (Ohio), US West (Oregon), EU (Ireland), EU (Frankfurt), Asia Pacific (Tokyo), Asia Pacific (Singapore), Asia Pacific (Sydney), South America (São Paulo), and Asia Pacific (Mumbai).
- The environment type WINDOWS_SERVER_2019_CONTAINER is available only in regions US East (N. Virginia), US East (Ohio), US West (Oregon), Asia Pacific (Sydney), Asia Pacific (Tokyo), Asia Pacific (Mumbai) and EU (Ireland).
- The environment type WINDOWS_SERVER_2022_CONTAINER is available only in regions US East (N. Virginia), US East (Ohio), US West (Oregon), EU (Ireland), EU (Frankfurt), Asia Pacific (Sydney), Asia Pacific (Singapore), Asia Pacific (Tokyo), South America (São Paulo) and Asia Pacific (Mumbai).

For more information, see Build environment compute types in the *AWS CodeBuild user guide*.

Type: String

Valid Values: WINDOWS_CONTAINER | LINUX_CONTAINER | LINUX_GPU_CONTAINER | ARM_CONTAINER | WINDOWS_SERVER_2019_CONTAINER | WINDOWS_SERVER_2022_CONTAINER | LINUX_LAMBDA_CONTAINER | ARM_LAMBDA_CONTAINER | LINUX_EC2 | ARM_EC2 | WINDOWS_EC2 | MAC_ARM

Required: Yes

name

The name of the compute fleet.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 128.

Pattern: [A-Za-z0-9][A-Za-z0-9\-_]{1,127}

Required: Yes

computeConfiguration

The compute configuration of the compute fleet. This is only required if computeType is set to ATTRIBUTE_BASED_COMPUTE or CUSTOM_INSTANCE_TYPE.

Type: ComputeConfiguration object

Required: No

fleetServiceRole

The service role associated with the compute fleet. For more information, see Allow a user to add a permission policy for a fleet service role in the *AWS CodeBuild User Guide*.

Type: String

Length Constraints: Minimum length of 1.

Required: No

imageId

The Amazon Machine Image (AMI) of the compute fleet.

Type: String

Length Constraints: Minimum length of 1.

Required: No

overflowBehavior

The compute fleet overflow behavior.

- For overflow behavior `QUEUE`, your overflow builds need to wait on the existing fleet instance to become available.
- For overflow behavior `ON_DEMAND`, your overflow builds run on CodeBuild on-demand.

> **Note**
>
> If you choose to set your overflow behavior to on-demand while creating a VPC-connected fleet, make sure that you add the required VPC permissions to your project service role. For more information, see Example policy statement to allow CodeBuild access to AWS services required to create a VPC network interface.

Type: String

Valid Values: `QUEUE | ON_DEMAND`

Required: No

proxyConfiguration

The proxy configuration of the compute fleet.

Type: ProxyConfiguration object

Required: No

scalingConfiguration

The scaling configuration of the compute fleet.

Type: ScalingConfigurationInput object

Required: No

tags

A list of tag key and value pairs associated with this compute fleet.

These tags are available for use by AWS services that support AWS CodeBuild build project tags.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 50 items.

Required: No

vpcConfig

Information about the VPC configuration that AWS CodeBuild accesses.

Type: VpcConfig object

Required: No

Response Syntax

```
{
   "fleet": {
      "arn": "string",
      "baseCapacity": number,
      "computeConfiguration": {
         "disk": number,
         "instanceType": "string",
         "machineType": "string",
```

```
            "memory": number,
            "vCpu": number
         },
         "computeType": "string",
         "created": number,
         "environmentType": "string",
         "fleetServiceRole": "string",
         "id": "string",
         "imageId": "string",
         "lastModified": number,
         "name": "string",
         "overflowBehavior": "string",
         "proxyConfiguration": {
            "defaultBehavior": "string",
            "orderedProxyRules": [
               {
                  "effect": "string",
                  "entities": [ "string" ],
                  "type": "string"
               }
            ]
         },
         "scalingConfiguration": {
            "desiredCapacity": number,
            "maxCapacity": number,
            "scalingType": "string",
            "targetTrackingScalingConfigs": [
               {
                  "metricType": "string",
                  "targetValue": number
               }
            ]
         },
         "status": {
            "context": "string",
            "message": "string",
            "statusCode": "string"
         },
         "tags": [
            {
               "key": "string",
               "value": "string"
            }
         ],
```

```
      "vpcConfig": {
         "securityGroupIds": [ "string" ],
         "subnets": [ "string" ],
         "vpcId": "string"
      }
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

fleet

Information about the compute fleet

Type: Fleet object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccountLimitExceededException

An AWS service limit was exceeded for the calling AWS account.

HTTP Status Code: 400

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

ResourceAlreadyExistsException

The specified AWS resource cannot be created, because an AWS resource with the same settings already exists.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateProject

Creates a build project.

Request Syntax

```
{
   "artifacts": {
      "artifactIdentifier": "string",
      "bucketOwnerAccess": "string",
      "encryptionDisabled": boolean,
      "location": "string",
      "name": "string",
      "namespaceType": "string",
      "overrideArtifactName": boolean,
      "packaging": "string",
      "path": "string",
      "type": "string"
   },
   "autoRetryLimit": number,
   "badgeEnabled": boolean,
   "buildBatchConfig": {
      "batchReportMode": "string",
      "combineArtifacts": boolean,
      "restrictions": {
         "computeTypesAllowed": [ "string" ],
         "fleetsAllowed": [ "string" ],
         "maximumBuildsAllowed": number
      },
      "serviceRole": "string",
      "timeoutInMins": number
   },
   "cache": {
      "cacheNamespace": "string",
      "location": "string",
      "modes": [ "string" ],
      "type": "string"
   },
   "concurrentBuildLimit": number,
   "description": "string",
   "encryptionKey": "string",
   "environment": {
      "certificate": "string",
```

```
      "computeConfiguration": {
         "disk": number,
         "instanceType": "string",
         "machineType": "string",
         "memory": number,
         "vCpu": number
      },
      "computeType": "string",
      "dockerServer": {
         "computeType": "string",
         "securityGroupIds": [ "string" ],
         "status": {
            "message": "string",
            "status": "string"
         }
      },
      "environmentVariables": [
         {
            "name": "string",
            "type": "string",
            "value": "string"
         }
      ],
      "fleet": {
         "fleetArn": "string"
      },
      "hostKernel": "string",
      "image": "string",
      "imagePullCredentialsType": "string",
      "privilegedMode": boolean,
      "registryCredential": {
         "credential": "string",
         "credentialProvider": "string"
      },
      "type": "string"
   },
   "fileSystemLocations": [
      {
         "identifier": "string",
         "location": "string",
         "mountOptions": "string",
         "mountPoint": "string",
         "type": "string"
      }
```

```
    ],
    "logsConfig": {
       "cloudWatchLogs": {
          "groupName": "string",
          "status": "string",
          "streamName": "string"
       },
       "s3Logs": {
          "bucketOwnerAccess": "string",
          "encryptionDisabled": boolean,
          "location": "string",
          "status": "string"
       }
    },
    "name": "string",
    "queuedTimeoutInMinutes": number,
    "secondaryArtifacts": [
       {
          "artifactIdentifier": "string",
          "bucketOwnerAccess": "string",
          "encryptionDisabled": boolean,
          "location": "string",
          "name": "string",
          "namespaceType": "string",
          "overrideArtifactName": boolean,
          "packaging": "string",
          "path": "string",
          "type": "string"
       }
    ],
    "secondarySources": [
       {
          "auth": {
             "resource": "string",
             "type": "string"
          },
          "buildspec": "string",
          "buildStatusConfig": {
             "context": "string",
             "targetUrl": "string"
          },
          "gitCloneDepth": number,
          "gitSubmodulesConfig": {
             "fetchSubmodules": boolean
```

```
        },
        "insecureSsl": boolean,
        "location": "string",
        "reportBuildStatus": boolean,
        "sourceIdentifier": "string",
        "type": "string"
     }
  ],
  "secondarySourceVersions": [
     {
        "sourceIdentifier": "string",
        "sourceVersion": "string"
     }
  ],
  "serviceRole": "string",
  "source": {
     "auth": {
        "resource": "string",
        "type": "string"
     },
     "buildspec": "string",
     "buildStatusConfig": {
        "context": "string",
        "targetUrl": "string"
     },
     "gitCloneDepth": number,
     "gitSubmodulesConfig": {
        "fetchSubmodules": boolean
     },
     "insecureSsl": boolean,
     "location": "string",
     "reportBuildStatus": boolean,
     "sourceIdentifier": "string",
     "type": "string"
  },
  "sourceVersion": "string",
  "tags": [
     {
        "key": "string",
        "value": "string"
     }
  ],
  "timeoutInMinutes": number,
  "vpcConfig": {
```

```
        "securityGroupIds": [ "string" ],
        "subnets": [ "string" ],
        "vpcId": "string"
    }
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

artifacts

Information about the build output artifacts for the build project.

Type: ProjectArtifacts object

Required: Yes

environment

Information about the build environment for the build project.

Type: ProjectEnvironment object

Required: Yes

name

The name of the build project.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 150.

Pattern: `[A-Za-z0-9][A-Za-z0-9\-_]{1,149}`

Required: Yes

serviceRole

The ARN of the IAM role that enables AWS CodeBuild to interact with dependent AWS services on behalf of the AWS account.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

source

Information about the build input source code for the build project.

Type: ProjectSource object

Required: Yes

autoRetryLimit

The maximum number of additional automatic retries after a failed build. For example, if the auto-retry limit is set to 2, CodeBuild will call the `RetryBuild` API to automatically retry your build for up to 2 additional times.

Type: Integer

Required: No

badgeEnabled

Set this to true to generate a publicly accessible URL for your project's build badge.

Type: Boolean

Required: No

buildBatchConfig

A ProjectBuildBatchConfig object that defines the batch build options for the project.

Type: ProjectBuildBatchConfig object

Required: No

cache

Stores recently used information so that it can be quickly accessed at a later time.

Type: ProjectCache object

Required: No

concurrentBuildLimit

The maximum number of concurrent builds that are allowed for this project.

New builds are only started if the current number of builds is less than or equal to this limit. If the current build count meets this limit, new builds are throttled and are not run.

Type: Integer

Required: No

description

A description that makes the build project easy to identify.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

encryptionKey

The AWS Key Management Service customer master key (CMK) to be used for encrypting the build output artifacts.

> **Note**
>
> You can use a cross-account KMS key to encrypt the build output artifacts if your service role has permission to that key.

You can specify either the Amazon Resource Name (ARN) of the CMK or, if available, the CMK's alias (using the format `alias/<alias-name>`).

Type: String

Length Constraints: Minimum length of 1.

Required: No

fileSystemLocations

An array of `ProjectFileSystemLocation` objects for a CodeBuild build project. A `ProjectFileSystemLocation` object specifies the `identifier`, `location`, `mountOptions`, `mountPoint`, and `type` of a file system created using Amazon Elastic File System.

Type: Array of ProjectFileSystemLocation objects

Required: No

logsConfig

Information about logs for the build project. These can be logs in CloudWatch Logs, logs uploaded to a specified S3 bucket, or both.

Type: LogsConfig object

Required: No

queuedTimeoutInMinutes

The number of minutes a build is allowed to be queued before it times out.

Type: Integer

Valid Range: Minimum value of 5. Maximum value of 480.

Required: No

secondaryArtifacts

An array of `ProjectArtifacts` objects.

Type: Array of ProjectArtifacts objects

Array Members: Minimum number of 0 items. Maximum number of 12 items.

Required: No

secondarySources

An array of `ProjectSource` objects.

Type: Array of ProjectSource objects

Array Members: Minimum number of 0 items. Maximum number of 12 items.

Required: No

secondarySourceVersions

An array of `ProjectSourceVersion` objects. If `secondarySourceVersions` is specified at the build level, then they take precedence over these `secondarySourceVersions` (at the project level).

Type: Array of ProjectSourceVersion objects

Array Members: Minimum number of 0 items. Maximum number of 12 items.

Required: No

sourceVersion

A version of the build input to be built for this project. If not specified, the latest version is used. If specified, it must be one of:

- For CodeCommit: the commit ID, branch, or Git tag to use.
- For GitHub: the commit ID, pull request ID, branch name, or tag name that corresponds to the version of the source code you want to build. If a pull request ID is specified, it must use the format `pr/pull-request-ID` (for example `pr/25`). If a branch name is specified, the branch's HEAD commit ID is used. If not specified, the default branch's HEAD commit ID is used.
- For GitLab: the commit ID, branch, or Git tag to use.
- For Bitbucket: the commit ID, branch name, or tag name that corresponds to the version of the source code you want to build. If a branch name is specified, the branch's HEAD commit ID is used. If not specified, the default branch's HEAD commit ID is used.
- For Amazon S3: the version ID of the object that represents the build input ZIP file to use.

If `sourceVersion` is specified at the build level, then that version takes precedence over this `sourceVersion` (at the project level).

For more information, see Source Version Sample with CodeBuild in the *AWS CodeBuild User Guide*.

Type: String

Required: No

tags

A list of tag key and value pairs associated with this build project.

These tags are available for use by AWS services that support AWS CodeBuild build project tags.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 50 items.

Required: No

timeoutInMinutes

How long, in minutes, from 5 to 2160 (36 hours), for AWS CodeBuild to wait before it times out any build that has not been marked as completed. The default is 60 minutes.

Type: Integer

Valid Range: Minimum value of 5. Maximum value of 2160.

Required: No

vpcConfig

VpcConfig enables AWS CodeBuild to access resources in an Amazon VPC.

> **Note**
>
> If you're using compute fleets during project creation, do not provide vpcConfig.

Type: VpcConfig object

Required: No

Response Syntax

```
{
   "project": {
      "arn": "string",
      "artifacts": {
         "artifactIdentifier": "string",
         "bucketOwnerAccess": "string",
         "encryptionDisabled": boolean,
         "location": "string",
         "name": "string",
         "namespaceType": "string",
         "overrideArtifactName": boolean,
         "packaging": "string",
         "path": "string",
         "type": "string"
      },
      "autoRetryLimit": number,
      "badge": {
         "badgeEnabled": boolean,
         "badgeRequestUrl": "string"
      },
      "buildBatchConfig": {
         "batchReportMode": "string",
         "combineArtifacts": boolean,
         "restrictions": {
            "computeTypesAllowed": [ "string" ],
            "fleetsAllowed": [ "string" ],
            "maximumBuildsAllowed": number
         },
         "serviceRole": "string",
         "timeoutInMins": number
      },
      "cache": {
         "cacheNamespace": "string",
         "location": "string",
         "modes": [ "string" ],
         "type": "string"
      },
      "concurrentBuildLimit": number,
      "created": number,
      "description": "string",
      "encryptionKey": "string",
```

```
      "environment": {
         "certificate": "string",
         "computeConfiguration": {
            "disk": number,
            "instanceType": "string",
            "machineType": "string",
            "memory": number,
            "vCpu": number
         },
         "computeType": "string",
         "dockerServer": {
            "computeType": "string",
            "securityGroupIds": [ "string" ],
            "status": {
               "message": "string",
               "status": "string"
            }
         },
         "environmentVariables": [
            {
               "name": "string",
               "type": "string",
               "value": "string"
            }
         ],
         "fleet": {
            "fleetArn": "string"
         },
         "hostKernel": "string",
         "image": "string",
         "imagePullCredentialsType": "string",
         "privilegedMode": boolean,
         "registryCredential": {
            "credential": "string",
            "credentialProvider": "string"
         },
         "type": "string"
      },
      "fileSystemLocations": [
         {
            "identifier": "string",
            "location": "string",
            "mountOptions": "string",
            "mountPoint": "string",
```

```
            "type": "string"
         }
      ],
      "lastModified": number,
      "logsConfig": {
         "cloudWatchLogs": {
            "groupName": "string",
            "status": "string",
            "streamName": "string"
         },
         "s3Logs": {
            "bucketOwnerAccess": "string",
            "encryptionDisabled": boolean,
            "location": "string",
            "status": "string"
         }
      },
      "name": "string",
      "projectVisibility": "string",
      "publicProjectAlias": "string",
      "queuedTimeoutInMinutes": number,
      "resourceAccessRole": "string",
      "secondaryArtifacts": [
         {
            "artifactIdentifier": "string",
            "bucketOwnerAccess": "string",
            "encryptionDisabled": boolean,
            "location": "string",
            "name": "string",
            "namespaceType": "string",
            "overrideArtifactName": boolean,
            "packaging": "string",
            "path": "string",
            "type": "string"
         }
      ],
      "secondarySources": [
         {
            "auth": {
               "resource": "string",
               "type": "string"
            },
            "buildspec": "string",
            "buildStatusConfig": {
```

```
            "context": "string",
            "targetUrl": "string"
         },
         "gitCloneDepth": number,
         "gitSubmodulesConfig": {
            "fetchSubmodules": boolean
         },
         "insecureSsl": boolean,
         "location": "string",
         "reportBuildStatus": boolean,
         "sourceIdentifier": "string",
         "type": "string"
      }
   ],
   "secondarySourceVersions": [
      {
         "sourceIdentifier": "string",
         "sourceVersion": "string"
      }
   ],
   "serviceRole": "string",
   "source": {
      "auth": {
         "resource": "string",
         "type": "string"
      },
      "buildspec": "string",
      "buildStatusConfig": {
         "context": "string",
         "targetUrl": "string"
      },
      "gitCloneDepth": number,
      "gitSubmodulesConfig": {
         "fetchSubmodules": boolean
      },
      "insecureSsl": boolean,
      "location": "string",
      "reportBuildStatus": boolean,
      "sourceIdentifier": "string",
      "type": "string"
   },
   "sourceVersion": "string",
   "tags": [
      {
```

```
            "key": "string",
            "value": "string"
         }
      ],
      "timeoutInMinutes": number,
      "vpcConfig": {
         "securityGroupIds": [ "string" ],
         "subnets": [ "string" ],
         "vpcId": "string"
      },
      "webhook": {
         "branchFilter": "string",
         "buildType": "string",
         "filterGroups": [
            [
               {
                  "excludeMatchedPattern": boolean,
                  "pattern": "string",
                  "type": "string"
               }
            ]
         ],
         "lastModifiedSecret": number,
         "manualCreation": boolean,
         "payloadUrl": "string",
         "pullRequestBuildPolicy": {
            "approverRoles": [ "string" ],
            "requiresCommentApproval": "string"
         },
         "scopeConfiguration": {
            "domain": "string",
            "name": "string",
            "scope": "string"
         },
         "secret": "string",
         "status": "string",
         "statusMessage": "string",
         "url": "string"
      }
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

project

Information about the build project that was created.

Type: Project object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccountLimitExceededException

An AWS service limit was exceeded for the calling AWS account.

HTTP Status Code: 400

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

ResourceAlreadyExistsException

The specified AWS resource cannot be created, because an AWS resource with the same settings already exists.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4

- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateReportGroup

Creates a report group. A report group contains a collection of reports.

Request Syntax

```
{
   "exportConfig": {
      "exportConfigType": "string",
      "s3Destination": {
         "bucket": "string",
         "bucketOwner": "string",
         "encryptionDisabled": boolean,
         "encryptionKey": "string",
         "packaging": "string",
         "path": "string"
      }
   },
   "name": "string",
   "tags": [
      {
         "key": "string",
         "value": "string"
      }
   ],
   "type": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

exportConfig

A `ReportExportConfig` object that contains information about where the report group test results are exported.

Type: ReportExportConfig object

Required: Yes

name

The name of the report group.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 128.

Required: Yes

type

The type of report group.

Type: String

Valid Values: `TEST | CODE_COVERAGE`

Required: Yes

tags

A list of tag key and value pairs associated with this report group.

These tags are available for use by AWS services that support AWS CodeBuild report group tags.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 50 items.

Required: No

Response Syntax

```
{
```

```
   "reportGroup": {
      "arn": "string",
      "created": number,
      "exportConfig": {
         "exportConfigType": "string",
         "s3Destination": {
            "bucket": "string",
            "bucketOwner": "string",
            "encryptionDisabled": boolean,
            "encryptionKey": "string",
            "packaging": "string",
            "path": "string"
         }
      },
      "lastModified": number,
      "name": "string",
      "status": "string",
      "tags": [
         {
            "key": "string",
            "value": "string"
         }
      ],
      "type": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

reportGroup

Information about the report group that was created.

Type: ReportGroup object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccountLimitExceededException

An AWS service limit was exceeded for the calling AWS account.

HTTP Status Code: 400

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

ResourceAlreadyExistsException

The specified AWS resource cannot be created, because an AWS resource with the same settings already exists.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateWebhook

For an existing AWS CodeBuild build project that has its source code stored in a GitHub or Bitbucket repository, enables AWS CodeBuild to start rebuilding the source code every time a code change is pushed to the repository.

> **Important**
>
> If you enable webhooks for an AWS CodeBuild project, and the project is used as a build step in CodePipeline, then two identical builds are created for each commit. One build is triggered through webhooks, and one through CodePipeline. Because billing is on a per-build basis, you are billed for both builds. Therefore, if you are using CodePipeline, we recommend that you disable webhooks in AWS CodeBuild. In the AWS CodeBuild console, clear the Webhook box. For more information, see step 5 in Change a Build Project's Settings.

Request Syntax

```
{
   "branchFilter": "string",
   "buildType": "string",
   "filterGroups": [
      [
         {
            "excludeMatchedPattern": boolean,
            "pattern": "string",
            "type": "string"
         }
      ]
   ],
   "manualCreation": boolean,
   "projectName": "string",
   "pullRequestBuildPolicy": {
      "approverRoles": [ "string" ],
      "requiresCommentApproval": "string"
   },
   "scopeConfiguration": {
      "domain": "string",
      "name": "string",
```

```
        "scope": "string"
    }
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

projectName

The name of the AWS CodeBuild project.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 150.

Pattern: `[A-Za-z0-9][A-Za-z0-9\-_]{1,149}`

Required: Yes

branchFilter

A regular expression used to determine which repository branches are built when a webhook is triggered. If the name of a branch matches the regular expression, then it is built. If `branchFilter` is empty, then all branches are built.

> **Note**
>
> It is recommended that you use `filterGroups` instead of `branchFilter`.

Type: String

Required: No

buildType

Specifies the type of build this webhook will trigger.

> **Note**
>
> `RUNNER_BUILDKITE_BUILD` is only available for `NO_SOURCE` source type projects configured for Buildkite runner builds. For more information about CodeBuild-hosted Buildkite runner builds, see Tutorial: Configure a CodeBuild-hosted Buildkite runner in the *AWS CodeBuild user guide*.

Type: String

Valid Values: `BUILD | BUILD_BATCH | RUNNER_BUILDKITE_BUILD`

Required: No

filterGroups

An array of arrays of `WebhookFilter` objects used to determine which webhooks are triggered. At least one `WebhookFilter` in the array must specify `EVENT` as its `type`.

For a build to be triggered, at least one filter group in the `filterGroups` array must pass. For a filter group to pass, each of its filters must pass.

Type: Array of arrays of WebhookFilter objects

Required: No

manualCreation

If manualCreation is true, CodeBuild doesn't create a webhook in GitHub and instead returns `payloadUrl` and `secret` values for the webhook. The `payloadUrl` and `secret` values in the output can be used to manually create a webhook within GitHub.

> **Note**
>
> `manualCreation` is only available for GitHub webhooks.

Type: Boolean

Required: No

pullRequestBuildPolicy

A PullRequestBuildPolicy object that defines comment-based approval requirements for triggering builds on pull requests. This policy helps control when automated builds are executed based on contributor permissions and approval workflows.

Type: PullRequestBuildPolicy object

Required: No

scopeConfiguration

The scope configuration for global or organization webhooks.

> **Note**
>
> Global or organization webhooks are only available for GitHub and Github Enterprise webhooks.

Type: ScopeConfiguration object

Required: No

Response Syntax

```
{
   "webhook": {
      "branchFilter": "string",
      "buildType": "string",
      "filterGroups": [
         [
            {
               "excludeMatchedPattern": boolean,
               "pattern": "string",
               "type": "string"
            }
         ]
      ],
      "lastModifiedSecret": number,
      "manualCreation": boolean,
```

```
      "payloadUrl": "string",
      "pullRequestBuildPolicy": {
         "approverRoles": [ "string" ],
         "requiresCommentApproval": "string"
      },
      "scopeConfiguration": {
         "domain": "string",
         "name": "string",
         "scope": "string"
      },
      "secret": "string",
      "status": "string",
      "statusMessage": "string",
      "url": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

webhook

Information about a webhook that connects repository events to a build project in AWS CodeBuild.

Type: Webhook object

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

OAuthProviderException

There was a problem with the underlying OAuth provider.

HTTP Status Code: 400

ResourceAlreadyExistsException

The specified AWS resource cannot be created, because an AWS resource with the same settings already exists.

HTTP Status Code: 400

ResourceNotFoundException

The specified AWS resource cannot be found.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteBuildBatch

Deletes a batch build.

Request Syntax

```
{
   "id": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

id

The identifier of the batch build to delete.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

Response Syntax

```
{
   "buildsDeleted": [ "string" ],
   "buildsNotDeleted": [
      {
         "id": "string",
         "statusCode": "string"
```

```
      }
   ],
   "statusCode": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

buildsDeleted

An array of strings that contain the identifiers of the builds that were deleted.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Length Constraints: Minimum length of 1.

buildsNotDeleted

An array of `BuildNotDeleted` objects that specify the builds that could not be deleted.

Type: Array of BuildNotDeleted objects

statusCode

The status code.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteFleet

Deletes a compute fleet. When you delete a compute fleet, its builds are not deleted.

Request Syntax

```
{
   "arn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

arn

The ARN of the compute fleet.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteProject

Deletes a build project. When you delete a project, its builds are not deleted.

Request Syntax

```
{
   "name": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

name

The name of the build project.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteReport

Deletes a report.

Request Syntax

```
{
   "arn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
> In the following list, the required parameters are described first.

arn

The ARN of the report to delete.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteReportGroup

Deletes a report group. Before you delete a report group, you must delete its reports.

Request Syntax

```
{
   "arn": "string",
   "deleteReports": boolean
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

arn

The ARN of the report group to delete.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

deleteReports

If `true`, deletes any reports that belong to a report group before deleting the report group.

If `false`, you must delete any reports in the report group. Use ListReportsForReportGroup to get the reports in a report group. Use DeleteReport to delete the reports. If you call `DeleteReportGroup` for a report group that contains one or more reports, an exception is thrown.

Type: Boolean

Required: No

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteResourcePolicy

Deletes a resource policy that is identified by its resource ARN.

Request Syntax

```
{
   "resourceArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

resourceArn

The ARN of the resource that is associated with the resource policy.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteSourceCredentials

Deletes a set of GitHub, GitHub Enterprise, or Bitbucket source credentials.

Request Syntax

```
{
   "arn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

arn

The Amazon Resource Name (ARN) of the token.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

Response Syntax

```
{
   "arn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

arn

The Amazon Resource Name (ARN) of the token.

Type: String

Length Constraints: Minimum length of 1.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified AWS resource cannot be found.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3

- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteWebhook

For an existing AWS CodeBuild build project that has its source code stored in a GitHub or Bitbucket repository, stops AWS CodeBuild from rebuilding the source code every time a code change is pushed to the repository.

Request Syntax

```
{
   "projectName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

projectName

The name of the AWS CodeBuild project.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 150.

Pattern: `[A-Za-z0-9][A-Za-z0-9\-_]{1,149}`

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

OAuthProviderException

There was a problem with the underlying OAuth provider.

HTTP Status Code: 400

ResourceNotFoundException

The specified AWS resource cannot be found.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeCodeCoverages

Retrieves one or more code coverage reports.

Request Syntax

```
{
   "maxLineCoveragePercentage": number,
   "maxResults": number,
   "minLineCoveragePercentage": number,
   "nextToken": "string",
   "reportArn": "string",
   "sortBy": "string",
   "sortOrder": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

reportArn

The ARN of the report for which test cases are returned.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

maxLineCoveragePercentage

The maximum line coverage percentage to report.

Type: Double

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

maxResults

The maximum number of results to return.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

minLineCoveragePercentage

The minimum line coverage percentage to report.

Type: Double

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

nextToken

The `nextToken` value returned from a previous call to `DescribeCodeCoverages`. This specifies the next item to return. To return the beginning of the list, exclude this parameter.

Type: String

Required: No

sortBy

Specifies how the results are sorted. Possible values are:

FILE_PATH

The results are sorted by file path.

LINE_COVERAGE_PERCENTAGE

The results are sorted by the percentage of lines that are covered.

Type: String

Valid Values: `LINE_COVERAGE_PERCENTAGE | FILE_PATH`

Required: No

sortOrder

Specifies if the results are sorted in ascending or descending order.

Type: String

Valid Values: `ASCENDING | DESCENDING`

Required: No

Response Syntax

```
{
   "codeCoverages": [
      {
         "branchCoveragePercentage": number,
         "branchesCovered": number,
         "branchesMissed": number,
         "expired": number,
         "filePath": "string",
         "id": "string",
         "lineCoveragePercentage": number,
         "linesCovered": number,
         "linesMissed": number,
         "reportARN": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

codeCoverages

An array of `CodeCoverage` objects that contain the results.

Type: Array of CodeCoverage objects

nextToken

If there are more items to return, this contains a token that is passed to a subsequent call to `DescribeCodeCoverages` to retrieve the next set of items.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeTestCases

Returns a list of details about test cases for a report.

Request Syntax

```
{
   "filter": {
      "keyword": "string",
      "status": "string"
   },
   "maxResults": number,
   "nextToken": "string",
   "reportArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

reportArn

The ARN of the report for which test cases are returned.

Type: String

Required: Yes

filter

A `TestCaseFilter` object used to filter the returned reports.

Type: TestCaseFilter object

Required: No

maxResults

The maximum number of paginated test cases returned per response. Use `nextToken` to iterate pages in the list of returned `TestCase` objects. The default value is 100.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

nextToken

During a previous call, the maximum number of items that can be returned is the value specified in `maxResults`. If there more items in the list, then a unique string called a *nextToken* is returned. To get the next batch of items in the list, call this operation again, adding the next token to the call. To get all of the items in the list, keep calling this operation with each subsequent next token that is returned, until no more next tokens are returned.

Type: String

Required: No

Response Syntax

```
{
   "nextToken": "string",
   "testCases": [
      {
         "durationInNanoSeconds": number,
         "expired": number,
         "message": "string",
         "name": "string",
         "prefix": "string",
         "reportArn": "string",
         "status": "string",
         "testRawDataPath": "string",
         "testSuiteName": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

During a previous call, the maximum number of items that can be returned is the value specified in `maxResults`. If there more items in the list, then a unique string called a *nextToken* is returned. To get the next batch of items in the list, call this operation again, adding the next token to the call. To get all of the items in the list, keep calling this operation with each subsequent next token that is returned, until no more next tokens are returned.

Type: String

testCases

The returned list of test cases.

Type: Array of TestCase objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified AWS resource cannot be found.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetReportGroupTrend

Analyzes and accumulates test report values for the specified test reports.

Request Syntax

```
{
   "numOfReports": number,
   "reportGroupArn": "string",
   "trendField": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

reportGroupArn

The ARN of the report group that contains the reports to analyze.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

trendField

The test report value to accumulate. This must be one of the following values:

Test reports:

DURATION

Accumulate the test run times for the specified reports.

PASS_RATE

Accumulate the percentage of tests that passed for the specified test reports.

TOTAL

Accumulate the total number of tests for the specified test reports.

Code coverage reports:

BRANCH_COVERAGE

Accumulate the branch coverage percentages for the specified test reports.

BRANCHES_COVERED

Accumulate the branches covered values for the specified test reports.

BRANCHES_MISSED

Accumulate the branches missed values for the specified test reports.

LINE_COVERAGE

Accumulate the line coverage percentages for the specified test reports.

LINES_COVERED

Accumulate the lines covered values for the specified test reports.

LINES_MISSED

Accumulate the lines not covered values for the specified test reports.

Type: String

Valid Values: `PASS_RATE | DURATION | TOTAL | LINE_COVERAGE | LINES_COVERED | LINES_MISSED | BRANCH_COVERAGE | BRANCHES_COVERED | BRANCHES_MISSED`

Required: Yes

numOfReports

The number of reports to analyze. This operation always retrieves the most recent reports.

If this parameter is omitted, the most recent 100 reports are analyzed.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

Response Syntax

```
{
   "rawData": [
      {
         "data": "string",
         "reportArn": "string"
      }
   ],
   "stats": {
      "average": "string",
      "max": "string",
      "min": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

rawData

An array that contains the raw data for each report.

Type: Array of ReportWithRawData objects

stats

Contains the accumulated trend data.

Type: ReportGroupTrendStats object

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified AWS resource cannot be found.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetResourcePolicy

Gets a resource policy that is identified by its resource ARN.

Request Syntax

```
{
   "resourceArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

resourceArn

The ARN of the resource that is associated with the resource policy.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

Response Syntax

```
{
   "policy": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

policy

The resource policy for the resource identified by the input ARN parameter.

Type: String

Length Constraints: Minimum length of 1.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified AWS resource cannot be found.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3

- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ImportSourceCredentials

Imports the source repository credentials for an AWS CodeBuild project that has its source code stored in a GitHub, GitHub Enterprise, GitLab, GitLab Self Managed, or Bitbucket repository.

Request Syntax

```
{
   "authType": "string",
   "serverType": "string",
   "shouldOverwrite": boolean,
   "token": "string",
   "username": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

authType

The type of authentication used to connect to a GitHub, GitHub Enterprise, GitLab, GitLab Self Managed, or Bitbucket repository. An OAUTH connection is not supported by the API and must be created using the AWS CodeBuild console.

Type: String

Valid Values: `OAUTH | BASIC_AUTH | PERSONAL_ACCESS_TOKEN | CODECONNECTIONS | SECRETS_MANAGER`

Required: Yes

serverType

The source provider used for this project.

Type: String

Valid Values: `GITHUB | BITBUCKET | GITHUB_ENTERPRISE | GITLAB | GITLAB_SELF_MANAGED`

Required: Yes

token

For GitHub or GitHub Enterprise, this is the personal access token. For Bitbucket, this is either the access token or the app password. For the `authType` CODECONNECTIONS, this is the `connectionArn`. For the `authType` SECRETS_MANAGER, this is the `secretArn`.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

shouldOverwrite

Set to `false` to prevent overwriting the repository source credentials. Set to `true` to overwrite the repository source credentials. The default value is `true`.

Type: Boolean

Required: No

username

The Bitbucket username when the `authType` is BASIC_AUTH. This parameter is not valid for other types of source providers or connections.

Type: String

Length Constraints: Minimum length of 1.

Required: No

Response Syntax

```
{
   "arn": "string"
```

```
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

arn

The Amazon Resource Name (ARN) of the token.

Type: String

Length Constraints: Minimum length of 1.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccountLimitExceededException

An AWS service limit was exceeded for the calling AWS account.

HTTP Status Code: 400

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

ResourceAlreadyExistsException

The specified AWS resource cannot be created, because an AWS resource with the same settings already exists.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

InvalidateProjectCache

Resets the cache for a project.

Request Syntax

```
{
   "projectName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

projectName

The name of the AWS CodeBuild build project that the cache is reset for.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified AWS resource cannot be found.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListBuildBatches

Retrieves the identifiers of your build batches in the current region.

Request Syntax

```
{
   "filter": {
      "status": "string"
   },
   "maxResults": number,
   "nextToken": "string",
   "sortOrder": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

filter

A `BuildBatchFilter` object that specifies the filters for the search.

Type: BuildBatchFilter object

Required: No

maxResults

The maximum number of results to return.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

nextToken

The `nextToken` value returned from a previous call to `ListBuildBatches`. This specifies the next item to return. To return the beginning of the list, exclude this parameter.

Type: String

Required: No

sortOrder

Specifies the sort order of the returned items. Valid values include:

- `ASCENDING`: List the batch build identifiers in ascending order by identifier.
- `DESCENDING`: List the batch build identifiers in descending order by identifier.

Type: String

Valid Values: `ASCENDING | DESCENDING`

Required: No

Response Syntax

```
{
   "ids": [ "string" ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ids

An array of strings that contains the batch build identifiers.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Length Constraints: Minimum length of 1.

nextToken

If there are more items to return, this contains a token that is passed to a subsequent call to `ListBuildBatches` to retrieve the next set of items.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListBuildBatchesForProject

Retrieves the identifiers of the build batches for a specific project.

Request Syntax

```
{
   "filter": {
      "status": "string"
   },
   "maxResults": number,
   "nextToken": "string",
   "projectName": "string",
   "sortOrder": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

filter

A `BuildBatchFilter` object that specifies the filters for the search.

Type: BuildBatchFilter object

Required: No

maxResults

The maximum number of results to return.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

nextToken

The `nextToken` value returned from a previous call to `ListBuildBatchesForProject`. This specifies the next item to return. To return the beginning of the list, exclude this parameter.

Type: String

Required: No

projectName

The name of the project.

Type: String

Length Constraints: Minimum length of 1.

Required: No

sortOrder

Specifies the sort order of the returned items. Valid values include:

- `ASCENDING`: List the batch build identifiers in ascending order by identifier.
- `DESCENDING`: List the batch build identifiers in descending order by identifier.

Type: String

Valid Values: `ASCENDING | DESCENDING`

Required: No

Response Syntax

```
{
   "ids": [ "string" ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ids

An array of strings that contains the batch build identifiers.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Length Constraints: Minimum length of 1.

nextToken

If there are more items to return, this contains a token that is passed to a subsequent call to `ListBuildBatchesForProject` to retrieve the next set of items.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified AWS resource cannot be found.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4

- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListBuilds

Gets a list of build IDs, with each build ID representing a single build.

Request Syntax

```
{
   "nextToken": "string",
   "sortOrder": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

nextToken

During a previous call, if there are more than 100 items in the list, only the first 100 items are returned, along with a unique string called a *nextToken*. To get the next batch of items in the list, call this operation again, adding the next token to the call. To get all of the items in the list, keep calling this operation with each subsequent next token that is returned, until no more next tokens are returned.

Type: String

Required: No

sortOrder

The order to list build IDs. Valid values include:

- `ASCENDING`: List the build IDs in ascending order by build ID.
- `DESCENDING`: List the build IDs in descending order by build ID.

Type: String

Valid Values: `ASCENDING | DESCENDING`

Required: No

Response Syntax

```
{
   "ids": [ "string" ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ids

A list of build IDs, with each build ID representing a single build.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Length Constraints: Minimum length of 1.

nextToken

If there are more than 100 items in the list, only the first 100 items are returned, along with a unique string called a *nextToken*. To get the next batch of items in the list, call this operation again, adding the next token to the call.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListBuildsForProject

Gets a list of build identifiers for the specified build project, with each build identifier representing a single build.

Request Syntax

```
{
   "nextToken": "string",
   "projectName": "string",
   "sortOrder": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

projectName

The name of the AWS CodeBuild project.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

nextToken

During a previous call, if there are more than 100 items in the list, only the first 100 items are returned, along with a unique string called a *nextToken*. To get the next batch of items in the list, call this operation again, adding the next token to the call. To get all of the items in the list, keep calling this operation with each subsequent next token that is returned, until no more next tokens are returned.

Type: String

Required: No

sortOrder

The order to sort the results in. The results are sorted by build number, not the build identifier. If this is not specified, the results are sorted in descending order.

Valid values include:

- `ASCENDING`: List the build identifiers in ascending order, by build number.
- `DESCENDING`: List the build identifiers in descending order, by build number.

If the project has more than 100 builds, setting the sort order will result in an error.

Type: String

Valid Values: `ASCENDING | DESCENDING`

Required: No

Response Syntax

```
{
   "ids": [ "string" ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ids

A list of build identifiers for the specified build project, with each build ID representing a single build.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Length Constraints: Minimum length of 1.

nextToken

If there are more than 100 items in the list, only the first 100 items are returned, along with a unique string called a *nextToken*. To get the next batch of items in the list, call this operation again, adding the next token to the call.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified AWS resource cannot be found.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin

- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListCommandExecutionsForSandbox

Gets a list of command executions for a sandbox.

Request Syntax

```
{
   "maxResults": number,
   "nextToken": "string",
   "sandboxId": "string",
   "sortOrder": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

sandboxId

A `sandboxId` or `sandboxArn`.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

maxResults

The maximum number of sandbox records to be retrieved.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

nextToken

The next token, if any, to get paginated results. You will get this value from previous execution of list sandboxes.

Type: String

Required: No

sortOrder

The order in which sandbox records should be retrieved.

Type: String

Valid Values: `ASCENDING | DESCENDING`

Required: No

Response Syntax

```
{
   "commandExecutions": [
      {
         "command": "string",
         "endTime": number,
         "exitCode": "string",
         "id": "string",
         "logs": {
            "cloudWatchLogs": {
               "groupName": "string",
               "status": "string",
               "streamName": "string"
            },
            "cloudWatchLogsArn": "string",
            "deepLink": "string",
            "groupName": "string",
            "s3DeepLink": "string",
            "s3Logs": {
               "bucketOwnerAccess": "string",
               "encryptionDisabled": boolean,
               "location": "string",
```

```
                "status": "string"
            },
            "s3LogsArn": "string",
            "streamName": "string"
        },
        "sandboxArn": "string",
        "sandboxId": "string",
        "standardErrContent": "string",
        "standardOutputContent": "string",
        "startTime": number,
        "status": "string",
        "submitTime": number,
        "type": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

commandExecutions

Information about the requested command executions.

Type: Array of CommandExecution objects

nextToken

Information about the next token to get paginated results.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified AWS resource cannot be found.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListCuratedEnvironmentImages

Gets information about Docker images that are managed by AWS CodeBuild.

Response Syntax

```
{
   "platforms": [
      {
         "languages": [
            {
               "images": [
                  {
                     "description": "string",
                     "name": "string",
                     "versions": [ "string" ]
                  }
               ],
               "language": "string"
            }
         ],
         "platform": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

platforms

Information about supported platforms for Docker images that are managed by AWS CodeBuild.

Type: Array of EnvironmentPlatform objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListFleets

Gets a list of compute fleet names with each compute fleet name representing a single compute fleet.

Request Syntax

```
{
   "maxResults": number,
   "nextToken": "string",
   "sortBy": "string",
   "sortOrder": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

maxResults

The maximum number of paginated compute fleets returned per response. Use `nextToken` to iterate pages in the list of returned compute fleets.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

nextToken

During a previous call, if there are more than 100 items in the list, only the first 100 items are returned, along with a unique string called a *nextToken*. To get the next batch of items in the list, call this operation again, adding the next token to the call. To get all of the items in the list,

keep calling this operation with each subsequent next token that is returned, until no more next tokens are returned.

Type: String

Required: No

sortBy

The criterion to be used to list compute fleet names. Valid values include:

- `CREATED_TIME`: List based on when each compute fleet was created.
- `LAST_MODIFIED_TIME`: List based on when information about each compute fleet was last changed.
- `NAME`: List based on each compute fleet's name.

Use `sortOrder` to specify in what order to list the compute fleet names based on the preceding criteria.

Type: String

Valid Values: `NAME | CREATED_TIME | LAST_MODIFIED_TIME`

Required: No

sortOrder

The order in which to list compute fleets. Valid values include:

- `ASCENDING`: List in ascending order.
- `DESCENDING`: List in descending order.

Use `sortBy` to specify the criterion to be used to list compute fleet names.

Type: String

Valid Values: `ASCENDING | DESCENDING`

Required: No

Response Syntax

```
{
```

```
    "fleets": [ "string" ],
    "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

fleets

The list of compute fleet names.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Length Constraints: Minimum length of 1.

nextToken

If there are more than 100 items in the list, only the first 100 items are returned, along with a unique string called a *nextToken*. To get the next batch of items in the list, call this operation again, adding the next token to the call.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListProjects

Gets a list of build project names, with each build project name representing a single build project.

Request Syntax

```
{
   "nextToken": "string",
   "sortBy": "string",
   "sortOrder": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

nextToken

During a previous call, if there are more than 100 items in the list, only the first 100 items are returned, along with a unique string called a *nextToken*. To get the next batch of items in the list, call this operation again, adding the next token to the call. To get all of the items in the list, keep calling this operation with each subsequent next token that is returned, until no more next tokens are returned.

Type: String

Length Constraints: Minimum length of 1.

Required: No

sortBy

The criterion to be used to list build project names. Valid values include:

- CREATED_TIME: List based on when each build project was created.
- LAST_MODIFIED_TIME: List based on when information about each build project was last changed.
- NAME: List based on each build project's name.

Use sortOrder to specify in what order to list the build project names based on the preceding criteria.

Type: String

Valid Values: NAME | CREATED_TIME | LAST_MODIFIED_TIME

Required: No

sortOrder

The order in which to list build projects. Valid values include:

- ASCENDING: List in ascending order.
- DESCENDING: List in descending order.

Use sortBy to specify the criterion to be used to list build project names.

Type: String

Valid Values: ASCENDING | DESCENDING

Required: No

Response Syntax

```
{
   "nextToken": "string",
   "projects": [ "string" ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

If there are more than 100 items in the list, only the first 100 items are returned, along with a unique string called a *nextToken*. To get the next batch of items in the list, call this operation again, adding the next token to the call.

Type: String

projects

The list of build project names, with each build project name representing a single build project.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Length Constraints: Minimum length of 1.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListReportGroups

Gets a list ARNs for the report groups in the current AWS account.

Request Syntax

```
{
   "maxResults": number,
   "nextToken": "string",
   "sortBy": "string",
   "sortOrder": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

maxResults

The maximum number of paginated report groups returned per response. Use `nextToken` to iterate pages in the list of returned `ReportGroup` objects. The default value is 100.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

nextToken

During a previous call, the maximum number of items that can be returned is the value specified in `maxResults`. If there more items in the list, then a unique string called a *nextToken* is returned. To get the next batch of items in the list, call this operation again, adding the

next token to the call. To get all of the items in the list, keep calling this operation with each subsequent next token that is returned, until no more next tokens are returned.

Type: String

Required: No

sortBy

The criterion to be used to list build report groups. Valid values include:

- `CREATED_TIME`: List based on when each report group was created.
- `LAST_MODIFIED_TIME`: List based on when each report group was last changed.
- `NAME`: List based on each report group's name.

Type: String

Valid Values: `NAME | CREATED_TIME | LAST_MODIFIED_TIME`

Required: No

sortOrder

Used to specify the order to sort the list of returned report groups. Valid values are `ASCENDING` and `DESCENDING`.

Type: String

Valid Values: `ASCENDING | DESCENDING`

Required: No

Response Syntax

```
{
   "nextToken": "string",
   "reportGroups": [ "string" ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

During a previous call, the maximum number of items that can be returned is the value specified in `maxResults`. If there more items in the list, then a unique string called a *nextToken* is returned. To get the next batch of items in the list, call this operation again, adding the next token to the call. To get all of the items in the list, keep calling this operation with each subsequent next token that is returned, until no more next tokens are returned.

Type: String

reportGroups

The list of ARNs for the report groups in the current AWS account.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Length Constraints: Minimum length of 1.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListReports

Returns a list of ARNs for the reports in the current AWS account.

Request Syntax

```
{
   "filter": {
      "status": "string"
   },
   "maxResults": number,
   "nextToken": "string",
   "sortOrder": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

filter

A `ReportFilter` object used to filter the returned reports.

Type: ReportFilter object

Required: No

maxResults

The maximum number of paginated reports returned per response. Use `nextToken` to iterate pages in the list of returned `Report` objects. The default value is 100.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

nextToken

During a previous call, the maximum number of items that can be returned is the value specified in `maxResults`. If there more items in the list, then a unique string called a *nextToken* is returned. To get the next batch of items in the list, call this operation again, adding the next token to the call. To get all of the items in the list, keep calling this operation with each subsequent next token that is returned, until no more next tokens are returned.

Type: String

Required: No

sortOrder

Specifies the sort order for the list of returned reports. Valid values are:

- `ASCENDING`: return reports in chronological order based on their creation date.
- `DESCENDING`: return reports in the reverse chronological order based on their creation date.

Type: String

Valid Values: `ASCENDING | DESCENDING`

Required: No

Response Syntax

```
{
   "nextToken": "string",
   "reports": [ "string" ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

During a previous call, the maximum number of items that can be returned is the value specified in `maxResults`. If there more items in the list, then a unique string called a *nextToken* is returned. To get the next batch of items in the list, call this operation again, adding the next token to the call. To get all of the items in the list, keep calling this operation with each subsequent next token that is returned, until no more next tokens are returned.

Type: String

reports

The list of returned ARNs for the reports in the current AWS account.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Length Constraints: Minimum length of 1.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2

- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListReportsForReportGroup

Returns a list of ARNs for the reports that belong to a `ReportGroup`.

Request Syntax

```
{
   "filter": {
      "status": "string"
   },
   "maxResults": number,
   "nextToken": "string",
   "reportGroupArn": "string",
   "sortOrder": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

reportGroupArn

The ARN of the report group for which you want to return report ARNs.

Type: String

Required: Yes

filter

A `ReportFilter` object used to filter the returned reports.

Type: ReportFilter object

Required: No

maxResults

The maximum number of paginated reports in this report group returned per response. Use `nextToken` to iterate pages in the list of returned `Report` objects. The default value is 100.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

nextToken

During a previous call, the maximum number of items that can be returned is the value specified in `maxResults`. If there more items in the list, then a unique string called a *nextToken* is returned. To get the next batch of items in the list, call this operation again, adding the next token to the call. To get all of the items in the list, keep calling this operation with each subsequent next token that is returned, until no more next tokens are returned.

Type: String

Required: No

sortOrder

Use to specify whether the results are returned in ascending or descending order.

Type: String

Valid Values: `ASCENDING | DESCENDING`

Required: No

Response Syntax

```
{
   "nextToken": "string",
   "reports": [ "string" ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

During a previous call, the maximum number of items that can be returned is the value specified in `maxResults`. If there more items in the list, then a unique string called a *nextToken* is returned. To get the next batch of items in the list, call this operation again, adding the next token to the call. To get all of the items in the list, keep calling this operation with each subsequent next token that is returned, until no more next tokens are returned.

Type: String

reports

The list of report ARNs.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Length Constraints: Minimum length of 1.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified AWS resource cannot be found.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListSandboxes

Gets a list of sandboxes.

Request Syntax

```
{
   "maxResults": number,
   "nextToken": "string",
   "sortOrder": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

maxResults

The maximum number of sandbox records to be retrieved.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

nextToken

The next token, if any, to get paginated results. You will get this value from previous execution of list sandboxes.

Type: String

Required: No

sortOrder

The order in which sandbox records should be retrieved.

Type: String

Valid Values: `ASCENDING | DESCENDING`

Required: No

Response Syntax

```
{
   "ids": [ "string" ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ids

Information about the requested sandbox IDs.

Type: Array of strings

Length Constraints: Minimum length of 1.

nextToken

Information about the next token to get paginated results.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListSandboxesForProject

Gets a list of sandboxes for a given project.

Request Syntax

```
{
   "maxResults": number,
   "nextToken": "string",
   "projectName": "string",
   "sortOrder": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

projectName

The AWS CodeBuild project name.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

maxResults

The maximum number of sandbox records to be retrieved.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

nextToken

The next token, if any, to get paginated results. You will get this value from previous execution of list sandboxes.

Type: String

Required: No

sortOrder

The order in which sandbox records should be retrieved.

Type: String

Valid Values: `ASCENDING | DESCENDING`

Required: No

Response Syntax

```
{
   "ids": [ "string" ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ids

Information about the requested sandbox IDs.

Type: Array of strings

Length Constraints: Minimum length of 1.

nextToken

Information about the next token to get paginated results.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified AWS resource cannot be found.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListSharedProjects

Gets a list of projects that are shared with other AWS accounts or users.

Request Syntax

```
{
   "maxResults": number,
   "nextToken": "string",
   "sortBy": "string",
   "sortOrder": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

maxResults

The maximum number of paginated shared build projects returned per response. Use `nextToken` to iterate pages in the list of returned `Project` objects. The default value is 100.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

nextToken

During a previous call, the maximum number of items that can be returned is the value specified in `maxResults`. If there more items in the list, then a unique string called a *nextToken* is returned. To get the next batch of items in the list, call this operation again, adding the

next token to the call. To get all of the items in the list, keep calling this operation with each subsequent next token that is returned, until no more next tokens are returned.

Type: String

Length Constraints: Minimum length of 1.

Required: No

sortBy

The criterion to be used to list build projects shared with the current AWS account or user. Valid values include:

- `ARN`: List based on the ARN.
- `MODIFIED_TIME`: List based on when information about the shared project was last changed.

Type: String

Valid Values: `ARN | MODIFIED_TIME`

Required: No

sortOrder

The order in which to list shared build projects. Valid values include:

- `ASCENDING`: List in ascending order.
- `DESCENDING`: List in descending order.

Type: String

Valid Values: `ASCENDING | DESCENDING`

Required: No

Response Syntax

```
{
   "nextToken": "string",
   "projects": [ "string" ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

During a previous call, the maximum number of items that can be returned is the value specified in `maxResults`. If there more items in the list, then a unique string called a *nextToken* is returned. To get the next batch of items in the list, call this operation again, adding the next token to the call. To get all of the items in the list, keep calling this operation with each subsequent next token that is returned, until no more next tokens are returned.

Type: String

projects

The list of ARNs for the build projects shared with the current AWS account or user.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Length Constraints: Minimum length of 1.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListSharedReportGroups

Gets a list of report groups that are shared with other AWS accounts or users.

Request Syntax

```
{
   "maxResults": number,
   "nextToken": "string",
   "sortBy": "string",
   "sortOrder": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

maxResults

The maximum number of paginated shared report groups per response. Use `nextToken` to iterate pages in the list of returned `ReportGroup` objects. The default value is 100.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

nextToken

During a previous call, the maximum number of items that can be returned is the value specified in `maxResults`. If there more items in the list, then a unique string called a *nextToken* is returned. To get the next batch of items in the list, call this operation again, adding the

next token to the call. To get all of the items in the list, keep calling this operation with each subsequent next token that is returned, until no more next tokens are returned.

Type: String

Required: No

sortBy

The criterion to be used to list report groups shared with the current AWS account or user. Valid values include:

- ARN: List based on the ARN.
- MODIFIED_TIME: List based on when information about the shared report group was last changed.

Type: String

Valid Values: ARN | MODIFIED_TIME

Required: No

sortOrder

The order in which to list shared report groups. Valid values include:

- ASCENDING: List in ascending order.
- DESCENDING: List in descending order.

Type: String

Valid Values: ASCENDING | DESCENDING

Required: No

Response Syntax

```
{
   "nextToken": "string",
   "reportGroups": [ "string" ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

During a previous call, the maximum number of items that can be returned is the value specified in `maxResults`. If there more items in the list, then a unique string called a *nextToken* is returned. To get the next batch of items in the list, call this operation again, adding the next token to the call. To get all of the items in the list, keep calling this operation with each subsequent next token that is returned, until no more next tokens are returned.

Type: String

reportGroups

The list of ARNs for the report groups shared with the current AWS account or user.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Length Constraints: Minimum length of 1.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListSourceCredentials

Returns a list of `SourceCredentialsInfo` objects.

Response Syntax

```
{
   "sourceCredentialsInfos": [
      {
         "arn": "string",
         "authType": "string",
         "resource": "string",
         "serverType": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

sourceCredentialsInfos

A list of `SourceCredentialsInfo` objects. Each `SourceCredentialsInfo` object includes the authentication type, token ARN, and type of source provider for one set of credentials.

Type: Array of SourceCredentialsInfo objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

PutResourcePolicy

Stores a resource policy for the ARN of a `Project` or `ReportGroup` object.

Request Syntax

```
{
   "policy": "string",
   "resourceArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

policy

A JSON-formatted resource policy. For more information, see Sharing a Project and Sharing a Report Group in the *AWS CodeBuild User Guide*.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

resourceArn

The ARN of the `Project` or `ReportGroup` resource you want to associate with a resource policy.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

Response Syntax

```
{
   "resourceArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

resourceArn

The ARN of the `Project` or `ReportGroup` resource that is associated with a resource policy.

Type: String

Length Constraints: Minimum length of 1.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified AWS resource cannot be found.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

RetryBuild

Restarts a build.

Request Syntax

```
{
   "id": "string",
   "idempotencyToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

id

Specifies the identifier of the build to restart.

Type: String

Length Constraints: Minimum length of 1.

Required: No

idempotencyToken

A unique, case sensitive identifier you provide to ensure the idempotency of the `RetryBuild` request. The token is included in the `RetryBuild` request and is valid for five minutes. If you repeat the `RetryBuild` request with the same token, but change a parameter, AWS CodeBuild returns a parameter mismatch error.

Type: String

Required: No

Response Syntax

```
{
   "build": {
      "arn": "string",
      "artifacts": {
         "artifactIdentifier": "string",
         "bucketOwnerAccess": "string",
         "encryptionDisabled": boolean,
         "location": "string",
         "md5sum": "string",
         "overrideArtifactName": boolean,
         "sha256sum": "string"
      },
      "autoRetryConfig": {
         "autoRetryLimit": number,
         "autoRetryNumber": number,
         "nextAutoRetry": "string",
         "previousAutoRetry": "string"
      },
      "buildBatchArn": "string",
      "buildComplete": boolean,
      "buildNumber": number,
      "buildStatus": "string",
      "cache": {
         "cacheNamespace": "string",
         "location": "string",
         "modes": [ "string" ],
         "type": "string"
      },
      "currentPhase": "string",
      "debugSession": {
         "sessionEnabled": boolean,
         "sessionTarget": "string"
      },
      "encryptionKey": "string",
      "endTime": number,
      "environment": {
         "certificate": "string",
         "computeConfiguration": {
            "disk": number,
            "instanceType": "string",
            "machineType": "string",
```

```
            "memory": number,
            "vCpu": number
         },
         "computeType": "string",
         "dockerServer": {
            "computeType": "string",
            "securityGroupIds": [ "string" ],
            "status": {
               "message": "string",
               "status": "string"
            }
         },
         "environmentVariables": [
            {
               "name": "string",
               "type": "string",
               "value": "string"
            }
         ],
         "fleet": {
            "fleetArn": "string"
         },
         "hostKernel": "string",
         "image": "string",
         "imagePullCredentialsType": "string",
         "privilegedMode": boolean,
         "registryCredential": {
            "credential": "string",
            "credentialProvider": "string"
         },
         "type": "string"
      },
      "exportedEnvironmentVariables": [
         {
            "name": "string",
            "value": "string"
         }
      ],
      "fileSystemLocations": [
         {
            "identifier": "string",
            "location": "string",
            "mountOptions": "string",
            "mountPoint": "string",
```

```
            "type": "string"
         }
      ],
      "id": "string",
      "initiator": "string",
      "logs": {
         "cloudWatchLogs": {
            "groupName": "string",
            "status": "string",
            "streamName": "string"
         },
         "cloudWatchLogsArn": "string",
         "deepLink": "string",
         "groupName": "string",
         "s3DeepLink": "string",
         "s3Logs": {
            "bucketOwnerAccess": "string",
            "encryptionDisabled": boolean,
            "location": "string",
            "status": "string"
         },
         "s3LogsArn": "string",
         "streamName": "string"
      },
      "networkInterface": {
         "networkInterfaceId": "string",
         "subnetId": "string"
      },
      "phases": [
         {
            "contexts": [
               {
                  "message": "string",
                  "statusCode": "string"
               }
            ],
            "durationInSeconds": number,
            "endTime": number,
            "phaseStatus": "string",
            "phaseType": "string",
            "startTime": number
         }
      ],
      "projectName": "string",
```

```
      "queuedTimeoutInMinutes": number,
      "reportArns": [ "string" ],
      "resolvedSourceVersion": "string",
      "secondaryArtifacts": [
         {
            "artifactIdentifier": "string",
            "bucketOwnerAccess": "string",
            "encryptionDisabled": boolean,
            "location": "string",
            "md5sum": "string",
            "overrideArtifactName": boolean,
            "sha256sum": "string"
         }
      ],
      "secondarySources": [
         {
            "auth": {
               "resource": "string",
               "type": "string"
            },
            "buildspec": "string",
            "buildStatusConfig": {
               "context": "string",
               "targetUrl": "string"
            },
            "gitCloneDepth": number,
            "gitSubmodulesConfig": {
               "fetchSubmodules": boolean
            },
            "insecureSsl": boolean,
            "location": "string",
            "reportBuildStatus": boolean,
            "sourceIdentifier": "string",
            "type": "string"
         }
      ],
      "secondarySourceVersions": [
         {
            "sourceIdentifier": "string",
            "sourceVersion": "string"
         }
      ],
      "serviceRole": "string",
      "source": {
```

```
         "auth": {
            "resource": "string",
            "type": "string"
         },
         "buildspec": "string",
         "buildStatusConfig": {
            "context": "string",
            "targetUrl": "string"
         },
         "gitCloneDepth": number,
         "gitSubmodulesConfig": {
            "fetchSubmodules": boolean
         },
         "insecureSsl": boolean,
         "location": "string",
         "reportBuildStatus": boolean,
         "sourceIdentifier": "string",
         "type": "string"
      },
      "sourceVersion": "string",
      "startTime": number,
      "timeoutInMinutes": number,
      "vpcConfig": {
         "securityGroupIds": [ "string" ],
         "subnets": [ "string" ],
         "vpcId": "string"
      }
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

build

Information about a build.

Type: Build object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccountLimitExceededException

An AWS service limit was exceeded for the calling AWS account.

HTTP Status Code: 400

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified AWS resource cannot be found.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

RetryBuildBatch

Restarts a failed batch build. Only batch builds that have failed can be retried.

Request Syntax

```
{
   "id": "string",
   "idempotencyToken": "string",
   "retryType": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

id

Specifies the identifier of the batch build to restart.

Type: String

Length Constraints: Minimum length of 1.

Required: No

idempotencyToken

A unique, case sensitive identifier you provide to ensure the idempotency of the `RetryBuildBatch` request. The token is included in the `RetryBuildBatch` request and is valid for five minutes. If you repeat the `RetryBuildBatch` request with the same token, but change a parameter, AWS CodeBuild returns a parameter mismatch error.

Type: String

Required: No

retryType

Specifies the type of retry to perform.

Type: String

Valid Values: `RETRY_ALL_BUILDS | RETRY_FAILED_BUILDS`

Required: No

Response Syntax

```
{
   "buildBatch": {
      "arn": "string",
      "artifacts": {
         "artifactIdentifier": "string",
         "bucketOwnerAccess": "string",
         "encryptionDisabled": boolean,
         "location": "string",
         "md5sum": "string",
         "overrideArtifactName": boolean,
         "sha256sum": "string"
      },
      "buildBatchConfig": {
         "batchReportMode": "string",
         "combineArtifacts": boolean,
         "restrictions": {
            "computeTypesAllowed": [ "string" ],
            "fleetsAllowed": [ "string" ],
            "maximumBuildsAllowed": number
         },
         "serviceRole": "string",
         "timeoutInMins": number
      },
      "buildBatchNumber": number,
      "buildBatchStatus": "string",
      "buildGroups": [
         {
            "currentBuildSummary": {
               "arn": "string",
               "buildStatus": "string",
               "primaryArtifact": {
```

```
                "identifier": "string",
                "location": "string",
                "type": "string"
             },
             "requestedOn": number,
             "secondaryArtifacts": [
                {
                   "identifier": "string",
                   "location": "string",
                   "type": "string"
                }
             ]
          },
          "dependsOn": [ "string" ],
          "identifier": "string",
          "ignoreFailure": boolean,
          "priorBuildSummaryList": [
             {
                "arn": "string",
                "buildStatus": "string",
                "primaryArtifact": {
                   "identifier": "string",
                   "location": "string",
                   "type": "string"
                },
                "requestedOn": number,
                "secondaryArtifacts": [
                   {
                      "identifier": "string",
                      "location": "string",
                      "type": "string"
                   }
                ]
             }
          ]
       }
    ],
    "buildTimeoutInMinutes": number,
    "cache": {
       "cacheNamespace": "string",
       "location": "string",
       "modes": [ "string" ],
       "type": "string"
    },
```

```
      "complete": boolean,
      "currentPhase": "string",
      "debugSessionEnabled": boolean,
      "encryptionKey": "string",
      "endTime": number,
      "environment": {
         "certificate": "string",
         "computeConfiguration": {
            "disk": number,
            "instanceType": "string",
            "machineType": "string",
            "memory": number,
            "vCpu": number
         },
         "computeType": "string",
         "dockerServer": {
            "computeType": "string",
            "securityGroupIds": [ "string" ],
            "status": {
               "message": "string",
               "status": "string"
            }
         },
         "environmentVariables": [
            {
               "name": "string",
               "type": "string",
               "value": "string"
            }
         ],
         "fleet": {
            "fleetArn": "string"
         },
         "hostKernel": "string",
         "image": "string",
         "imagePullCredentialsType": "string",
         "privilegedMode": boolean,
         "registryCredential": {
            "credential": "string",
            "credentialProvider": "string"
         },
         "type": "string"
      },
      "fileSystemLocations": [
```

```
            {
               "identifier": "string",
               "location": "string",
               "mountOptions": "string",
               "mountPoint": "string",
               "type": "string"
            }
         ],
         "id": "string",
         "initiator": "string",
         "logConfig": {
            "cloudWatchLogs": {
               "groupName": "string",
               "status": "string",
               "streamName": "string"
            },
            "s3Logs": {
               "bucketOwnerAccess": "string",
               "encryptionDisabled": boolean,
               "location": "string",
               "status": "string"
            }
         },
         "phases": [
            {
               "contexts": [
                  {
                     "message": "string",
                     "statusCode": "string"
                  }
               ],
               "durationInSeconds": number,
               "endTime": number,
               "phaseStatus": "string",
               "phaseType": "string",
               "startTime": number
            }
         ],
         "projectName": "string",
         "queuedTimeoutInMinutes": number,
         "reportArns": [ "string" ],
         "resolvedSourceVersion": "string",
         "secondaryArtifacts": [
            {
```

```
            "artifactIdentifier": "string",
            "bucketOwnerAccess": "string",
            "encryptionDisabled": boolean,
            "location": "string",
            "md5sum": "string",
            "overrideArtifactName": boolean,
            "sha256sum": "string"
         }
      ],
      "secondarySources": [
         {
            "auth": {
               "resource": "string",
               "type": "string"
            },
            "buildspec": "string",
            "buildStatusConfig": {
               "context": "string",
               "targetUrl": "string"
            },
            "gitCloneDepth": number,
            "gitSubmodulesConfig": {
               "fetchSubmodules": boolean
            },
            "insecureSsl": boolean,
            "location": "string",
            "reportBuildStatus": boolean,
            "sourceIdentifier": "string",
            "type": "string"
         }
      ],
      "secondarySourceVersions": [
         {
            "sourceIdentifier": "string",
            "sourceVersion": "string"
         }
      ],
      "serviceRole": "string",
      "source": {
         "auth": {
            "resource": "string",
            "type": "string"
         },
         "buildspec": "string",
```

```
         "buildStatusConfig": {
            "context": "string",
            "targetUrl": "string"
         },
         "gitCloneDepth": number,
         "gitSubmodulesConfig": {
            "fetchSubmodules": boolean
         },
         "insecureSsl": boolean,
         "location": "string",
         "reportBuildStatus": boolean,
         "sourceIdentifier": "string",
         "type": "string"
      },
      "sourceVersion": "string",
      "startTime": number,
      "vpcConfig": {
         "securityGroupIds": [ "string" ],
         "subnets": [ "string" ],
         "vpcId": "string"
      }
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

buildBatch

Contains information about a batch build.

Type: BuildBatch object

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified AWS resource cannot be found.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

StartBuild

Starts running a build with the settings defined in the project. These setting include: how to run a build, where to get the source code, which build environment to use, which build commands to run, and where to store the build output.

You can also start a build run by overriding some of the build settings in the project. The overrides only apply for that specific start build request. The settings in the project are unaltered.

Request Syntax

```
{
   "artifactsOverride": {
      "artifactIdentifier": "string",
      "bucketOwnerAccess": "string",
      "encryptionDisabled": boolean,
      "location": "string",
      "name": "string",
      "namespaceType": "string",
      "overrideArtifactName": boolean,
      "packaging": "string",
      "path": "string",
      "type": "string"
   },
   "autoRetryLimitOverride": number,
   "buildspecOverride": "string",
   "buildStatusConfigOverride": {
      "context": "string",
      "targetUrl": "string"
   },
   "cacheOverride": {
      "cacheNamespace": "string",
      "location": "string",
      "modes": [ "string" ],
      "type": "string"
   },
   "certificateOverride": "string",
   "computeTypeOverride": "string",
   "debugSessionEnabled": boolean,
   "encryptionKeyOverride": "string",
   "environmentTypeOverride": "string",
   "environmentVariablesOverride": [
```

```
      {
         "name": "string",
         "type": "string",
         "value": "string"
      }
   ],
   "fleetOverride": {
      "fleetArn": "string"
   },
   "gitCloneDepthOverride": number,
   "gitSubmodulesConfigOverride": {
      "fetchSubmodules": boolean
   },
   "hostKernelOverride": "string",
   "idempotencyToken": "string",
   "imageOverride": "string",
   "imagePullCredentialsTypeOverride": "string",
   "insecureSslOverride": boolean,
   "logsConfigOverride": {
      "cloudWatchLogs": {
         "groupName": "string",
         "status": "string",
         "streamName": "string"
      },
      "s3Logs": {
         "bucketOwnerAccess": "string",
         "encryptionDisabled": boolean,
         "location": "string",
         "status": "string"
      }
   },
   "privilegedModeOverride": boolean,
   "projectName": "string",
   "queuedTimeoutInMinutesOverride": number,
   "registryCredentialOverride": {
      "credential": "string",
      "credentialProvider": "string"
   },
   "reportBuildStatusOverride": boolean,
   "secondaryArtifactsOverride": [
      {
         "artifactIdentifier": "string",
         "bucketOwnerAccess": "string",
         "encryptionDisabled": boolean,
```

```
        "location": "string",
        "name": "string",
        "namespaceType": "string",
        "overrideArtifactName": boolean,
        "packaging": "string",
        "path": "string",
        "type": "string"
     }
  ],
  "secondarySourcesOverride": [
     {
        "auth": {
           "resource": "string",
           "type": "string"
        },
        "buildspec": "string",
        "buildStatusConfig": {
           "context": "string",
           "targetUrl": "string"
        },
        "gitCloneDepth": number,
        "gitSubmodulesConfig": {
           "fetchSubmodules": boolean
        },
        "insecureSsl": boolean,
        "location": "string",
        "reportBuildStatus": boolean,
        "sourceIdentifier": "string",
        "type": "string"
     }
  ],
  "secondarySourcesVersionOverride": [
     {
        "sourceIdentifier": "string",
        "sourceVersion": "string"
     }
  ],
  "serviceRoleOverride": "string",
  "sourceAuthOverride": {
     "resource": "string",
     "type": "string"
  },
  "sourceLocationOverride": "string",
  "sourceTypeOverride": "string",
```

```
    "sourceVersion": "string",
    "timeoutInMinutesOverride": number
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

projectName

The name of the AWS CodeBuild build project to start running a build.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

artifactsOverride

Build output artifact settings that override, for this build only, the latest ones already defined in the build project.

Type: ProjectArtifacts object

Required: No

autoRetryLimitOverride

The maximum number of additional automatic retries after a failed build. For example, if the auto-retry limit is set to 2, CodeBuild will call the `RetryBuild` API to automatically retry your build for up to 2 additional times.

Type: Integer

Required: No

buildspecOverride

A buildspec file declaration that overrides the latest one defined in the build project, for this build only. The buildspec defined on the project is not changed.

If this value is set, it can be either an inline buildspec definition, the path to an alternate buildspec file relative to the value of the built-in `CODEBUILD_SRC_DIR` environment variable, or the path to an S3 bucket. The bucket must be in the same AWS Region as the build project. Specify the buildspec file using its ARN (for example, `arn:aws:s3:::my-codebuild-sample2/buildspec.yml`). If this value is not provided or is set to an empty string, the source code must contain a buildspec file in its root directory. For more information, see Buildspec File Name and Storage Location.

> **Note**
>
> Since this property allows you to change the build commands that will run in the container, you should note that an IAM principal with the ability to call this API and set this parameter can override the default settings. Moreover, we encourage that you use a trustworthy buildspec location like a file in your source repository or a Amazon S3 bucket. Alternatively, you can restrict overrides to the buildspec by using a condition key: Prevent unauthorized modifications to project buildspec.

Type: String

Required: No

buildStatusConfigOverride

Contains information that defines how the build project reports the build status to the source provider. This option is only used when the source provider is `GITHUB`, `GITHUB_ENTERPRISE`, or `BITBUCKET`.

Type: BuildStatusConfig object

Required: No

cacheOverride

A ProjectCache object specified for this build that overrides the one defined in the build project.

Type: ProjectCache object

Required: No

certificateOverride

The name of a certificate for this build that overrides the one specified in the build project.

Type: String

Required: No

computeTypeOverride

The name of a compute type for this build that overrides the one specified in the build project.

Type: String

Valid Values: `BUILD_GENERAL1_SMALL | BUILD_GENERAL1_MEDIUM | BUILD_GENERAL1_LARGE | BUILD_GENERAL1_XLARGE | BUILD_GENERAL1_2XLARGE | BUILD_LAMBDA_1GB | BUILD_LAMBDA_2GB | BUILD_LAMBDA_4GB | BUILD_LAMBDA_8GB | BUILD_LAMBDA_10GB | ATTRIBUTE_BASED_COMPUTE | CUSTOM_INSTANCE_TYPE`

Required: No

debugSessionEnabled

Specifies if session debugging is enabled for this build. For more information, see Viewing a running build in Session Manager.

Type: Boolean

Required: No

encryptionKeyOverride

The AWS Key Management Service customer master key (CMK) that overrides the one specified in the build project. The CMK key encrypts the build output artifacts.

> **Note**
>
> You can use a cross-account KMS key to encrypt the build output artifacts if your service role has permission to that key.

You can specify either the Amazon Resource Name (ARN) of the CMK or, if available, the CMK's alias (using the format `alias/<alias-name>`).

Type: String

Length Constraints: Minimum length of 1.

Required: No

environmentTypeOverride

A container type for this build that overrides the one specified in the build project.

Type: String

Valid Values: `WINDOWS_CONTAINER | LINUX_CONTAINER | LINUX_GPU_CONTAINER | ARM_CONTAINER | WINDOWS_SERVER_2019_CONTAINER | WINDOWS_SERVER_2022_CONTAINER | LINUX_LAMBDA_CONTAINER | ARM_LAMBDA_CONTAINER | LINUX_EC2 | ARM_EC2 | WINDOWS_EC2 | MAC_ARM`

Required: No

environmentVariablesOverride

A set of environment variables that overrides, for this build only, the latest ones already defined in the build project.

Type: Array of EnvironmentVariable objects

Required: No

fleetOverride

A ProjectFleet object specified for this build that overrides the one defined in the build project.

Type: ProjectFleet object

Required: No

gitCloneDepthOverride

The user-defined depth of history, with a minimum value of 0, that overrides, for this build only, any previous depth of history defined in the build project.

Type: Integer

Valid Range: Minimum value of 0.

Required: No

gitSubmodulesConfigOverride

Information about the Git submodules configuration for this build of an AWS CodeBuild build project.

Type: GitSubmodulesConfig object

Required: No

hostKernelOverride

The host operating system kernel for this build that overrides the one specified in the build project.

Type: String

Valid Values: `LINUX_KERNEL_4 | LINUX_KERNEL_6 | LINUX_KERNEL_LATEST`

Required: No

idempotencyToken

A unique, case sensitive identifier you provide to ensure the idempotency of the StartBuild request. The token is included in the StartBuild request and is valid for 5 minutes. If you repeat the StartBuild request with the same token, but change a parameter, AWS CodeBuild returns a parameter mismatch error.

Type: String

Required: No

imageOverride

The name of an image for this build that overrides the one specified in the build project.

Type: String

Length Constraints: Minimum length of 1.

Required: No

imagePullCredentialsTypeOverride

The type of credentials AWS CodeBuild uses to pull images in your build. There are two valid values:

CODEBUILD

Specifies that AWS CodeBuild uses its own credentials. This requires that you modify your ECR repository policy to trust AWS CodeBuild's service principal.

SERVICE_ROLE

Specifies that AWS CodeBuild uses your build project's service role.

When using a cross-account or private registry image, you must use `SERVICE_ROLE` credentials. When using an AWS CodeBuild curated image, you must use `CODEBUILD` credentials.

Type: String

Valid Values: `CODEBUILD | SERVICE_ROLE`

Required: No

insecureSslOverride

Enable this flag to override the insecure SSL setting that is specified in the build project. The insecure SSL setting determines whether to ignore SSL warnings while connecting to the project source code. This override applies only if the build's source is GitHub Enterprise.

Type: Boolean

Required: No

logsConfigOverride

Log settings for this build that override the log settings defined in the build project.

Type: LogsConfig object

Required: No

privilegedModeOverride

Enable this flag to override privileged mode in the build project.

Type: Boolean

Required: No

queuedTimeoutInMinutesOverride

The number of minutes a build is allowed to be queued before it times out.

Type: Integer

Valid Range: Minimum value of 5. Maximum value of 480.

Required: No

registryCredentialOverride

The credentials for access to a private registry.

Type: RegistryCredential object

Required: No

reportBuildStatusOverride

Set to true to report to your source provider the status of a build's start and completion. If you use this option with a source provider other than GitHub, GitHub Enterprise, GitLab, GitLab Self Managed, or Bitbucket, an `invalidInputException` is thrown.

To be able to report the build status to the source provider, the user associated with the source provider must have write access to the repo. If the user does not have write access, the build status cannot be updated. For more information, see Source provider access in the *AWS CodeBuild User Guide*.

> **Note**
>
> The status of a build triggered by a webhook is always reported to your source provider.

Type: Boolean

Required: No

secondaryArtifactsOverride

An array of `ProjectArtifacts` objects.

Type: Array of ProjectArtifacts objects

Array Members: Minimum number of 0 items. Maximum number of 12 items.

Required: No

secondarySourcesOverride

An array of `ProjectSource` objects.

Type: Array of ProjectSource objects

Array Members: Minimum number of 0 items. Maximum number of 12 items.

Required: No

secondarySourcesVersionOverride

An array of `ProjectSourceVersion` objects that specify one or more versions of the project's secondary sources to be used for this build only.

Type: Array of ProjectSourceVersion objects

Array Members: Minimum number of 0 items. Maximum number of 12 items.

Required: No

serviceRoleOverride

The name of a service role for this build that overrides the one specified in the build project.

Type: String

Length Constraints: Minimum length of 1.

Required: No

sourceAuthOverride

An authorization type for this build that overrides the one defined in the build project. This override applies only if the build project's source is BitBucket, GitHub, GitLab, or GitLab Self Managed.

Type: SourceAuth object

Required: No

sourceLocationOverride

A location that overrides, for this build, the source location for the one defined in the build project.

Type: String

Required: No

sourceTypeOverride

A source input type, for this build, that overrides the source input defined in the build project.

Type: String

Valid Values: `CODECOMMIT | CODEPIPELINE | GITHUB | GITLAB | GITLAB_SELF_MANAGED | S3 | BITBUCKET | GITHUB_ENTERPRISE | NO_SOURCE`

Required: No

sourceVersion

The version of the build input to be built, for this build only. If not specified, the latest version is used. If specified, the contents depends on the source provider:

CodeCommit

The commit ID, branch, or Git tag to use.

GitHub

The commit ID, pull request ID, branch name, or tag name that corresponds to the version of the source code you want to build. If a pull request ID is specified, it must use the format `pr/pull-request-ID` (for example `pr/25`). If a branch name is specified, the branch's HEAD commit ID is used. If not specified, the default branch's HEAD commit ID is used.

GitLab

The commit ID, branch, or Git tag to use.

Bitbucket

The commit ID, branch name, or tag name that corresponds to the version of the source code you want to build. If a branch name is specified, the branch's HEAD commit ID is used. If not specified, the default branch's HEAD commit ID is used.

Amazon S3

The version ID of the object that represents the build input ZIP file to use.

If `sourceVersion` is specified at the project level, then this `sourceVersion` (at the build level) takes precedence.

For more information, see Source Version Sample with CodeBuild in the *AWS CodeBuild User Guide*.

Type: String

Required: No

timeoutInMinutesOverride

The number of build timeout minutes, from 5 to 2160 (36 hours), that overrides, for this build only, the latest setting already defined in the build project.

Type: Integer

Valid Range: Minimum value of 5. Maximum value of 2160.

Required: No

Response Syntax

```
{
   "build": {
      "arn": "string",
      "artifacts": {
         "artifactIdentifier": "string",
         "bucketOwnerAccess": "string",
         "encryptionDisabled": boolean,
         "location": "string",
         "md5sum": "string",
         "overrideArtifactName": boolean,
         "sha256sum": "string"
      },
      "autoRetryConfig": {
         "autoRetryLimit": number,
         "autoRetryNumber": number,
         "nextAutoRetry": "string",
         "previousAutoRetry": "string"
      },
      "buildBatchArn": "string",
      "buildComplete": boolean,
      "buildNumber": number,
      "buildStatus": "string",
      "cache": {
         "cacheNamespace": "string",
         "location": "string",
         "modes": [ "string" ],
         "type": "string"
```

```
      },
      "currentPhase": "string",
      "debugSession": {
         "sessionEnabled": boolean,
         "sessionTarget": "string"
      },
      "encryptionKey": "string",
      "endTime": number,
      "environment": {
         "certificate": "string",
         "computeConfiguration": {
            "disk": number,
            "instanceType": "string",
            "machineType": "string",
            "memory": number,
            "vCpu": number
         },
         "computeType": "string",
         "dockerServer": {
            "computeType": "string",
            "securityGroupIds": [ "string" ],
            "status": {
               "message": "string",
               "status": "string"
            }
         },
         "environmentVariables": [
            {
               "name": "string",
               "type": "string",
               "value": "string"
            }
         ],
         "fleet": {
            "fleetArn": "string"
         },
         "hostKernel": "string",
         "image": "string",
         "imagePullCredentialsType": "string",
         "privilegedMode": boolean,
         "registryCredential": {
            "credential": "string",
            "credentialProvider": "string"
         },
```

```
      "type": "string"
   },
   "exportedEnvironmentVariables": [
      {
         "name": "string",
         "value": "string"
      }
   ],
   "fileSystemLocations": [
      {
         "identifier": "string",
         "location": "string",
         "mountOptions": "string",
         "mountPoint": "string",
         "type": "string"
      }
   ],
   "id": "string",
   "initiator": "string",
   "logs": {
      "cloudWatchLogs": {
         "groupName": "string",
         "status": "string",
         "streamName": "string"
      },
      "cloudWatchLogsArn": "string",
      "deepLink": "string",
      "groupName": "string",
      "s3DeepLink": "string",
      "s3Logs": {
         "bucketOwnerAccess": "string",
         "encryptionDisabled": boolean,
         "location": "string",
         "status": "string"
      },
      "s3LogsArn": "string",
      "streamName": "string"
   },
   "networkInterface": {
      "networkInterfaceId": "string",
      "subnetId": "string"
   },
   "phases": [
      {
```

```
            "contexts": [
               {
                  "message": "string",
                  "statusCode": "string"
               }
            ],
            "durationInSeconds": number,
            "endTime": number,
            "phaseStatus": "string",
            "phaseType": "string",
            "startTime": number
         }
      ],
      "projectName": "string",
      "queuedTimeoutInMinutes": number,
      "reportArns": [ "string" ],
      "resolvedSourceVersion": "string",
      "secondaryArtifacts": [
         {
            "artifactIdentifier": "string",
            "bucketOwnerAccess": "string",
            "encryptionDisabled": boolean,
            "location": "string",
            "md5sum": "string",
            "overrideArtifactName": boolean,
            "sha256sum": "string"
         }
      ],
      "secondarySources": [
         {
            "auth": {
               "resource": "string",
               "type": "string"
            },
            "buildspec": "string",
            "buildStatusConfig": {
               "context": "string",
               "targetUrl": "string"
            },
            "gitCloneDepth": number,
            "gitSubmodulesConfig": {
               "fetchSubmodules": boolean
            },
            "insecureSsl": boolean,
```

```
            "location": "string",
            "reportBuildStatus": boolean,
            "sourceIdentifier": "string",
            "type": "string"
         }
      ],
      "secondarySourceVersions": [
         {
            "sourceIdentifier": "string",
            "sourceVersion": "string"
         }
      ],
      "serviceRole": "string",
      "source": {
         "auth": {
            "resource": "string",
            "type": "string"
         },
         "buildspec": "string",
         "buildStatusConfig": {
            "context": "string",
            "targetUrl": "string"
         },
         "gitCloneDepth": number,
         "gitSubmodulesConfig": {
            "fetchSubmodules": boolean
         },
         "insecureSsl": boolean,
         "location": "string",
         "reportBuildStatus": boolean,
         "sourceIdentifier": "string",
         "type": "string"
      },
      "sourceVersion": "string",
      "startTime": number,
      "timeoutInMinutes": number,
      "vpcConfig": {
         "securityGroupIds": [ "string" ],
         "subnets": [ "string" ],
         "vpcId": "string"
      }
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

build

Information about the build to be run.

Type: Build object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccountLimitExceededException

An AWS service limit was exceeded for the calling AWS account.

HTTP Status Code: 400

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified AWS resource cannot be found.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

StartBuildBatch

Starts a batch build for a project.

Request Syntax

```
{
   "artifactsOverride": {
      "artifactIdentifier": "string",
      "bucketOwnerAccess": "string",
      "encryptionDisabled": boolean,
      "location": "string",
      "name": "string",
      "namespaceType": "string",
      "overrideArtifactName": boolean,
      "packaging": "string",
      "path": "string",
      "type": "string"
   },
   "buildBatchConfigOverride": {
      "batchReportMode": "string",
      "combineArtifacts": boolean,
      "restrictions": {
         "computeTypesAllowed": [ "string" ],
         "fleetsAllowed": [ "string" ],
         "maximumBuildsAllowed": number
      },
      "serviceRole": "string",
      "timeoutInMins": number
   },
   "buildspecOverride": "string",
   "buildTimeoutInMinutesOverride": number,
   "cacheOverride": {
      "cacheNamespace": "string",
      "location": "string",
      "modes": [ "string" ],
      "type": "string"
   },
   "certificateOverride": "string",
   "computeTypeOverride": "string",
   "debugSessionEnabled": boolean,
   "encryptionKeyOverride": "string",
   "environmentTypeOverride": "string",
```

```
   "environmentVariablesOverride": [
      {
         "name": "string",
         "type": "string",
         "value": "string"
      }
   ],
   "gitCloneDepthOverride": number,
   "gitSubmodulesConfigOverride": {
      "fetchSubmodules": boolean
   },
   "idempotencyToken": "string",
   "imageOverride": "string",
   "imagePullCredentialsTypeOverride": "string",
   "insecureSslOverride": boolean,
   "logsConfigOverride": {
      "cloudWatchLogs": {
         "groupName": "string",
         "status": "string",
         "streamName": "string"
      },
      "s3Logs": {
         "bucketOwnerAccess": "string",
         "encryptionDisabled": boolean,
         "location": "string",
         "status": "string"
      }
   },
   "privilegedModeOverride": boolean,
   "projectName": "string",
   "queuedTimeoutInMinutesOverride": number,
   "registryCredentialOverride": {
      "credential": "string",
      "credentialProvider": "string"
   },
   "reportBuildBatchStatusOverride": boolean,
   "secondaryArtifactsOverride": [
      {
         "artifactIdentifier": "string",
         "bucketOwnerAccess": "string",
         "encryptionDisabled": boolean,
         "location": "string",
         "name": "string",
         "namespaceType": "string",
```

```
        "overrideArtifactName": boolean,
        "packaging": "string",
        "path": "string",
        "type": "string"
      }
   ],
   "secondarySourcesOverride": [
      {
         "auth": {
            "resource": "string",
            "type": "string"
         },
         "buildspec": "string",
         "buildStatusConfig": {
            "context": "string",
            "targetUrl": "string"
         },
         "gitCloneDepth": number,
         "gitSubmodulesConfig": {
            "fetchSubmodules": boolean
         },
         "insecureSsl": boolean,
         "location": "string",
         "reportBuildStatus": boolean,
         "sourceIdentifier": "string",
         "type": "string"
      }
   ],
   "secondarySourcesVersionOverride": [
      {
         "sourceIdentifier": "string",
         "sourceVersion": "string"
      }
   ],
   "serviceRoleOverride": "string",
   "sourceAuthOverride": {
      "resource": "string",
      "type": "string"
   },
   "sourceLocationOverride": "string",
   "sourceTypeOverride": "string",
   "sourceVersion": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

projectName

The name of the project.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

artifactsOverride

An array of `ProjectArtifacts` objects that contains information about the build output artifact overrides for the build project.

Type: ProjectArtifacts object

Required: No

buildBatchConfigOverride

A `BuildBatchConfigOverride` object that contains batch build configuration overrides.

Type: ProjectBuildBatchConfig object

Required: No

buildspecOverride

A buildspec file declaration that overrides, for this build only, the latest one already defined in the build project.

If this value is set, it can be either an inline buildspec definition, the path to an alternate buildspec file relative to the value of the built-in `CODEBUILD_SRC_DIR` environment variable, or the path to an S3 bucket. The bucket must be in the same AWS Region as the build project.

Specify the buildspec file using its ARN (for example, `arn:aws:s3:::my-codebuild-sample2/buildspec.yml`). If this value is not provided or is set to an empty string, the source code must contain a buildspec file in its root directory. For more information, see Buildspec File Name and Storage Location.

Type: String

Required: No

buildTimeoutInMinutesOverride

Overrides the build timeout specified in the batch build project.

Type: Integer

Valid Range: Minimum value of 5. Maximum value of 2160.

Required: No

cacheOverride

A `ProjectCache` object that specifies cache overrides.

Type: ProjectCache object

Required: No

certificateOverride

The name of a certificate for this batch build that overrides the one specified in the batch build project.

Type: String

Required: No

computeTypeOverride

The name of a compute type for this batch build that overrides the one specified in the batch build project.

Type: String

Valid Values: `BUILD_GENERAL1_SMALL | BUILD_GENERAL1_MEDIUM | BUILD_GENERAL1_LARGE | BUILD_GENERAL1_XLARGE | BUILD_GENERAL1_2XLARGE | BUILD_LAMBDA_1GB | BUILD_LAMBDA_2GB | BUILD_LAMBDA_4GB |`

`BUILD_LAMBDA_8GB | BUILD_LAMBDA_10GB | ATTRIBUTE_BASED_COMPUTE | CUSTOM_INSTANCE_TYPE`

Required: No

debugSessionEnabled

Specifies if session debugging is enabled for this batch build. For more information, see Viewing a running build in Session Manager. Batch session debugging is not supported for matrix batch builds.

Type: Boolean

Required: No

encryptionKeyOverride

The AWS Key Management Service customer master key (CMK) that overrides the one specified in the batch build project. The CMK key encrypts the build output artifacts.

> **Note**
>
> You can use a cross-account KMS key to encrypt the build output artifacts if your service role has permission to that key.

You can specify either the Amazon Resource Name (ARN) of the CMK or, if available, the CMK's alias (using the format `alias/<alias-name>`).

Type: String

Length Constraints: Minimum length of 1.

Required: No

environmentTypeOverride

A container type for this batch build that overrides the one specified in the batch build project.

Type: String

Valid Values: `WINDOWS_CONTAINER | LINUX_CONTAINER | LINUX_GPU_CONTAINER | ARM_CONTAINER | WINDOWS_SERVER_2019_CONTAINER | WINDOWS_SERVER_2022_CONTAINER | LINUX_LAMBDA_CONTAINER | ARM_LAMBDA_CONTAINER | LINUX_EC2 | ARM_EC2 | WINDOWS_EC2 | MAC_ARM`

Required: No

environmentVariablesOverride

An array of `EnvironmentVariable` objects that override, or add to, the environment variables defined in the batch build project.

Type: Array of EnvironmentVariable objects

Required: No

gitCloneDepthOverride

The user-defined depth of history, with a minimum value of 0, that overrides, for this batch build only, any previous depth of history defined in the batch build project.

Type: Integer

Valid Range: Minimum value of 0.

Required: No

gitSubmodulesConfigOverride

A `GitSubmodulesConfig` object that overrides the Git submodules configuration for this batch build.

Type: GitSubmodulesConfig object

Required: No

idempotencyToken

A unique, case sensitive identifier you provide to ensure the idempotency of the `StartBuildBatch` request. The token is included in the `StartBuildBatch` request and is valid for five minutes. If you repeat the `StartBuildBatch` request with the same token, but change a parameter, AWS CodeBuild returns a parameter mismatch error.

Type: String

Required: No

imageOverride

The name of an image for this batch build that overrides the one specified in the batch build project.

Type: String

Length Constraints: Minimum length of 1.

Required: No

imagePullCredentialsTypeOverride

The type of credentials AWS CodeBuild uses to pull images in your batch build. There are two valid values:

CODEBUILD

Specifies that AWS CodeBuild uses its own credentials. This requires that you modify your ECR repository policy to trust AWS CodeBuild's service principal.

SERVICE_ROLE

Specifies that AWS CodeBuild uses your build project's service role.

When using a cross-account or private registry image, you must use `SERVICE_ROLE` credentials. When using an AWS CodeBuild curated image, you must use `CODEBUILD` credentials.

Type: String

Valid Values: `CODEBUILD | SERVICE_ROLE`

Required: No

insecureSslOverride

Enable this flag to override the insecure SSL setting that is specified in the batch build project. The insecure SSL setting determines whether to ignore SSL warnings while connecting to the project source code. This override applies only if the build's source is GitHub Enterprise.

Type: Boolean

Required: No

logsConfigOverride

A `LogsConfig` object that override the log settings defined in the batch build project.

Type: LogsConfig object

Required: No

privilegedModeOverride

Enable this flag to override privileged mode in the batch build project.

Type: Boolean

Required: No

queuedTimeoutInMinutesOverride

The number of minutes a batch build is allowed to be queued before it times out.

Type: Integer

Valid Range: Minimum value of 5. Maximum value of 480.

Required: No

registryCredentialOverride

A `RegistryCredential` object that overrides credentials for access to a private registry.

Type: RegistryCredential object

Required: No

reportBuildBatchStatusOverride

Set to `true` to report to your source provider the status of a batch build's start and completion. If you use this option with a source provider other than GitHub, GitHub Enterprise, or Bitbucket, an `invalidInputException` is thrown.

> **Note**
>
> The status of a build triggered by a webhook is always reported to your source provider.

Type: Boolean

Required: No

secondaryArtifactsOverride

An array of `ProjectArtifacts` objects that override the secondary artifacts defined in the batch build project.

Type: Array of ProjectArtifacts objects

Array Members: Minimum number of 0 items. Maximum number of 12 items.

Required: No

secondarySourcesOverride

An array of `ProjectSource` objects that override the secondary sources defined in the batch build project.

Type: Array of ProjectSource objects

Array Members: Minimum number of 0 items. Maximum number of 12 items.

Required: No

secondarySourcesVersionOverride

An array of `ProjectSourceVersion` objects that override the secondary source versions in the batch build project.

Type: Array of ProjectSourceVersion objects

Array Members: Minimum number of 0 items. Maximum number of 12 items.

Required: No

serviceRoleOverride

The name of a service role for this batch build that overrides the one specified in the batch build project.

Type: String

Length Constraints: Minimum length of 1.

Required: No

sourceAuthOverride

A `SourceAuth` object that overrides the one defined in the batch build project. This override applies only if the build project's source is BitBucket or GitHub.

Type: SourceAuth object

Required: No

sourceLocationOverride

A location that overrides, for this batch build, the source location defined in the batch build project.

Type: String

Required: No

sourceTypeOverride

The source input type that overrides the source input defined in the batch build project.

Type: String

Valid Values: `CODECOMMIT | CODEPIPELINE | GITHUB | GITLAB | GITLAB_SELF_MANAGED | S3 | BITBUCKET | GITHUB_ENTERPRISE | NO_SOURCE`

Required: No

sourceVersion

The version of the batch build input to be built, for this build only. If not specified, the latest version is used. If specified, the contents depends on the source provider:

CodeCommit

The commit ID, branch, or Git tag to use.

GitHub

The commit ID, pull request ID, branch name, or tag name that corresponds to the version of the source code you want to build. If a pull request ID is specified, it must use the format `pr/pull-request-ID` (for example `pr/25`). If a branch name is specified, the branch's HEAD commit ID is used. If not specified, the default branch's HEAD commit ID is used.

Bitbucket

The commit ID, branch name, or tag name that corresponds to the version of the source code you want to build. If a branch name is specified, the branch's HEAD commit ID is used. If not specified, the default branch's HEAD commit ID is used.

Amazon S3

The version ID of the object that represents the build input ZIP file to use.

If `sourceVersion` is specified at the project level, then this `sourceVersion` (at the build level) takes precedence.

For more information, see Source Version Sample with CodeBuild in the *AWS CodeBuild User Guide*.

Type: String

Required: No

Response Syntax

```
{
   "buildBatch": {
      "arn": "string",
      "artifacts": {
         "artifactIdentifier": "string",
         "bucketOwnerAccess": "string",
         "encryptionDisabled": boolean,
         "location": "string",
         "md5sum": "string",
         "overrideArtifactName": boolean,
         "sha256sum": "string"
      },
      "buildBatchConfig": {
         "batchReportMode": "string",
         "combineArtifacts": boolean,
         "restrictions": {
            "computeTypesAllowed": [ "string" ],
            "fleetsAllowed": [ "string" ],
            "maximumBuildsAllowed": number
         },
         "serviceRole": "string",
         "timeoutInMins": number
      },
      "buildBatchNumber": number,
      "buildBatchStatus": "string",
      "buildGroups": [
         {
            "currentBuildSummary": {
               "arn": "string",
               "buildStatus": "string",
```

```
            "primaryArtifact": {
               "identifier": "string",
               "location": "string",
               "type": "string"
            },
            "requestedOn": number,
            "secondaryArtifacts": [
               {
                  "identifier": "string",
                  "location": "string",
                  "type": "string"
               }
            ]
         },
         "dependsOn": [ "string" ],
         "identifier": "string",
         "ignoreFailure": boolean,
         "priorBuildSummaryList": [
            {
               "arn": "string",
               "buildStatus": "string",
               "primaryArtifact": {
                  "identifier": "string",
                  "location": "string",
                  "type": "string"
               },
               "requestedOn": number,
               "secondaryArtifacts": [
                  {
                     "identifier": "string",
                     "location": "string",
                     "type": "string"
                  }
               ]
            }
         ]
      }
   ],
   "buildTimeoutInMinutes": number,
   "cache": {
      "cacheNamespace": "string",
      "location": "string",
      "modes": [ "string" ],
      "type": "string"
```

```
      },
      "complete": boolean,
      "currentPhase": "string",
      "debugSessionEnabled": boolean,
      "encryptionKey": "string",
      "endTime": number,
      "environment": {
         "certificate": "string",
         "computeConfiguration": {
            "disk": number,
            "instanceType": "string",
            "machineType": "string",
            "memory": number,
            "vCpu": number
         },
         "computeType": "string",
         "dockerServer": {
            "computeType": "string",
            "securityGroupIds": [ "string" ],
            "status": {
               "message": "string",
               "status": "string"
            }
         },
         "environmentVariables": [
            {
               "name": "string",
               "type": "string",
               "value": "string"
            }
         ],
         "fleet": {
            "fleetArn": "string"
         },
         "hostKernel": "string",
         "image": "string",
         "imagePullCredentialsType": "string",
         "privilegedMode": boolean,
         "registryCredential": {
            "credential": "string",
            "credentialProvider": "string"
         },
         "type": "string"
      },
```

```
      "fileSystemLocations": [
         {
            "identifier": "string",
            "location": "string",
            "mountOptions": "string",
            "mountPoint": "string",
            "type": "string"
         }
      ],
      "id": "string",
      "initiator": "string",
      "logConfig": {
         "cloudWatchLogs": {
            "groupName": "string",
            "status": "string",
            "streamName": "string"
         },
         "s3Logs": {
            "bucketOwnerAccess": "string",
            "encryptionDisabled": boolean,
            "location": "string",
            "status": "string"
         }
      },
      "phases": [
         {
            "contexts": [
               {
                  "message": "string",
                  "statusCode": "string"
               }
            ],
            "durationInSeconds": number,
            "endTime": number,
            "phaseStatus": "string",
            "phaseType": "string",
            "startTime": number
         }
      ],
      "projectName": "string",
      "queuedTimeoutInMinutes": number,
      "reportArns": [ "string" ],
      "resolvedSourceVersion": "string",
      "secondaryArtifacts": [
```

```
            {
               "artifactIdentifier": "string",
               "bucketOwnerAccess": "string",
               "encryptionDisabled": boolean,
               "location": "string",
               "md5sum": "string",
               "overrideArtifactName": boolean,
               "sha256sum": "string"
            }
         ],
         "secondarySources": [
            {
               "auth": {
                  "resource": "string",
                  "type": "string"
               },
               "buildspec": "string",
               "buildStatusConfig": {
                  "context": "string",
                  "targetUrl": "string"
               },
               "gitCloneDepth": number,
               "gitSubmodulesConfig": {
                  "fetchSubmodules": boolean
               },
               "insecureSsl": boolean,
               "location": "string",
               "reportBuildStatus": boolean,
               "sourceIdentifier": "string",
               "type": "string"
            }
         ],
         "secondarySourceVersions": [
            {
               "sourceIdentifier": "string",
               "sourceVersion": "string"
            }
         ],
         "serviceRole": "string",
         "source": {
            "auth": {
               "resource": "string",
               "type": "string"
            },
```

```
            "buildspec": "string",
            "buildStatusConfig": {
               "context": "string",
               "targetUrl": "string"
            },
            "gitCloneDepth": number,
            "gitSubmodulesConfig": {
               "fetchSubmodules": boolean
            },
            "insecureSsl": boolean,
            "location": "string",
            "reportBuildStatus": boolean,
            "sourceIdentifier": "string",
            "type": "string"
         },
         "sourceVersion": "string",
         "startTime": number,
         "vpcConfig": {
            "securityGroupIds": [ "string" ],
            "subnets": [ "string" ],
            "vpcId": "string"
         }
      }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

buildBatch

A `BuildBatch` object that contains information about the batch build.

Type: BuildBatch object

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified AWS resource cannot be found.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

StartCommandExecution

Starts a command execution.

Request Syntax

```
{
   "command": "string",
   "sandboxId": "string",
   "type": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

command

The command that needs to be executed.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

sandboxId

A `sandboxId` or `sandboxArn`.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

type

The command type.

Type: String

Valid Values: SHELL

Required: No

Response Syntax

```
{
   "commandExecution": {
      "command": "string",
      "endTime": number,
      "exitCode": "string",
      "id": "string",
      "logs": {
         "cloudWatchLogs": {
            "groupName": "string",
            "status": "string",
            "streamName": "string"
         },
         "cloudWatchLogsArn": "string",
         "deepLink": "string",
         "groupName": "string",
         "s3DeepLink": "string",
         "s3Logs": {
            "bucketOwnerAccess": "string",
            "encryptionDisabled": boolean,
            "location": "string",
            "status": "string"
         },
         "s3LogsArn": "string",
         "streamName": "string"
      },
      "sandboxArn": "string",
      "sandboxId": "string",
      "standardErrContent": "string",
      "standardOutputContent": "string",
      "startTime": number,
      "status": "string",
```

```
        "submitTime": number,
        "type": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

commandExecution

Information about the requested command executions.

Type: CommandExecution object

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified AWS resource cannot be found.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

StartSandbox

Starts a sandbox.

Request Syntax

```
{
   "idempotencyToken": "string",
   "projectName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

idempotencyToken

A unique client token.

Type: String

Required: No

projectName

The AWS CodeBuild project name.

Type: String

Length Constraints: Minimum length of 1.

Required: No

Response Syntax

```
{
   "sandbox": {
      "arn": "string",
      "currentSession": {
         "currentPhase": "string",
         "endTime": number,
         "id": "string",
         "logs": {
            "cloudWatchLogs": {
               "groupName": "string",
               "status": "string",
               "streamName": "string"
            },
            "cloudWatchLogsArn": "string",
            "deepLink": "string",
            "groupName": "string",
            "s3DeepLink": "string",
            "s3Logs": {
               "bucketOwnerAccess": "string",
               "encryptionDisabled": boolean,
               "location": "string",
               "status": "string"
            },
            "s3LogsArn": "string",
            "streamName": "string"
         },
         "networkInterface": {
            "networkInterfaceId": "string",
            "subnetId": "string"
         },
         "phases": [
            {
               "contexts": [
                  {
                     "message": "string",
                     "statusCode": "string"
                  }
               ],
               "durationInSeconds": number,
               "endTime": number,
               "phaseStatus": "string",
```

```
            "phaseType": "string",
            "startTime": number
         }
      ],
      "resolvedSourceVersion": "string",
      "startTime": number,
      "status": "string"
   },
   "encryptionKey": "string",
   "endTime": number,
   "environment": {
      "certificate": "string",
      "computeConfiguration": {
         "disk": number,
         "instanceType": "string",
         "machineType": "string",
         "memory": number,
         "vCpu": number
      },
      "computeType": "string",
      "dockerServer": {
         "computeType": "string",
         "securityGroupIds": [ "string" ],
         "status": {
            "message": "string",
            "status": "string"
         }
      },
      "environmentVariables": [
         {
            "name": "string",
            "type": "string",
            "value": "string"
         }
      ],
      "fleet": {
         "fleetArn": "string"
      },
      "hostKernel": "string",
      "image": "string",
      "imagePullCredentialsType": "string",
      "privilegedMode": boolean,
      "registryCredential": {
         "credential": "string",
```

```
            "credentialProvider": "string"
         },
         "type": "string"
      },
      "fileSystemLocations": [
         {
            "identifier": "string",
            "location": "string",
            "mountOptions": "string",
            "mountPoint": "string",
            "type": "string"
         }
      ],
      "id": "string",
      "logConfig": {
         "cloudWatchLogs": {
            "groupName": "string",
            "status": "string",
            "streamName": "string"
         },
         "s3Logs": {
            "bucketOwnerAccess": "string",
            "encryptionDisabled": boolean,
            "location": "string",
            "status": "string"
         }
      },
      "projectName": "string",
      "queuedTimeoutInMinutes": number,
      "requestTime": number,
      "secondarySources": [
         {
            "auth": {
               "resource": "string",
               "type": "string"
            },
            "buildspec": "string",
            "buildStatusConfig": {
               "context": "string",
               "targetUrl": "string"
            },
            "gitCloneDepth": number,
            "gitSubmodulesConfig": {
               "fetchSubmodules": boolean
```

```
            },
            "insecureSsl": boolean,
            "location": "string",
            "reportBuildStatus": boolean,
            "sourceIdentifier": "string",
            "type": "string"
         }
      ],
      "secondarySourceVersions": [
         {
            "sourceIdentifier": "string",
            "sourceVersion": "string"
         }
      ],
      "serviceRole": "string",
      "source": {
         "auth": {
            "resource": "string",
            "type": "string"
         },
         "buildspec": "string",
         "buildStatusConfig": {
            "context": "string",
            "targetUrl": "string"
         },
         "gitCloneDepth": number,
         "gitSubmodulesConfig": {
            "fetchSubmodules": boolean
         },
         "insecureSsl": boolean,
         "location": "string",
         "reportBuildStatus": boolean,
         "sourceIdentifier": "string",
         "type": "string"
      },
      "sourceVersion": "string",
      "startTime": number,
      "status": "string",
      "timeoutInMinutes": number,
      "vpcConfig": {
         "securityGroupIds": [ "string" ],
         "subnets": [ "string" ],
         "vpcId": "string"
      }
```

```
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

sandbox

Information about the requested sandbox.

Type: Sandbox object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccountSuspendedException

The CodeBuild access has been suspended for the calling Amazon Web Services account.

HTTP Status Code: 400

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified AWS resource cannot be found.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

StartSandboxConnection

Starts a sandbox connection.

Request Syntax

```
{
   "sandboxId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

sandboxId

A `sandboxId` or `sandboxArn`.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

Response Syntax

```
{
   "ssmSession": {
      "sessionId": "string",
      "streamUrl": "string",
      "tokenValue": "string"
   }
```

```
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ssmSession

Information about the Session Manager session.

Type: SSMSession object

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified AWS resource cannot be found.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2

- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

StopBuild

Attempts to stop running a build.

Request Syntax

```
{
   "id": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

id

The ID of the build.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

Response Syntax

```
{
   "build": {
      "arn": "string",
      "artifacts": {
         "artifactIdentifier": "string",
         "bucketOwnerAccess": "string",
         "encryptionDisabled": boolean,
         "location": "string",
```

```
            "md5sum": "string",
            "overrideArtifactName": boolean,
            "sha256sum": "string"
         },
         "autoRetryConfig": {
            "autoRetryLimit": number,
            "autoRetryNumber": number,
            "nextAutoRetry": "string",
            "previousAutoRetry": "string"
         },
         "buildBatchArn": "string",
         "buildComplete": boolean,
         "buildNumber": number,
         "buildStatus": "string",
         "cache": {
            "cacheNamespace": "string",
            "location": "string",
            "modes": [ "string" ],
            "type": "string"
         },
         "currentPhase": "string",
         "debugSession": {
            "sessionEnabled": boolean,
            "sessionTarget": "string"
         },
         "encryptionKey": "string",
         "endTime": number,
         "environment": {
            "certificate": "string",
            "computeConfiguration": {
               "disk": number,
               "instanceType": "string",
               "machineType": "string",
               "memory": number,
               "vCpu": number
            },
            "computeType": "string",
            "dockerServer": {
               "computeType": "string",
               "securityGroupIds": [ "string" ],
               "status": {
                  "message": "string",
                  "status": "string"
               }
```

```
        },
        "environmentVariables": [
           {
              "name": "string",
              "type": "string",
              "value": "string"
           }
        ],
        "fleet": {
           "fleetArn": "string"
        },
        "hostKernel": "string",
        "image": "string",
        "imagePullCredentialsType": "string",
        "privilegedMode": boolean,
        "registryCredential": {
           "credential": "string",
           "credentialProvider": "string"
        },
        "type": "string"
     },
     "exportedEnvironmentVariables": [
        {
           "name": "string",
           "value": "string"
        }
     ],
     "fileSystemLocations": [
        {
           "identifier": "string",
           "location": "string",
           "mountOptions": "string",
           "mountPoint": "string",
           "type": "string"
        }
     ],
     "id": "string",
     "initiator": "string",
     "logs": {
        "cloudWatchLogs": {
           "groupName": "string",
           "status": "string",
           "streamName": "string"
        },
```

```
            "cloudWatchLogsArn": "string",
            "deepLink": "string",
            "groupName": "string",
            "s3DeepLink": "string",
            "s3Logs": {
               "bucketOwnerAccess": "string",
               "encryptionDisabled": boolean,
               "location": "string",
               "status": "string"
            },
            "s3LogsArn": "string",
            "streamName": "string"
         },
         "networkInterface": {
            "networkInterfaceId": "string",
            "subnetId": "string"
         },
         "phases": [
            {
               "contexts": [
                  {
                     "message": "string",
                     "statusCode": "string"
                  }
               ],
               "durationInSeconds": number,
               "endTime": number,
               "phaseStatus": "string",
               "phaseType": "string",
               "startTime": number
            }
         ],
         "projectName": "string",
         "queuedTimeoutInMinutes": number,
         "reportArns": [ "string" ],
         "resolvedSourceVersion": "string",
         "secondaryArtifacts": [
            {
               "artifactIdentifier": "string",
               "bucketOwnerAccess": "string",
               "encryptionDisabled": boolean,
               "location": "string",
               "md5sum": "string",
               "overrideArtifactName": boolean,
```

```
            "sha256sum": "string"
         }
      ],
      "secondarySources": [
         {
            "auth": {
               "resource": "string",
               "type": "string"
            },
            "buildspec": "string",
            "buildStatusConfig": {
               "context": "string",
               "targetUrl": "string"
            },
            "gitCloneDepth": number,
            "gitSubmodulesConfig": {
               "fetchSubmodules": boolean
            },
            "insecureSsl": boolean,
            "location": "string",
            "reportBuildStatus": boolean,
            "sourceIdentifier": "string",
            "type": "string"
         }
      ],
      "secondarySourceVersions": [
         {
            "sourceIdentifier": "string",
            "sourceVersion": "string"
         }
      ],
      "serviceRole": "string",
      "source": {
         "auth": {
            "resource": "string",
            "type": "string"
         },
         "buildspec": "string",
         "buildStatusConfig": {
            "context": "string",
            "targetUrl": "string"
         },
         "gitCloneDepth": number,
         "gitSubmodulesConfig": {
```

```
            "fetchSubmodules": boolean
         },
         "insecureSsl": boolean,
         "location": "string",
         "reportBuildStatus": boolean,
         "sourceIdentifier": "string",
         "type": "string"
      },
      "sourceVersion": "string",
      "startTime": number,
      "timeoutInMinutes": number,
      "vpcConfig": {
         "securityGroupIds": [ "string" ],
         "subnets": [ "string" ],
         "vpcId": "string"
      }
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

build

Information about the build.

Type: Build object

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified AWS resource cannot be found.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

StopBuildBatch

Stops a running batch build.

Request Syntax

```
{
   "id": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

id

The identifier of the batch build to stop.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

Response Syntax

```
{
   "buildBatch": {
      "arn": "string",
      "artifacts": {
         "artifactIdentifier": "string",
         "bucketOwnerAccess": "string",
         "encryptionDisabled": boolean,
         "location": "string",
```

```
            "md5sum": "string",
            "overrideArtifactName": boolean,
            "sha256sum": "string"
         },
         "buildBatchConfig": {
            "batchReportMode": "string",
            "combineArtifacts": boolean,
            "restrictions": {
               "computeTypesAllowed": [ "string" ],
               "fleetsAllowed": [ "string" ],
               "maximumBuildsAllowed": number
            },
            "serviceRole": "string",
            "timeoutInMins": number
         },
         "buildBatchNumber": number,
         "buildBatchStatus": "string",
         "buildGroups": [
            {
               "currentBuildSummary": {
                  "arn": "string",
                  "buildStatus": "string",
                  "primaryArtifact": {
                     "identifier": "string",
                     "location": "string",
                     "type": "string"
                  },
                  "requestedOn": number,
                  "secondaryArtifacts": [
                     {
                        "identifier": "string",
                        "location": "string",
                        "type": "string"
                     }
                  ]
               },
               "dependsOn": [ "string" ],
               "identifier": "string",
               "ignoreFailure": boolean,
               "priorBuildSummaryList": [
                  {
                     "arn": "string",
                     "buildStatus": "string",
                     "primaryArtifact": {
```

```
                "identifier": "string",
                "location": "string",
                "type": "string"
             },
             "requestedOn": number,
             "secondaryArtifacts": [
                {
                   "identifier": "string",
                   "location": "string",
                   "type": "string"
                }
             ]
          }
       ]
    }
 ],
 "buildTimeoutInMinutes": number,
 "cache": {
    "cacheNamespace": "string",
    "location": "string",
    "modes": [ "string" ],
    "type": "string"
 },
 "complete": boolean,
 "currentPhase": "string",
 "debugSessionEnabled": boolean,
 "encryptionKey": "string",
 "endTime": number,
 "environment": {
    "certificate": "string",
    "computeConfiguration": {
       "disk": number,
       "instanceType": "string",
       "machineType": "string",
       "memory": number,
       "vCpu": number
    },
    "computeType": "string",
    "dockerServer": {
       "computeType": "string",
       "securityGroupIds": [ "string" ],
       "status": {
          "message": "string",
          "status": "string"
```

```
            }
         },
         "environmentVariables": [
            {
               "name": "string",
               "type": "string",
               "value": "string"
            }
         ],
         "fleet": {
            "fleetArn": "string"
         },
         "hostKernel": "string",
         "image": "string",
         "imagePullCredentialsType": "string",
         "privilegedMode": boolean,
         "registryCredential": {
            "credential": "string",
            "credentialProvider": "string"
         },
         "type": "string"
      },
      "fileSystemLocations": [
         {
            "identifier": "string",
            "location": "string",
            "mountOptions": "string",
            "mountPoint": "string",
            "type": "string"
         }
      ],
      "id": "string",
      "initiator": "string",
      "logConfig": {
         "cloudWatchLogs": {
            "groupName": "string",
            "status": "string",
            "streamName": "string"
         },
         "s3Logs": {
            "bucketOwnerAccess": "string",
            "encryptionDisabled": boolean,
            "location": "string",
            "status": "string"
```

```
      }
   },
   "phases": [
      {
         "contexts": [
            {
               "message": "string",
               "statusCode": "string"
            }
         ],
         "durationInSeconds": number,
         "endTime": number,
         "phaseStatus": "string",
         "phaseType": "string",
         "startTime": number
      }
   ],
   "projectName": "string",
   "queuedTimeoutInMinutes": number,
   "reportArns": [ "string" ],
   "resolvedSourceVersion": "string",
   "secondaryArtifacts": [
      {
         "artifactIdentifier": "string",
         "bucketOwnerAccess": "string",
         "encryptionDisabled": boolean,
         "location": "string",
         "md5sum": "string",
         "overrideArtifactName": boolean,
         "sha256sum": "string"
      }
   ],
   "secondarySources": [
      {
         "auth": {
            "resource": "string",
            "type": "string"
         },
         "buildspec": "string",
         "buildStatusConfig": {
            "context": "string",
            "targetUrl": "string"
         },
         "gitCloneDepth": number,
```

```
            "gitSubmodulesConfig": {
               "fetchSubmodules": boolean
            },
            "insecureSsl": boolean,
            "location": "string",
            "reportBuildStatus": boolean,
            "sourceIdentifier": "string",
            "type": "string"
         }
      ],
      "secondarySourceVersions": [
         {
            "sourceIdentifier": "string",
            "sourceVersion": "string"
         }
      ],
      "serviceRole": "string",
      "source": {
         "auth": {
            "resource": "string",
            "type": "string"
         },
         "buildspec": "string",
         "buildStatusConfig": {
            "context": "string",
            "targetUrl": "string"
         },
         "gitCloneDepth": number,
         "gitSubmodulesConfig": {
            "fetchSubmodules": boolean
         },
         "insecureSsl": boolean,
         "location": "string",
         "reportBuildStatus": boolean,
         "sourceIdentifier": "string",
         "type": "string"
      },
      "sourceVersion": "string",
      "startTime": number,
      "vpcConfig": {
         "securityGroupIds": [ "string" ],
         "subnets": [ "string" ],
         "vpcId": "string"
      }
```

```
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

buildBatch

Contains information about a batch build.

Type: BuildBatch object

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified AWS resource cannot be found.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

StopSandbox

Stops a sandbox.

Request Syntax

```
{
   "id": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

id

Information about the requested sandbox ID.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

Response Syntax

```
{
   "sandbox": {
      "arn": "string",
      "currentSession": {
         "currentPhase": "string",
         "endTime": number,
         "id": "string",
         "logs": {
```

```
            "cloudWatchLogs": {
               "groupName": "string",
               "status": "string",
               "streamName": "string"
            },
            "cloudWatchLogsArn": "string",
            "deepLink": "string",
            "groupName": "string",
            "s3DeepLink": "string",
            "s3Logs": {
               "bucketOwnerAccess": "string",
               "encryptionDisabled": boolean,
               "location": "string",
               "status": "string"
            },
            "s3LogsArn": "string",
            "streamName": "string"
         },
         "networkInterface": {
            "networkInterfaceId": "string",
            "subnetId": "string"
         },
         "phases": [
            {
               "contexts": [
                  {
                     "message": "string",
                     "statusCode": "string"
                  }
               ],
               "durationInSeconds": number,
               "endTime": number,
               "phaseStatus": "string",
               "phaseType": "string",
               "startTime": number
            }
         ],
         "resolvedSourceVersion": "string",
         "startTime": number,
         "status": "string"
      },
      "encryptionKey": "string",
      "endTime": number,
      "environment": {
```

```
         "certificate": "string",
         "computeConfiguration": {
            "disk": number,
            "instanceType": "string",
            "machineType": "string",
            "memory": number,
            "vCpu": number
         },
         "computeType": "string",
         "dockerServer": {
            "computeType": "string",
            "securityGroupIds": [ "string" ],
            "status": {
               "message": "string",
               "status": "string"
            }
         },
         "environmentVariables": [
            {
               "name": "string",
               "type": "string",
               "value": "string"
            }
         ],
         "fleet": {
            "fleetArn": "string"
         },
         "hostKernel": "string",
         "image": "string",
         "imagePullCredentialsType": "string",
         "privilegedMode": boolean,
         "registryCredential": {
            "credential": "string",
            "credentialProvider": "string"
         },
         "type": "string"
      },
      "fileSystemLocations": [
         {
            "identifier": "string",
            "location": "string",
            "mountOptions": "string",
            "mountPoint": "string",
            "type": "string"
```

```
            }
         ],
         "id": "string",
         "logConfig": {
            "cloudWatchLogs": {
               "groupName": "string",
               "status": "string",
               "streamName": "string"
            },
            "s3Logs": {
               "bucketOwnerAccess": "string",
               "encryptionDisabled": boolean,
               "location": "string",
               "status": "string"
            }
         },
         "projectName": "string",
         "queuedTimeoutInMinutes": number,
         "requestTime": number,
         "secondarySources": [
            {
               "auth": {
                  "resource": "string",
                  "type": "string"
               },
               "buildspec": "string",
               "buildStatusConfig": {
                  "context": "string",
                  "targetUrl": "string"
               },
               "gitCloneDepth": number,
               "gitSubmodulesConfig": {
                  "fetchSubmodules": boolean
               },
               "insecureSsl": boolean,
               "location": "string",
               "reportBuildStatus": boolean,
               "sourceIdentifier": "string",
               "type": "string"
            }
         ],
         "secondarySourceVersions": [
            {
               "sourceIdentifier": "string",
```

```
            "sourceVersion": "string"
         }
      ],
      "serviceRole": "string",
      "source": {
         "auth": {
            "resource": "string",
            "type": "string"
         },
         "buildspec": "string",
         "buildStatusConfig": {
            "context": "string",
            "targetUrl": "string"
         },
         "gitCloneDepth": number,
         "gitSubmodulesConfig": {
            "fetchSubmodules": boolean
         },
         "insecureSsl": boolean,
         "location": "string",
         "reportBuildStatus": boolean,
         "sourceIdentifier": "string",
         "type": "string"
      },
      "sourceVersion": "string",
      "startTime": number,
      "status": "string",
      "timeoutInMinutes": number,
      "vpcConfig": {
         "securityGroupIds": [ "string" ],
         "subnets": [ "string" ],
         "vpcId": "string"
      }
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

sandbox

Information about the requested sandbox.

Type: Sandbox object

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified AWS resource cannot be found.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateFleet

Updates a compute fleet.

Request Syntax

```
{
   "arn": "string",
   "baseCapacity": number,
   "computeConfiguration": {
      "disk": number,
      "instanceType": "string",
      "machineType": "string",
      "memory": number,
      "vCpu": number
   },
   "computeType": "string",
   "environmentType": "string",
   "fleetServiceRole": "string",
   "imageId": "string",
   "overflowBehavior": "string",
   "proxyConfiguration": {
      "defaultBehavior": "string",
      "orderedProxyRules": [
         {
            "effect": "string",
            "entities": [ "string" ],
            "type": "string"
         }
      ]
   },
   "scalingConfiguration": {
      "maxCapacity": number,
      "scalingType": "string",
      "targetTrackingScalingConfigs": [
         {
            "metricType": "string",
            "targetValue": number
         }
      ]
   },
   "tags": [
      {
```

```
            "key": "string",
            "value": "string"
        }
    ],
    "vpcConfig": {
        "securityGroupIds": [ "string" ],
        "subnets": [ "string" ],
        "vpcId": "string"
    }
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

arn

The ARN of the compute fleet.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

baseCapacity

The initial number of machines allocated to the compute fleet, which defines the number of builds that can run in parallel.

Type: Integer

Required: No

computeConfiguration

The compute configuration of the compute fleet. This is only required if `computeType` is set to `ATTRIBUTE_BASED_COMPUTE` or `CUSTOM_INSTANCE_TYPE`.

Type: ComputeConfiguration object

Required: No

computeType

Information about the compute resources the compute fleet uses. Available values include:

- `ATTRIBUTE_BASED_COMPUTE`: Specify the amount of vCPUs, memory, disk space, and the type of machine.

  > **Note**
  >
  > If you use `ATTRIBUTE_BASED_COMPUTE`, you must define your attributes by using `computeConfiguration`. CodeBuild will select the cheapest instance that satisfies your specified attributes. For more information, see Reserved capacity environment types in the *AWS CodeBuild User Guide*.

- `CUSTOM_INSTANCE_TYPE`: Specify the instance type for your compute fleet. For a list of supported instance types, see Supported instance families in the *AWS CodeBuild User Guide*.
- `BUILD_GENERAL1_SMALL`: Use up to 4 GiB memory and 2 vCPUs for builds.
- `BUILD_GENERAL1_MEDIUM`: Use up to 8 GiB memory and 4 vCPUs for builds.
- `BUILD_GENERAL1_LARGE`: Use up to 16 GiB memory and 8 vCPUs for builds, depending on your environment type.
- `BUILD_GENERAL1_XLARGE`: Use up to 72 GiB memory and 36 vCPUs for builds, depending on your environment type.
- `BUILD_GENERAL1_2XLARGE`: Use up to 144 GiB memory, 72 vCPUs, and 824 GB of SSD storage for builds. This compute type supports Docker images up to 100 GB uncompressed.
- `BUILD_LAMBDA_1GB`: Use up to 1 GiB memory for builds. Only available for environment type `LINUX_LAMBDA_CONTAINER` and `ARM_LAMBDA_CONTAINER`.
- `BUILD_LAMBDA_2GB`: Use up to 2 GiB memory for builds. Only available for environment type `LINUX_LAMBDA_CONTAINER` and `ARM_LAMBDA_CONTAINER`.
- `BUILD_LAMBDA_4GB`: Use up to 4 GiB memory for builds. Only available for environment type `LINUX_LAMBDA_CONTAINER` and `ARM_LAMBDA_CONTAINER`.
- `BUILD_LAMBDA_8GB`: Use up to 8 GiB memory for builds. Only available for environment type `LINUX_LAMBDA_CONTAINER` and `ARM_LAMBDA_CONTAINER`.

- BUILD_LAMBDA_10GB: Use up to 10 GiB memory for builds. Only available for environment type LINUX_LAMBDA_CONTAINER and ARM_LAMBDA_CONTAINER.

If you use BUILD_GENERAL1_SMALL:

- For environment type LINUX_CONTAINER, you can use up to 4 GiB memory and 2 vCPUs for builds.
- For environment type LINUX_GPU_CONTAINER, you can use up to 16 GiB memory, 4 vCPUs, and 1 NVIDIA A10G Tensor Core GPU for builds.
- For environment type ARM_CONTAINER, you can use up to 4 GiB memory and 2 vCPUs on ARM-based processors for builds.

If you use BUILD_GENERAL1_LARGE:

- For environment type LINUX_CONTAINER, you can use up to 16 GiB memory and 8 vCPUs for builds.
- For environment type LINUX_GPU_CONTAINER, you can use up to 255 GiB memory, 32 vCPUs, and 4 NVIDIA Tesla V100 GPUs for builds.
- For environment type ARM_CONTAINER, you can use up to 16 GiB memory and 8 vCPUs on ARM-based processors for builds.

For more information, see On-demand environment types in the *AWS CodeBuild User Guide.*

Type: String

Valid Values: BUILD_GENERAL1_SMALL | BUILD_GENERAL1_MEDIUM | BUILD_GENERAL1_LARGE | BUILD_GENERAL1_XLARGE | BUILD_GENERAL1_2XLARGE | BUILD_LAMBDA_1GB | BUILD_LAMBDA_2GB | BUILD_LAMBDA_4GB | BUILD_LAMBDA_8GB | BUILD_LAMBDA_10GB | ATTRIBUTE_BASED_COMPUTE | CUSTOM_INSTANCE_TYPE

Required: No

environmentType

The environment type of the compute fleet.

- The environment type ARM_CONTAINER is available only in regions US East (N. Virginia), US East (Ohio), US West (Oregon), EU (Ireland), Asia Pacific (Mumbai), Asia Pacific (Tokyo), Asia Pacific (Singapore), Asia Pacific (Sydney), EU (Frankfurt), and South America (São Paulo).

- The environment type `ARM_EC2` is available only in regions US East (N. Virginia), US East (Ohio), US West (Oregon), EU (Ireland), EU (Frankfurt), Asia Pacific (Tokyo), Asia Pacific (Singapore), Asia Pacific (Sydney), South America (São Paulo), and Asia Pacific (Mumbai).
- The environment type `LINUX_CONTAINER` is available only in regions US East (N. Virginia), US East (Ohio), US West (Oregon), EU (Ireland), EU (Frankfurt), Asia Pacific (Tokyo), Asia Pacific (Singapore), Asia Pacific (Sydney), South America (São Paulo), and Asia Pacific (Mumbai).
- The environment type `LINUX_EC2` is available only in regions US East (N. Virginia), US East (Ohio), US West (Oregon), EU (Ireland), EU (Frankfurt), Asia Pacific (Tokyo), Asia Pacific (Singapore), Asia Pacific (Sydney), South America (São Paulo), and Asia Pacific (Mumbai).
- The environment type `LINUX_GPU_CONTAINER` is available only in regions US East (N. Virginia), US East (Ohio), US West (Oregon), EU (Ireland), EU (Frankfurt), Asia Pacific (Tokyo), and Asia Pacific (Sydney).
- The environment type `MAC_ARM` is available for Medium fleets only in regions US East (N. Virginia), US East (Ohio), US West (Oregon), Asia Pacific (Sydney), and EU (Frankfurt)
- The environment type `MAC_ARM` is available for Large fleets only in regions US East (N. Virginia), US East (Ohio), US West (Oregon), and Asia Pacific (Sydney).
- The environment type `WINDOWS_EC2` is available only in regions US East (N. Virginia), US East (Ohio), US West (Oregon), EU (Ireland), EU (Frankfurt), Asia Pacific (Tokyo), Asia Pacific (Singapore), Asia Pacific (Sydney), South America (São Paulo), and Asia Pacific (Mumbai).
- The environment type `WINDOWS_SERVER_2019_CONTAINER` is available only in regions US East (N. Virginia), US East (Ohio), US West (Oregon), Asia Pacific (Sydney), Asia Pacific (Tokyo), Asia Pacific (Mumbai) and EU (Ireland).
- The environment type `WINDOWS_SERVER_2022_CONTAINER` is available only in regions US East (N. Virginia), US East (Ohio), US West (Oregon), EU (Ireland), EU (Frankfurt), Asia Pacific (Sydney), Asia Pacific (Singapore), Asia Pacific (Tokyo), South America (São Paulo) and Asia Pacific (Mumbai).

For more information, see Build environment compute types in the *AWS CodeBuild user guide*.

Type: String

Valid Values: `WINDOWS_CONTAINER | LINUX_CONTAINER | LINUX_GPU_CONTAINER | ARM_CONTAINER | WINDOWS_SERVER_2019_CONTAINER | WINDOWS_SERVER_2022_CONTAINER | LINUX_LAMBDA_CONTAINER | ARM_LAMBDA_CONTAINER | LINUX_EC2 | ARM_EC2 | WINDOWS_EC2 | MAC_ARM`

Required: No

fleetServiceRole

The service role associated with the compute fleet. For more information, see Allow a user to add a permission policy for a fleet service role in the *AWS CodeBuild User Guide*.

Type: String

Length Constraints: Minimum length of 1.

Required: No

imageId

The Amazon Machine Image (AMI) of the compute fleet.

Type: String

Length Constraints: Minimum length of 1.

Required: No

overflowBehavior

The compute fleet overflow behavior.

- For overflow behavior `QUEUE`, your overflow builds need to wait on the existing fleet instance to become available.
- For overflow behavior `ON_DEMAND`, your overflow builds run on CodeBuild on-demand.

> **Note**
>
> If you choose to set your overflow behavior to on-demand while creating a VPC-connected fleet, make sure that you add the required VPC permissions to your project service role. For more information, see Example policy statement to allow CodeBuild access to AWS services required to create a VPC network interface.

Type: String

Valid Values: `QUEUE | ON_DEMAND`

Required: No

proxyConfiguration

The proxy configuration of the compute fleet.

Type: ProxyConfiguration object

Required: No

scalingConfiguration

The scaling configuration of the compute fleet.

Type: ScalingConfigurationInput object

Required: No

tags

A list of tag key and value pairs associated with this compute fleet.

These tags are available for use by AWS services that support AWS CodeBuild build project tags.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 50 items.

Required: No

vpcConfig

Information about the VPC configuration that AWS CodeBuild accesses.

Type: VpcConfig object

Required: No

Response Syntax

```
{
   "fleet": {
      "arn": "string",
      "baseCapacity": number,
      "computeConfiguration": {
         "disk": number,
         "instanceType": "string",
         "machineType": "string",
```

```
            "memory": number,
            "vCpu": number
         },
         "computeType": "string",
         "created": number,
         "environmentType": "string",
         "fleetServiceRole": "string",
         "id": "string",
         "imageId": "string",
         "lastModified": number,
         "name": "string",
         "overflowBehavior": "string",
         "proxyConfiguration": {
            "defaultBehavior": "string",
            "orderedProxyRules": [
               {
                  "effect": "string",
                  "entities": [ "string" ],
                  "type": "string"
               }
            ]
         },
         "scalingConfiguration": {
            "desiredCapacity": number,
            "maxCapacity": number,
            "scalingType": "string",
            "targetTrackingScalingConfigs": [
               {
                  "metricType": "string",
                  "targetValue": number
               }
            ]
         },
         "status": {
            "context": "string",
            "message": "string",
            "statusCode": "string"
         },
         "tags": [
            {
               "key": "string",
               "value": "string"
            }
         ],
```

```
      "vpcConfig": {
         "securityGroupIds": [ "string" ],
         "subnets": [ "string" ],
         "vpcId": "string"
      }
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

fleet

A `Fleet` object.

Type: Fleet object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccountLimitExceededException

An AWS service limit was exceeded for the calling AWS account.

HTTP Status Code: 400

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified AWS resource cannot be found.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateProject

Changes the settings of a build project.

Request Syntax

```
{
   "artifacts": {
      "artifactIdentifier": "string",
      "bucketOwnerAccess": "string",
      "encryptionDisabled": boolean,
      "location": "string",
      "name": "string",
      "namespaceType": "string",
      "overrideArtifactName": boolean,
      "packaging": "string",
      "path": "string",
      "type": "string"
   },
   "autoRetryLimit": number,
   "badgeEnabled": boolean,
   "buildBatchConfig": {
      "batchReportMode": "string",
      "combineArtifacts": boolean,
      "restrictions": {
         "computeTypesAllowed": [ "string" ],
         "fleetsAllowed": [ "string" ],
         "maximumBuildsAllowed": number
      },
      "serviceRole": "string",
      "timeoutInMins": number
   },
   "cache": {
      "cacheNamespace": "string",
      "location": "string",
      "modes": [ "string" ],
      "type": "string"
   },
   "concurrentBuildLimit": number,
   "description": "string",
   "encryptionKey": "string",
   "environment": {
      "certificate": "string",
```

```
      "computeConfiguration": {
         "disk": number,
         "instanceType": "string",
         "machineType": "string",
         "memory": number,
         "vCpu": number
      },
      "computeType": "string",
      "dockerServer": {
         "computeType": "string",
         "securityGroupIds": [ "string" ],
         "status": {
            "message": "string",
            "status": "string"
         }
      },
      "environmentVariables": [
         {
            "name": "string",
            "type": "string",
            "value": "string"
         }
      ],
      "fleet": {
         "fleetArn": "string"
      },
      "hostKernel": "string",
      "image": "string",
      "imagePullCredentialsType": "string",
      "privilegedMode": boolean,
      "registryCredential": {
         "credential": "string",
         "credentialProvider": "string"
      },
      "type": "string"
   },
   "fileSystemLocations": [
      {
         "identifier": "string",
         "location": "string",
         "mountOptions": "string",
         "mountPoint": "string",
         "type": "string"
      }
```

```
    ],
    "logsConfig": {
       "cloudWatchLogs": {
          "groupName": "string",
          "status": "string",
          "streamName": "string"
       },
       "s3Logs": {
          "bucketOwnerAccess": "string",
          "encryptionDisabled": boolean,
          "location": "string",
          "status": "string"
       }
    },
    "name": "string",
    "queuedTimeoutInMinutes": number,
    "secondaryArtifacts": [
       {
          "artifactIdentifier": "string",
          "bucketOwnerAccess": "string",
          "encryptionDisabled": boolean,
          "location": "string",
          "name": "string",
          "namespaceType": "string",
          "overrideArtifactName": boolean,
          "packaging": "string",
          "path": "string",
          "type": "string"
       }
    ],
    "secondarySources": [
       {
          "auth": {
             "resource": "string",
             "type": "string"
          },
          "buildspec": "string",
          "buildStatusConfig": {
             "context": "string",
             "targetUrl": "string"
          },
          "gitCloneDepth": number,
          "gitSubmodulesConfig": {
             "fetchSubmodules": boolean
```

```
        },
        "insecureSsl": boolean,
        "location": "string",
        "reportBuildStatus": boolean,
        "sourceIdentifier": "string",
        "type": "string"
     }
  ],
  "secondarySourceVersions": [
     {
        "sourceIdentifier": "string",
        "sourceVersion": "string"
     }
  ],
  "serviceRole": "string",
  "source": {
     "auth": {
        "resource": "string",
        "type": "string"
     },
     "buildspec": "string",
     "buildStatusConfig": {
        "context": "string",
        "targetUrl": "string"
     },
     "gitCloneDepth": number,
     "gitSubmodulesConfig": {
        "fetchSubmodules": boolean
     },
     "insecureSsl": boolean,
     "location": "string",
     "reportBuildStatus": boolean,
     "sourceIdentifier": "string",
     "type": "string"
  },
  "sourceVersion": "string",
  "tags": [
     {
        "key": "string",
        "value": "string"
     }
  ],
  "timeoutInMinutes": number,
  "vpcConfig": {
```

```
        "securityGroupIds": [ "string" ],
        "subnets": [ "string" ],
        "vpcId": "string"
    }
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

name

The name of the build project.

> **Note**
>
> You cannot change a build project's name.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

artifacts

Information to be changed about the build output artifacts for the build project.

Type: ProjectArtifacts object

Required: No

autoRetryLimit

The maximum number of additional automatic retries after a failed build. For example, if the auto-retry limit is set to 2, CodeBuild will call the `RetryBuild` API to automatically retry your build for up to 2 additional times.

Type: Integer

Required: No

badgeEnabled

Set this to true to generate a publicly accessible URL for your project's build badge.

Type: Boolean

Required: No

buildBatchConfig

Contains configuration information about a batch build project.

Type: ProjectBuildBatchConfig object

Required: No

cache

Stores recently used information so that it can be quickly accessed at a later time.

Type: ProjectCache object

Required: No

concurrentBuildLimit

The maximum number of concurrent builds that are allowed for this project.

New builds are only started if the current number of builds is less than or equal to this limit. If the current build count meets this limit, new builds are throttled and are not run.

To remove this limit, set this value to -1.

Type: Integer

Required: No

description

A new or replacement description of the build project.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

encryptionKey

The AWS Key Management Service customer master key (CMK) to be used for encrypting the build output artifacts.

> **Note**
>
> You can use a cross-account KMS key to encrypt the build output artifacts if your service role has permission to that key.

You can specify either the Amazon Resource Name (ARN) of the CMK or, if available, the CMK's alias (using the format `alias/<alias-name>`).

Type: String

Length Constraints: Minimum length of 1.

Required: No

environment

Information to be changed about the build environment for the build project.

Type: ProjectEnvironment object

Required: No

fileSystemLocations

An array of `ProjectFileSystemLocation` objects for a CodeBuild build project. A `ProjectFileSystemLocation` object specifies the `identifier`, `location`, `mountOptions`, `mountPoint`, and `type` of a file system created using Amazon Elastic File System.

Type: Array of ProjectFileSystemLocation objects

Required: No

logsConfig

Information about logs for the build project. A project can create logs in CloudWatch Logs, logs in an S3 bucket, or both.

Type: LogsConfig object

Required: No

queuedTimeoutInMinutes

The number of minutes a build is allowed to be queued before it times out.

Type: Integer

Valid Range: Minimum value of 5. Maximum value of 480.

Required: No

secondaryArtifacts

An array of `ProjectArtifact` objects.

Type: Array of ProjectArtifacts objects

Array Members: Minimum number of 0 items. Maximum number of 12 items.

Required: No

secondarySources

An array of `ProjectSource` objects.

Type: Array of ProjectSource objects

Array Members: Minimum number of 0 items. Maximum number of 12 items.

Required: No

secondarySourceVersions

An array of `ProjectSourceVersion` objects. If `secondarySourceVersions` is specified at the build level, then they take over these `secondarySourceVersions` (at the project level).

Type: Array of ProjectSourceVersion objects

Array Members: Minimum number of 0 items. Maximum number of 12 items.

Required: No

serviceRole

The replacement ARN of the IAM role that enables AWS CodeBuild to interact with dependent AWS services on behalf of the AWS account.

Type: String

Length Constraints: Minimum length of 1.

Required: No

source

Information to be changed about the build input source code for the build project.

Type: ProjectSource object

Required: No

sourceVersion

A version of the build input to be built for this project. If not specified, the latest version is used. If specified, it must be one of:

- For CodeCommit: the commit ID, branch, or Git tag to use.
- For GitHub: the commit ID, pull request ID, branch name, or tag name that corresponds to the version of the source code you want to build. If a pull request ID is specified, it must use the format `pr/pull-request-ID` (for example `pr/25`). If a branch name is specified, the branch's HEAD commit ID is used. If not specified, the default branch's HEAD commit ID is used.
- For GitLab: the commit ID, branch, or Git tag to use.
- For Bitbucket: the commit ID, branch name, or tag name that corresponds to the version of the source code you want to build. If a branch name is specified, the branch's HEAD commit ID is used. If not specified, the default branch's HEAD commit ID is used.
- For Amazon S3: the version ID of the object that represents the build input ZIP file to use.

If `sourceVersion` is specified at the build level, then that version takes precedence over this `sourceVersion` (at the project level).

For more information, see Source Version Sample with CodeBuild in the *AWS CodeBuild User Guide*.

Type: String

Required: No

tags

An updated list of tag key and value pairs associated with this build project.

These tags are available for use by AWS services that support AWS CodeBuild build project tags.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 50 items.

Required: No

timeoutInMinutes

The replacement value in minutes, from 5 to 2160 (36 hours), for AWS CodeBuild to wait before timing out any related build that did not get marked as completed.

Type: Integer

Valid Range: Minimum value of 5. Maximum value of 2160.

Required: No

vpcConfig

VpcConfig enables AWS CodeBuild to access resources in an Amazon VPC.

Type: VpcConfig object

Required: No

Response Syntax

```
{
   "project": {
      "arn": "string",
      "artifacts": {
         "artifactIdentifier": "string",
         "bucketOwnerAccess": "string",
         "encryptionDisabled": boolean,
         "location": "string",
         "name": "string",
```

```
            "namespaceType": "string",
            "overrideArtifactName": boolean,
            "packaging": "string",
            "path": "string",
            "type": "string"
         },
         "autoRetryLimit": number,
         "badge": {
            "badgeEnabled": boolean,
            "badgeRequestUrl": "string"
         },
         "buildBatchConfig": {
            "batchReportMode": "string",
            "combineArtifacts": boolean,
            "restrictions": {
               "computeTypesAllowed": [ "string" ],
               "fleetsAllowed": [ "string" ],
               "maximumBuildsAllowed": number
            },
            "serviceRole": "string",
            "timeoutInMins": number
         },
         "cache": {
            "cacheNamespace": "string",
            "location": "string",
            "modes": [ "string" ],
            "type": "string"
         },
         "concurrentBuildLimit": number,
         "created": number,
         "description": "string",
         "encryptionKey": "string",
         "environment": {
            "certificate": "string",
            "computeConfiguration": {
               "disk": number,
               "instanceType": "string",
               "machineType": "string",
               "memory": number,
               "vCpu": number
            },
            "computeType": "string",
            "dockerServer": {
               "computeType": "string",
```

```
            "securityGroupIds": [ "string" ],
            "status": {
               "message": "string",
               "status": "string"
            }
         },
         "environmentVariables": [
            {
               "name": "string",
               "type": "string",
               "value": "string"
            }
         ],
         "fleet": {
            "fleetArn": "string"
         },
         "hostKernel": "string",
         "image": "string",
         "imagePullCredentialsType": "string",
         "privilegedMode": boolean,
         "registryCredential": {
            "credential": "string",
            "credentialProvider": "string"
         },
         "type": "string"
      },
      "fileSystemLocations": [
         {
            "identifier": "string",
            "location": "string",
            "mountOptions": "string",
            "mountPoint": "string",
            "type": "string"
         }
      ],
      "lastModified": number,
      "logsConfig": {
         "cloudWatchLogs": {
            "groupName": "string",
            "status": "string",
            "streamName": "string"
         },
         "s3Logs": {
            "bucketOwnerAccess": "string",
```

```
            "encryptionDisabled": boolean,
            "location": "string",
            "status": "string"
         }
      },
      "name": "string",
      "projectVisibility": "string",
      "publicProjectAlias": "string",
      "queuedTimeoutInMinutes": number,
      "resourceAccessRole": "string",
      "secondaryArtifacts": [
         {
            "artifactIdentifier": "string",
            "bucketOwnerAccess": "string",
            "encryptionDisabled": boolean,
            "location": "string",
            "name": "string",
            "namespaceType": "string",
            "overrideArtifactName": boolean,
            "packaging": "string",
            "path": "string",
            "type": "string"
         }
      ],
      "secondarySources": [
         {
            "auth": {
               "resource": "string",
               "type": "string"
            },
            "buildspec": "string",
            "buildStatusConfig": {
               "context": "string",
               "targetUrl": "string"
            },
            "gitCloneDepth": number,
            "gitSubmodulesConfig": {
               "fetchSubmodules": boolean
            },
            "insecureSsl": boolean,
            "location": "string",
            "reportBuildStatus": boolean,
            "sourceIdentifier": "string",
            "type": "string"
```

```
            }
         ],
         "secondarySourceVersions": [
            {
               "sourceIdentifier": "string",
               "sourceVersion": "string"
            }
         ],
         "serviceRole": "string",
         "source": {
            "auth": {
               "resource": "string",
               "type": "string"
            },
            "buildspec": "string",
            "buildStatusConfig": {
               "context": "string",
               "targetUrl": "string"
            },
            "gitCloneDepth": number,
            "gitSubmodulesConfig": {
               "fetchSubmodules": boolean
            },
            "insecureSsl": boolean,
            "location": "string",
            "reportBuildStatus": boolean,
            "sourceIdentifier": "string",
            "type": "string"
         },
         "sourceVersion": "string",
         "tags": [
            {
               "key": "string",
               "value": "string"
            }
         ],
         "timeoutInMinutes": number,
         "vpcConfig": {
            "securityGroupIds": [ "string" ],
            "subnets": [ "string" ],
            "vpcId": "string"
         },
         "webhook": {
            "branchFilter": "string",
```

```
         "buildType": "string",
         "filterGroups": [
            [
               {
                  "excludeMatchedPattern": boolean,
                  "pattern": "string",
                  "type": "string"
               }
            ]
         ],
         "lastModifiedSecret": number,
         "manualCreation": boolean,
         "payloadUrl": "string",
         "pullRequestBuildPolicy": {
            "approverRoles": [ "string" ],
            "requiresCommentApproval": "string"
         },
         "scopeConfiguration": {
            "domain": "string",
            "name": "string",
            "scope": "string"
         },
         "secret": "string",
         "status": "string",
         "statusMessage": "string",
         "url": "string"
      }
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

project

Information about the build project that was changed.

Type: Project object

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified AWS resource cannot be found.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateProjectVisibility

Changes the public visibility for a project. The project's build results, logs, and artifacts are available to the general public. For more information, see Public build projects in the *AWS CodeBuild User Guide*.

Important

The following should be kept in mind when making your projects public:

- All of a project's build results, logs, and artifacts, including builds that were run when the project was private, are available to the general public.
- All build logs and artifacts are available to the public. Environment variables, source code, and other sensitive information may have been output to the build logs and artifacts. You must be careful about what information is output to the build logs. Some best practice are:
  - Do not store sensitive values in environment variables. We recommend that you use an Amazon EC2 Systems Manager Parameter Store or AWS Secrets Manager to store sensitive values.
  - Follow Best practices for using webhooks in the *AWS CodeBuild User Guide* to limit which entities can trigger a build, and do not store the buildspec in the project itself, to ensure that your webhooks are as secure as possible.
- A malicious user can use public builds to distribute malicious artifacts. We recommend that you review all pull requests to verify that the pull request is a legitimate change. We also recommend that you validate any artifacts with their checksums to make sure that the correct artifacts are being downloaded.

Request Syntax

```
{
   "projectArn": "string",
   "projectVisibility": "string",
   "resourceAccessRole": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

projectArn

The Amazon Resource Name (ARN) of the build project.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

projectVisibility

Specifies the visibility of the project's builds. Possible values are:

PUBLIC_READ

The project builds are visible to the public.

PRIVATE

The project builds are not visible to the public.

Type: String

Valid Values: `PUBLIC_READ | PRIVATE`

Required: Yes

resourceAccessRole

The ARN of the IAM role that enables CodeBuild to access the CloudWatch Logs and Amazon S3 artifacts for the project's builds.

Type: String

Length Constraints: Minimum length of 1.

Required: No

Response Syntax

```
{
   "projectArn": "string",
   "projectVisibility": "string",
   "publicProjectAlias": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

projectArn

The Amazon Resource Name (ARN) of the build project.

Type: String

Length Constraints: Minimum length of 1.

projectVisibility

Specifies the visibility of the project's builds. Possible values are:

PUBLIC_READ

The project builds are visible to the public.

PRIVATE

The project builds are not visible to the public.

Type: String

Valid Values: `PUBLIC_READ | PRIVATE`

publicProjectAlias

Contains the project identifier used with the public build APIs.

For more information, see Public build.

Type: String

Length Constraints: Minimum length of 1.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified AWS resource cannot be found.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateReportGroup

Updates a report group.

Request Syntax

```
{
   "arn": "string",
   "exportConfig": {
      "exportConfigType": "string",
      "s3Destination": {
         "bucket": "string",
         "bucketOwner": "string",
         "encryptionDisabled": boolean,
         "encryptionKey": "string",
         "packaging": "string",
         "path": "string"
      }
   },
   "tags": [
      {
         "key": "string",
         "value": "string"
      }
   ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

arn

The ARN of the report group to update.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

exportConfig

Used to specify an updated export type. Valid values are:

- S3: The report results are exported to an S3 bucket.
- NO_EXPORT: The report results are not exported.

Type: ReportExportConfig object

Required: No

tags

An updated list of tag key and value pairs associated with this report group.

These tags are available for use by AWS services that support AWS CodeBuild report group tags.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 50 items.

Required: No

Response Syntax

```
{
   "reportGroup": {
      "arn": "string",
      "created": number,
      "exportConfig": {
         "exportConfigType": "string",
         "s3Destination": {
            "bucket": "string",
            "bucketOwner": "string",
            "encryptionDisabled": boolean,
            "encryptionKey": "string",
            "packaging": "string",
```

```
            "path": "string"
         }
      },
      "lastModified": number,
      "name": "string",
      "status": "string",
      "tags": [
         {
            "key": "string",
            "value": "string"
         }
      ],
      "type": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

reportGroup

Information about the updated report group.

Type: ReportGroup object

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified AWS resource cannot be found.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateWebhook

Updates the webhook associated with an AWS CodeBuild build project.

> **Note**
>
> If you use Bitbucket for your repository, `rotateSecret` is ignored.

Request Syntax

```
{
   "branchFilter": "string",
   "buildType": "string",
   "filterGroups": [
      [
         {
            "excludeMatchedPattern": boolean,
            "pattern": "string",
            "type": "string"
         }
      ]
   ],
   "projectName": "string",
   "pullRequestBuildPolicy": {
      "approverRoles": [ "string" ],
      "requiresCommentApproval": "string"
   },
   "rotateSecret": boolean
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

> **Note**
>
> In the following list, the required parameters are described first.

projectName

The name of the AWS CodeBuild project.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 150.

Pattern: `[A-Za-z0-9][A-Za-z0-9\-_]{1,149}`

Required: Yes

branchFilter

A regular expression used to determine which repository branches are built when a webhook is triggered. If the name of a branch matches the regular expression, then it is built. If `branchFilter` is empty, then all branches are built.

> **Note**
>
> It is recommended that you use `filterGroups` instead of `branchFilter`.

Type: String

Required: No

buildType

Specifies the type of build this webhook will trigger.

> **Note**
>
> `RUNNER_BUILDKITE_BUILD` is only available for `NO_SOURCE` source type projects configured for Buildkite runner builds. For more information about CodeBuild-hosted Buildkite runner builds, see Tutorial: Configure a CodeBuild-hosted Buildkite runner in the *AWS CodeBuild user guide*.

Type: String

Valid Values: `BUILD | BUILD_BATCH | RUNNER_BUILDKITE_BUILD`

Required: No

filterGroups

An array of arrays of `WebhookFilter` objects used to determine if a webhook event can trigger a build. A filter group must contain at least one `EVENT` `WebhookFilter`.

Type: Array of arrays of WebhookFilter objects

Required: No

pullRequestBuildPolicy

A PullRequestBuildPolicy object that defines comment-based approval requirements for triggering builds on pull requests. This policy helps control when automated builds are executed based on contributor permissions and approval workflows.

Type: PullRequestBuildPolicy object

Required: No

rotateSecret

A boolean value that specifies whether the associated GitHub repository's secret token should be updated. If you use Bitbucket for your repository, `rotateSecret` is ignored.

Type: Boolean

Required: No

Response Syntax

```
{
   "webhook": {
      "branchFilter": "string",
      "buildType": "string",
      "filterGroups": [
         [
            {
               "excludeMatchedPattern": boolean,
               "pattern": "string",
               "type": "string"
            }
```

```
            ]
         ],
         "lastModifiedSecret": number,
         "manualCreation": boolean,
         "payloadUrl": "string",
         "pullRequestBuildPolicy": {
            "approverRoles": [ "string" ],
            "requiresCommentApproval": "string"
         },
         "scopeConfiguration": {
            "domain": "string",
            "name": "string",
            "scope": "string"
         },
         "secret": "string",
         "status": "string",
         "statusMessage": "string",
         "url": "string"
      }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

webhook

Information about a repository's webhook that is associated with a project in AWS CodeBuild.

Type: Webhook object

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidInputException

The input value that was provided is not valid.

HTTP Status Code: 400

OAuthProviderException

There was a problem with the underlying OAuth provider.

HTTP Status Code: 400

ResourceNotFoundException

The specified AWS resource cannot be found.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

Data Types

The AWS CodeBuild API contains several data types that various actions use. This section describes each data type in detail.

> **Note**
>
> The order of each element in a data type structure is not guaranteed. Applications should not assume a particular order.

The following data types are supported:

- AutoRetryConfig
- BatchRestrictions
- Build
- BuildArtifacts
- BuildBatch
- BuildBatchFilter
- BuildBatchPhase
- BuildGroup
- BuildNotDeleted
- BuildPhase
- BuildStatusConfig
- BuildSummary
- CloudWatchLogsConfig
- CodeCoverage
- CodeCoverageReportSummary
- CommandExecution
- ComputeConfiguration
- DebugSession
- DockerServer
- DockerServerStatus

- EnvironmentImage
- EnvironmentLanguage
- EnvironmentPlatform
- EnvironmentVariable
- ExportedEnvironmentVariable
- Fleet
- FleetProxyRule
- FleetStatus
- GitSubmodulesConfig
- LogsConfig
- LogsLocation
- NetworkInterface
- PhaseContext
- Project
- ProjectArtifacts
- ProjectBadge
- ProjectBuildBatchConfig
- ProjectCache
- ProjectEnvironment
- ProjectFileSystemLocation
- ProjectFleet
- ProjectSource
- ProjectSourceVersion
- ProxyConfiguration
- PullRequestBuildPolicy
- RegistryCredential
- Report
- ReportExportConfig
- ReportFilter
- ReportGroup

- ReportGroupTrendStats
- ReportWithRawData
- ResolvedArtifact
- S3LogsConfig
- S3ReportExportConfig
- Sandbox
- SandboxSession
- SandboxSessionPhase
- ScalingConfigurationInput
- ScalingConfigurationOutput
- ScopeConfiguration
- SourceAuth
- SourceCredentialsInfo
- SSMSession
- Tag
- TargetTrackingScalingConfiguration
- TestCase
- TestCaseFilter
- TestReportSummary
- VpcConfig
- Webhook
- WebhookFilter

AutoRetryConfig

Information about the auto-retry configuration for the build.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

autoRetryLimit

The maximum number of additional automatic retries after a failed build. For example, if the auto-retry limit is set to 2, CodeBuild will call the `RetryBuild` API to automatically retry your build for up to 2 additional times.

Type: Integer

Required: No

autoRetryNumber

The number of times that the build has been retried. The initial build will have an auto-retry number of 0.

Type: Integer

Required: No

nextAutoRetry

The build ARN of the auto-retried build triggered by the current build. The next auto-retry will be `null` for builds that don't trigger an auto-retry.

Type: String

Required: No

previousAutoRetry

The build ARN of the build that triggered the current auto-retry build. The previous auto-retry will be `null` for the initial build.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BatchRestrictions

Specifies restrictions for the batch build.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

computeTypesAllowed

An array of strings that specify the compute types that are allowed for the batch build. See Build environment compute types in the *AWS CodeBuild User Guide* for these values.

Type: Array of strings

Length Constraints: Minimum length of 1.

Required: No

fleetsAllowed

An array of strings that specify the fleets that are allowed for the batch build. See Run builds on reserved capacity fleets in the *AWS CodeBuild User Guide* for more information.

Type: Array of strings

Length Constraints: Minimum length of 1.

Required: No

maximumBuildsAllowed

Specifies the maximum number of builds allowed.

Type: Integer

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Build

Information about a build.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

arn

The Amazon Resource Name (ARN) of the build.

Type: String

Length Constraints: Minimum length of 1.

Required: No

artifacts

Information about the output artifacts for the build.

Type: BuildArtifacts object

Required: No

autoRetryConfig

Information about the auto-retry configuration for the build.

Type: AutoRetryConfig object

Required: No

buildBatchArn

The ARN of the batch build that this build is a member of, if applicable.

Type: String

Required: No

buildComplete

Whether the build is complete. True if complete; otherwise, false.

Type: Boolean

Required: No

buildNumber

The number of the build. For each project, the `buildNumber` of its first build is 1. The `buildNumber` of each subsequent build is incremented by 1. If a build is deleted, the `buildNumber` of other builds does not change.

Type: Long

Required: No

buildStatus

The current status of the build. Valid values include:

- `FAILED`: The build failed.
- `FAULT`: The build faulted.
- `IN_PROGRESS`: The build is still in progress.
- `STOPPED`: The build stopped.
- `SUCCEEDED`: The build succeeded.
- `TIMED_OUT`: The build timed out.

Type: String

Valid Values: `SUCCEEDED | FAILED | FAULT | TIMED_OUT | IN_PROGRESS | STOPPED`

Required: No

cache

Information about the cache for the build.

Type: ProjectCache object

Required: No

currentPhase

The current build phase.

Type: String

Required: No

debugSession

Contains information about the debug session for this build.

Type: DebugSession object

Required: No

encryptionKey

The AWS Key Management Service customer master key (CMK) to be used for encrypting the build output artifacts.

> **Note**
>
> You can use a cross-account KMS key to encrypt the build output artifacts if your service role has permission to that key.

You can specify either the Amazon Resource Name (ARN) of the CMK or, if available, the CMK's alias (using the format `alias/<alias-name>`).

Type: String

Length Constraints: Minimum length of 1.

Required: No

endTime

When the build process ended, expressed in Unix time format.

Type: Timestamp

Required: No

environment

Information about the build environment for this build.

Type: ProjectEnvironment object

Required: No

exportedEnvironmentVariables

A list of exported environment variables for this build.

Exported environment variables are used in conjunction with CodePipeline to export environment variables from the current build stage to subsequent stages in the pipeline. For more information, see Working with variables in the *CodePipeline User Guide*.

Type: Array of ExportedEnvironmentVariable objects

Required: No

fileSystemLocations

An array of `ProjectFileSystemLocation` objects for a CodeBuild build project. A `ProjectFileSystemLocation` object specifies the `identifier`, `location`, `mountOptions`, `mountPoint`, and `type` of a file system created using Amazon Elastic File System.

Type: Array of ProjectFileSystemLocation objects

Required: No

id

The unique ID for the build.

Type: String

Length Constraints: Minimum length of 1.

Required: No

initiator

The entity that started the build. Valid values include:

- If CodePipeline started the build, the pipeline's name (for example, `codepipeline/my-demo-pipeline`).

- If a user started the build, the user's name (for example, `MyUserName`).
- If the Jenkins plugin for AWS CodeBuild started the build, the string `CodeBuild-Jenkins-Plugin`.

Type: String

Required: No

logs

Information about the build's logs in CloudWatch Logs.

Type: LogsLocation object

Required: No

networkInterface

Describes a network interface.

Type: NetworkInterface object

Required: No

phases

Information about all previous build phases that are complete and information about any current build phase that is not yet complete.

Type: Array of BuildPhase objects

Required: No

projectName

The name of the AWS CodeBuild project.

Type: String

Length Constraints: Minimum length of 1.

Required: No

queuedTimeoutInMinutes

The number of minutes a build is allowed to be queued before it times out.

Type: Integer

Required: No

reportArns

An array of the ARNs associated with this build's reports.

Type: Array of strings

Required: No

resolvedSourceVersion

An identifier for the version of this build's source code.

- For CodeCommit, GitHub, GitHub Enterprise, and BitBucket, the commit ID.
- For CodePipeline, the source revision provided by CodePipeline.
- For Amazon S3, this does not apply.

Type: String

Length Constraints: Minimum length of 1.

Required: No

secondaryArtifacts

An array of `ProjectArtifacts` objects.

Type: Array of BuildArtifacts objects

Array Members: Minimum number of 0 items. Maximum number of 12 items.

Required: No

secondarySources

An array of `ProjectSource` objects.

Type: Array of ProjectSource objects

Array Members: Minimum number of 0 items. Maximum number of 12 items.

Required: No

secondarySourceVersions

An array of `ProjectSourceVersion` objects. Each `ProjectSourceVersion` must be one of:

- For CodeCommit: the commit ID, branch, or Git tag to use.
- For GitHub: the commit ID, pull request ID, branch name, or tag name that corresponds to the version of the source code you want to build. If a pull request ID is specified, it must use the format `pr/pull-request-ID` (for example, `pr/25`). If a branch name is specified, the branch's HEAD commit ID is used. If not specified, the default branch's HEAD commit ID is used.
- For Bitbucket: the commit ID, branch name, or tag name that corresponds to the version of the source code you want to build. If a branch name is specified, the branch's HEAD commit ID is used. If not specified, the default branch's HEAD commit ID is used.
- For Amazon S3: the version ID of the object that represents the build input ZIP file to use.

Type: Array of ProjectSourceVersion objects

Array Members: Minimum number of 0 items. Maximum number of 12 items.

Required: No

serviceRole

The name of a service role used for this build.

Type: String

Length Constraints: Minimum length of 1.

Required: No

source

Information about the source code to be built.

Type: ProjectSource object

Required: No

sourceVersion

Any version identifier for the version of the source code to be built. If `sourceVersion` is specified at the project level, then this `sourceVersion` (at the build level) takes precedence.

For more information, see Source Version Sample with CodeBuild in the *AWS CodeBuild User Guide*.

Type: String

Length Constraints: Minimum length of 1.

Required: No

startTime

When the build process started, expressed in Unix time format.

Type: Timestamp

Required: No

timeoutInMinutes

How long, in minutes, from 5 to 2160 (36 hours), for AWS CodeBuild to wait before timing out this build if it does not get marked as completed.

Type: Integer

Required: No

vpcConfig

If your AWS CodeBuild project accesses resources in an Amazon VPC, you provide this parameter that identifies the VPC ID and the list of security group IDs and subnet IDs. The security groups and subnets must belong to the same VPC. You must provide at least one security group and one subnet ID.

Type: VpcConfig object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

BuildArtifacts

Information about build output artifacts.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

artifactIdentifier

An identifier for this artifact definition.

Type: String

Required: No

bucketOwnerAccess

Specifies the bucket owner's access for objects that another account uploads to their Amazon S3 bucket. By default, only the account that uploads the objects to the bucket has access to these objects. This property allows you to give the bucket owner access to these objects.

> **Note**
>
> To use this property, your CodeBuild service role must have the `s3:PutBucketAcl` permission. This permission allows CodeBuild to modify the access control list for the bucket.

This property can be one of the following values:

NONE

The bucket owner does not have access to the objects. This is the default.

READ_ONLY

The bucket owner has read-only access to the objects. The uploading account retains ownership of the objects.

FULL

The bucket owner has full access to the objects. Object ownership is determined by the following criteria:

- If the bucket is configured with the **Bucket owner preferred** setting, the bucket owner owns the objects. The uploading account will have object access as specified by the bucket's policy.
- Otherwise, the uploading account retains ownership of the objects.

For more information about Amazon S3 object ownership, see Controlling ownership of uploaded objects using S3 Object Ownership in the *Amazon Simple Storage Service User Guide*.

Type: String

Valid Values: `NONE | READ_ONLY | FULL`

Required: No

encryptionDisabled

Information that tells you if encryption for build artifacts is disabled.

Type: Boolean

Required: No

location

Information about the location of the build artifacts.

Type: String

Required: No

md5sum

The MD5 hash of the build artifact.

You can use this hash along with a checksum tool to confirm file integrity and authenticity.

> **Note**
>
> This value is available only if the build project's `packaging` value is set to `ZIP`.

Type: String

Required: No

overrideArtifactName

If this flag is set, a name specified in the buildspec file overrides the artifact name. The name specified in a buildspec file is calculated at build time and uses the Shell Command Language. For example, you can append a date and time to your artifact name so that it is always unique.

Type: Boolean

Required: No

sha256sum

The SHA-256 hash of the build artifact.

You can use this hash along with a checksum tool to confirm file integrity and authenticity.

> **Note**
>
> This value is available only if the build project's `packaging` value is set to `ZIP`.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BuildBatch

Contains information about a batch build.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

arn

The ARN of the batch build.

Type: String

Length Constraints: Minimum length of 1.

Required: No

artifacts

A `BuildArtifacts` object the defines the build artifacts for this batch build.

Type: BuildArtifacts object

Required: No

buildBatchConfig

Contains configuration information about a batch build project.

Type: ProjectBuildBatchConfig object

Required: No

buildBatchNumber

The number of the batch build. For each project, the `buildBatchNumber` of its first batch build is 1. The `buildBatchNumber` of each subsequent batch build is incremented by 1. If a batch build is deleted, the `buildBatchNumber` of other batch builds does not change.

Type: Long

Required: No

buildBatchStatus

The status of the batch build.

Type: String

Valid Values: `SUCCEEDED | FAILED | FAULT | TIMED_OUT | IN_PROGRESS | STOPPED`

Required: No

buildGroups

An array of `BuildGroup` objects that define the build groups for the batch build.

Type: Array of BuildGroup objects

Required: No

buildTimeoutInMinutes

Specifies the maximum amount of time, in minutes, that the build in a batch must be completed in.

Type: Integer

Required: No

cache

Information about the cache for the build project.

Type: ProjectCache object

Required: No

complete

Indicates if the batch build is complete.

Type: Boolean

Required: No

currentPhase

The current phase of the batch build.

Type: String

Required: No

debugSessionEnabled

Specifies if session debugging is enabled for this batch build. For more information, see Viewing a running build in Session Manager. Batch session debugging is not supported for matrix batch builds.

Type: Boolean

Required: No

encryptionKey

The AWS Key Management Service customer master key (CMK) to be used for encrypting the batch build output artifacts.

> **Note**
>
> You can use a cross-account KMS key to encrypt the build output artifacts if your service role has permission to that key.

You can specify either the Amazon Resource Name (ARN) of the CMK or, if available, the CMK's alias (using the format `alias/<alias-name>`).

Type: String

Length Constraints: Minimum length of 1.

Required: No

endTime

The date and time that the batch build ended.

Type: Timestamp

Required: No

environment

Information about the build environment of the build project.

Type: ProjectEnvironment object

Required: No

fileSystemLocations

An array of `ProjectFileSystemLocation` objects for the batch build project. A `ProjectFileSystemLocation` object specifies the `identifier`, `location`, `mountOptions`, `mountPoint`, and `type` of a file system created using Amazon Elastic File System.

Type: Array of ProjectFileSystemLocation objects

Required: No

id

The identifier of the batch build.

Type: String

Length Constraints: Minimum length of 1.

Required: No

initiator

The entity that started the batch build. Valid values include:

- If CodePipeline started the build, the pipeline's name (for example, `codepipeline/my-demo-pipeline`).
- If a user started the build, the user's name.
- If the Jenkins plugin for AWS CodeBuild started the build, the string `CodeBuild-Jenkins-Plugin`.

Type: String

Required: No

logConfig

Information about logs for a build project. These can be logs in CloudWatch Logs, built in a specified S3 bucket, or both.

Type: LogsConfig object

Required: No

phases

An array of `BuildBatchPhase` objects the specify the phases of the batch build.

Type: Array of BuildBatchPhase objects

Required: No

projectName

The name of the batch build project.

Type: String

Length Constraints: Minimum length of 1.

Required: No

queuedTimeoutInMinutes

Specifies the amount of time, in minutes, that the batch build is allowed to be queued before it times out.

Type: Integer

Required: No

reportArns

An array that contains the ARNs of reports created by merging reports from builds associated with this batch build.

Type: Array of strings

Required: No

resolvedSourceVersion

The identifier of the resolved version of this batch build's source code.

- For CodeCommit, GitHub, GitHub Enterprise, and BitBucket, the commit ID.
- For CodePipeline, the source revision provided by CodePipeline.
- For Amazon S3, this does not apply.

Type: String

Length Constraints: Minimum length of 1.

Required: No

secondaryArtifacts

An array of `BuildArtifacts` objects the define the build artifacts for this batch build.

Type: Array of BuildArtifacts objects

Array Members: Minimum number of 0 items. Maximum number of 12 items.

Required: No

secondarySources

An array of `ProjectSource` objects that define the sources for the batch build.

Type: Array of ProjectSource objects

Array Members: Minimum number of 0 items. Maximum number of 12 items.

Required: No

secondarySourceVersions

An array of `ProjectSourceVersion` objects. Each `ProjectSourceVersion` must be one of:

- For CodeCommit: the commit ID, branch, or Git tag to use.
- For GitHub: the commit ID, pull request ID, branch name, or tag name that corresponds to the version of the source code you want to build. If a pull request ID is specified, it must use the format `pr/pull-request-ID` (for example, `pr/25`). If a branch name is specified, the branch's HEAD commit ID is used. If not specified, the default branch's HEAD commit ID is used.
- For Bitbucket: the commit ID, branch name, or tag name that corresponds to the version of the source code you want to build. If a branch name is specified, the branch's HEAD commit ID is used. If not specified, the default branch's HEAD commit ID is used.
- For Amazon S3: the version ID of the object that represents the build input ZIP file to use.

Type: Array of ProjectSourceVersion objects

Array Members: Minimum number of 0 items. Maximum number of 12 items.

Required: No

serviceRole

The name of a service role used for builds in the batch.

Type: String

Length Constraints: Minimum length of 1.

Required: No

source

Information about the build input source code for the build project.

Type: ProjectSource object

Required: No

sourceVersion

The identifier of the version of the source code to be built.

Type: String

Length Constraints: Minimum length of 1.

Required: No

startTime

The date and time that the batch build started.

Type: Timestamp

Required: No

vpcConfig

Information about the VPC configuration that AWS CodeBuild accesses.

Type: VpcConfig object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BuildBatchFilter

Specifies filters when retrieving batch builds.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

status

The status of the batch builds to retrieve. Only batch builds that have this status will be retrieved.

Type: String

Valid Values: `SUCCEEDED | FAILED | FAULT | TIMED_OUT | IN_PROGRESS | STOPPED`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BuildBatchPhase

Contains information about a stage for a batch build.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

contexts

Additional information about the batch build phase. Especially to help troubleshoot a failed batch build.

Type: Array of PhaseContext objects

Required: No

durationInSeconds

How long, in seconds, between the starting and ending times of the batch build's phase.

Type: Long

Required: No

endTime

When the batch build phase ended, expressed in Unix time format.

Type: Timestamp

Required: No

phaseStatus

The current status of the batch build phase. Valid values include:

FAILED

The build phase failed.

FAULT

The build phase faulted.

IN_PROGRESS

The build phase is still in progress.

STOPPED

The build phase stopped.

SUCCEEDED

The build phase succeeded.

TIMED_OUT

The build phase timed out.

Type: String

Valid Values: `SUCCEEDED | FAILED | FAULT | TIMED_OUT | IN_PROGRESS | STOPPED`

Required: No

phaseType

The name of the batch build phase. Valid values include:

COMBINE_ARTIFACTS

Build output artifacts are being combined and uploaded to the output location.

DOWNLOAD_BATCHSPEC

The batch build specification is being downloaded.

FAILED

One or more of the builds failed.

IN_PROGRESS

The batch build is in progress.

STOPPED

The batch build was stopped.

SUBMITTED

The btach build has been submitted.

SUCCEEDED

The batch build succeeded.

Type: String

Valid Values: `SUBMITTED | DOWNLOAD_BATCHSPEC | IN_PROGRESS | COMBINE_ARTIFACTS | SUCCEEDED | FAILED | STOPPED`

Required: No

startTime

When the batch build phase started, expressed in Unix time format.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BuildGroup

Contains information about a batch build build group. Build groups are used to combine builds that can run in parallel, while still being able to set dependencies on other build groups.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

currentBuildSummary

A `BuildSummary` object that contains a summary of the current build group.

Type: BuildSummary object

Required: No

dependsOn

An array of strings that contain the identifiers of the build groups that this build group depends on.

Type: Array of strings

Length Constraints: Minimum length of 1.

Required: No

identifier

Contains the identifier of the build group.

Type: String

Required: No

ignoreFailure

Specifies if failures in this build group can be ignored.

Type: Boolean

Required: No

priorBuildSummaryList

An array of `BuildSummary` objects that contain summaries of previous build groups.

Type: Array of BuildSummary objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BuildNotDeleted

Information about a build that could not be successfully deleted.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

id

The ID of the build that could not be successfully deleted.

Type: String

Length Constraints: Minimum length of 1.

Required: No

statusCode

Additional information about the build that could not be successfully deleted.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BuildPhase

Information about a stage for a build.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

contexts

Additional information about a build phase, especially to help troubleshoot a failed build.

Type: Array of PhaseContext objects

Required: No

durationInSeconds

How long, in seconds, between the starting and ending times of the build's phase.

Type: Long

Required: No

endTime

When the build phase ended, expressed in Unix time format.

Type: Timestamp

Required: No

phaseStatus

The current status of the build phase. Valid values include:

FAILED

The build phase failed.

FAULT

The build phase faulted.

IN_PROGRESS

The build phase is still in progress.

STOPPED

The build phase stopped.

SUCCEEDED

The build phase succeeded.

TIMED_OUT

The build phase timed out.

Type: String

Valid Values: `SUCCEEDED | FAILED | FAULT | TIMED_OUT | IN_PROGRESS | STOPPED`

Required: No

phaseType

The name of the build phase. Valid values include:

BUILD

Core build activities typically occur in this build phase.

COMPLETED

The build has been completed.

DOWNLOAD_SOURCE

Source code is being downloaded in this build phase.

FINALIZING

The build process is completing in this build phase.

INSTALL

Installation activities typically occur in this build phase.

POST_BUILD

Post-build activities typically occur in this build phase.

PRE_BUILD

Pre-build activities typically occur in this build phase.

PROVISIONING

The build environment is being set up.

QUEUED

The build has been submitted and is queued behind other submitted builds.

SUBMITTED

The build has been submitted.

UPLOAD_ARTIFACTS

Build output artifacts are being uploaded to the output location.

Type: String

Valid Values: `SUBMITTED | QUEUED | PROVISIONING | DOWNLOAD_SOURCE | INSTALL | PRE_BUILD | BUILD | POST_BUILD | UPLOAD_ARTIFACTS | FINALIZING | COMPLETED`

Required: No

startTime

When the build phase started, expressed in Unix time format.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BuildStatusConfig

Contains information that defines how the AWS CodeBuild build project reports the build status to the source provider.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

context

Specifies the context of the build status CodeBuild sends to the source provider. The usage of this parameter depends on the source provider.

Bitbucket

This parameter is used for the `name` parameter in the Bitbucket commit status. For more information, see build in the Bitbucket API documentation.

GitHub/GitHub Enterprise Server

This parameter is used for the `context` parameter in the GitHub commit status. For more information, see Create a commit status in the GitHub developer guide.

Type: String

Required: No

targetUrl

Specifies the target url of the build status CodeBuild sends to the source provider. The usage of this parameter depends on the source provider.

Bitbucket

This parameter is used for the `url` parameter in the Bitbucket commit status. For more information, see build in the Bitbucket API documentation.

GitHub/GitHub Enterprise Server

This parameter is used for the `target_url` parameter in the GitHub commit status. For more information, see Create a commit status in the GitHub developer guide.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BuildSummary

Contains summary information about a batch build group.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

arn

The batch build ARN.

Type: String

Required: No

buildStatus

The status of the build group.

FAILED

The build group failed.

FAULT

The build group faulted.

IN_PROGRESS

The build group is still in progress.

STOPPED

The build group stopped.

SUCCEEDED

The build group succeeded.

TIMED_OUT

The build group timed out.

Type: String

Valid Values: `SUCCEEDED | FAILED | FAULT | TIMED_OUT | IN_PROGRESS | STOPPED`

Required: No

primaryArtifact

A `ResolvedArtifact` object that represents the primary build artifacts for the build group.

Type: ResolvedArtifact object

Required: No

requestedOn

When the build was started, expressed in Unix time format.

Type: Timestamp

Required: No

secondaryArtifacts

An array of `ResolvedArtifact` objects that represents the secondary build artifacts for the build group.

Type: Array of ResolvedArtifact objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CloudWatchLogsConfig

Information about CloudWatch Logs for a build project.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

status

The current status of the logs in CloudWatch Logs for a build project. Valid values are:

- `ENABLED`: CloudWatch Logs are enabled for this build project.
- `DISABLED`: CloudWatch Logs are not enabled for this build project.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: Yes

groupName

The group name of the logs in CloudWatch Logs. For more information, see Working with Log Groups and Log Streams.

Type: String

Required: No

streamName

The prefix of the stream name of the CloudWatch Logs. For more information, see Working with Log Groups and Log Streams.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CodeCoverage

Contains code coverage report information.

Line coverage measures how many statements your tests cover. A statement is a single instruction, not including comments, conditionals, etc.

Branch coverage determines if your tests cover every possible branch of a control structure, such as an `if` or `case` statement.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

branchCoveragePercentage

The percentage of branches that are covered by your tests.

Type: Double

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

branchesCovered

The number of conditional branches that are covered by your tests.

Type: Integer

Valid Range: Minimum value of 0.

Required: No

branchesMissed

The number of conditional branches that are not covered by your tests.

Type: Integer

Valid Range: Minimum value of 0.

Required: No

expired

The date and time that the tests were run.

Type: Timestamp

Required: No

filePath

The path of the test report file.

Type: String

Length Constraints: Minimum length of 1.

Required: No

id

The identifier of the code coverage report.

Type: String

Length Constraints: Minimum length of 1.

Required: No

lineCoveragePercentage

The percentage of lines that are covered by your tests.

Type: Double

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

linesCovered

The number of lines that are covered by your tests.

Type: Integer

Valid Range: Minimum value of 0.

Required: No

linesMissed

The number of lines that are not covered by your tests.

Type: Integer

Valid Range: Minimum value of 0.

Required: No

reportARN

The ARN of the report.

Type: String

Length Constraints: Minimum length of 1.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CodeCoverageReportSummary

Contains a summary of a code coverage report.

Line coverage measures how many statements your tests cover. A statement is a single instruction, not including comments, conditionals, etc.

Branch coverage determines if your tests cover every possible branch of a control structure, such as an `if` or `case` statement.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

branchCoveragePercentage

The percentage of branches that are covered by your tests.

Type: Double

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

branchesCovered

The number of conditional branches that are covered by your tests.

Type: Integer

Valid Range: Minimum value of 0.

Required: No

branchesMissed

The number of conditional branches that are not covered by your tests.

Type: Integer

Valid Range: Minimum value of 0.

Required: No

lineCoveragePercentage

The percentage of lines that are covered by your tests.

Type: Double

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

linesCovered

The number of lines that are covered by your tests.

Type: Integer

Valid Range: Minimum value of 0.

Required: No

linesMissed

The number of lines that are not covered by your tests.

Type: Integer

Valid Range: Minimum value of 0.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CommandExecution

Contains command execution information.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

command

The command that needs to be executed.

Type: String

Length Constraints: Minimum length of 1.

Required: No

endTime

When the command execution process ended, expressed in Unix time format.

Type: Timestamp

Required: No

exitCode

The exit code to return upon completion.

Type: String

Length Constraints: Minimum length of 1.

Required: No

id

The ID of the command execution.

Type: String

Length Constraints: Minimum length of 1.

Required: No

logs

Information about build logs in CloudWatch Logs.

Type: LogsLocation object

Required: No

sandboxArn

A `sandboxArn`.

Type: String

Length Constraints: Minimum length of 1.

Required: No

sandboxId

A `sandboxId`.

Type: String

Length Constraints: Minimum length of 1.

Required: No

standardErrContent

The text written by the command to stderr.

Type: String

Length Constraints: Minimum length of 1.

Required: No

standardOutputContent

The text written by the command to stdout.

Type: String

Length Constraints: Minimum length of 1.

Required: No

startTime

When the command execution process started, expressed in Unix time format.

Type: Timestamp

Required: No

status

The status of the command execution.

Type: String

Length Constraints: Minimum length of 1.

Required: No

submitTime

When the command execution process was initially submitted, expressed in Unix time format.

Type: Timestamp

Required: No

type

The command type.

Type: String

Valid Values: SHELL

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ComputeConfiguration

Contains compute attributes. These attributes only need be specified when your project's or fleet's `computeType` is set to `ATTRIBUTE_BASED_COMPUTE` or `CUSTOM_INSTANCE_TYPE`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

disk

The amount of disk space of the instance type included in your fleet.

Type: Long

Required: No

instanceType

The EC2 instance type to be launched in your fleet.

Type: String

Length Constraints: Minimum length of 1.

Required: No

machineType

The machine type of the instance type included in your fleet.

Type: String

Valid Values: `GENERAL | NVME`

Required: No

memory

The amount of memory of the instance type included in your fleet.

Type: Long

Required: No

vCpu

The number of vCPUs of the instance type included in your fleet.

Type: Long

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DebugSession

Contains information about the debug session for a build. For more information, see Viewing a running build in Session Manager.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

sessionEnabled

Specifies if session debugging is enabled for this build.

Type: Boolean

Required: No

sessionTarget

Contains the identifier of the Session Manager session used for the build. To work with the paused build, you open this session to examine, control, and resume the build.

Type: String

Length Constraints: Minimum length of 1.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DockerServer

Contains docker server information.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

computeType

Information about the compute resources the docker server uses. Available values include:

- `BUILD_GENERAL1_SMALL`: Use up to 4 GiB memory and 2 vCPUs for your docker server.
- `BUILD_GENERAL1_MEDIUM`: Use up to 8 GiB memory and 4 vCPUs for your docker server.
- `BUILD_GENERAL1_LARGE`: Use up to 16 GiB memory and 8 vCPUs for your docker server.
- `BUILD_GENERAL1_XLARGE`: Use up to 64 GiB memory and 32 vCPUs for your docker server.
- `BUILD_GENERAL1_2XLARGE`: Use up to 128 GiB memory and 64 vCPUs for your docker server.

Type: String

Valid Values: `BUILD_GENERAL1_SMALL | BUILD_GENERAL1_MEDIUM | BUILD_GENERAL1_LARGE | BUILD_GENERAL1_XLARGE | BUILD_GENERAL1_2XLARGE | BUILD_LAMBDA_1GB | BUILD_LAMBDA_2GB | BUILD_LAMBDA_4GB | BUILD_LAMBDA_8GB | BUILD_LAMBDA_10GB | ATTRIBUTE_BASED_COMPUTE | CUSTOM_INSTANCE_TYPE`

Required: Yes

securityGroupIds

A list of one or more security groups IDs.

> **Note**
>
> Security groups configured for Docker servers should allow ingress network traffic from the VPC configured in the project. They should allow ingress on port 9876.

Type: Array of strings

Array Members: Maximum number of 5 items.

Length Constraints: Minimum length of 1.

Required: No

status

A DockerServerStatus object to use for this docker server.

> **Note**
>
> Note that `status` is only an output and cannot be passed in as an input.

Type: DockerServerStatus object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DockerServerStatus

Contains information about the status of the docker server.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

message

A message associated with the status of a docker server.

Type: String

Required: No

status

The status of the docker server.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EnvironmentImage

Information about a Docker image that is managed by AWS CodeBuild.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

description

The description of the Docker image.

Type: String

Required: No

name

The name of the Docker image.

Type: String

Required: No

versions

A list of environment image versions.

Type: Array of strings

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2

- AWS SDK for Ruby V3

EnvironmentLanguage

A set of Docker images that are related by programming language and are managed by AWS CodeBuild.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

images

The list of Docker images that are related by the specified programming language.

Type: Array of EnvironmentImage objects

Required: No

language

The programming language for the Docker images.

Type: String

Valid Values: `JAVA | PYTHON | NODE_JS | RUBY | GOLANG | DOCKER | ANDROID | DOTNET | BASE | PHP`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EnvironmentPlatform

A set of Docker images that are related by platform and are managed by AWS CodeBuild.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

languages

The list of programming languages that are available for the specified platform.

Type: Array of EnvironmentLanguage objects

Required: No

platform

The platform's name.

Type: String

Valid Values: `DEBIAN | AMAZON_LINUX | UBUNTU | WINDOWS_SERVER`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EnvironmentVariable

Information about an environment variable for a build project or a build.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

name

The name or key of the environment variable.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

value

The value of the environment variable.

> **Important**
>
> We strongly discourage the use of `PLAINTEXT` environment variables to store sensitive values, especially AWS secret key IDs. `PLAINTEXT` environment variables can be displayed in plain text using the AWS CodeBuild console and the AWS CLI. For sensitive values, we recommend you use an environment variable of type `PARAMETER_STORE` or `SECRETS_MANAGER`.

Type: String

Required: Yes

type

The type of environment variable. Valid values include:

- PARAMETER_STORE: An environment variable stored in Systems Manager Parameter Store. For environment variables of this type, specify the name of the parameter as the `value` of the EnvironmentVariable. The parameter value will be substituted for the name at runtime. You can also define Parameter Store environment variables in the buildspec. To learn how to do so, see env/parameter-store in the *AWS CodeBuild User Guide*.
- PLAINTEXT: An environment variable in plain text format. This is the default value.
- SECRETS_MANAGER: An environment variable stored in AWS Secrets Manager. For environment variables of this type, specify the name of the secret as the `value` of the EnvironmentVariable. The secret value will be substituted for the name at runtime. You can also define AWS Secrets Manager environment variables in the buildspec. To learn how to do so, see env/secrets-manager in the *AWS CodeBuild User Guide*.

Type: String

Valid Values: `PLAINTEXT | PARAMETER_STORE | SECRETS_MANAGER`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ExportedEnvironmentVariable

Contains information about an exported environment variable.

Exported environment variables are used in conjunction with CodePipeline to export environment variables from the current build stage to subsequent stages in the pipeline. For more information, see Working with variables in the *CodePipeline User Guide*.

> **Note**
>
> During a build, the value of a variable is available starting with the `install` phase. It can be updated between the start of the `install` phase and the end of the `post_build` phase. After the `post_build` phase ends, the value of exported variables cannot change.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

name

The name of the exported environment variable.

Type: String

Length Constraints: Minimum length of 1.

Required: No

value

The value assigned to the exported environment variable.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Fleet

A set of dedicated instances for your build environment.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

arn

The ARN of the compute fleet.

Type: String

Length Constraints: Minimum length of 1.

Required: No

baseCapacity

The initial number of machines allocated to the compute fleet, which defines the number of builds that can run in parallel.

Type: Integer

Required: No

computeConfiguration

The compute configuration of the compute fleet. This is only required if `computeType` is set to `ATTRIBUTE_BASED_COMPUTE` or `CUSTOM_INSTANCE_TYPE`.

Type: ComputeConfiguration object

Required: No

computeType

Information about the compute resources the compute fleet uses. Available values include:

- ATTRIBUTE_BASED_COMPUTE: Specify the amount of vCPUs, memory, disk space, and the type of machine.

  > **Note**
  >
  > If you use ATTRIBUTE_BASED_COMPUTE, you must define your attributes by using computeConfiguration. CodeBuild will select the cheapest instance that satisfies your specified attributes. For more information, see Reserved capacity environment types in the *AWS CodeBuild User Guide*.

- CUSTOM_INSTANCE_TYPE: Specify the instance type for your compute fleet. For a list of supported instance types, see Supported instance families in the *AWS CodeBuild User Guide*.
- BUILD_GENERAL1_SMALL: Use up to 4 GiB memory and 2 vCPUs for builds.
- BUILD_GENERAL1_MEDIUM: Use up to 8 GiB memory and 4 vCPUs for builds.
- BUILD_GENERAL1_LARGE: Use up to 16 GiB memory and 8 vCPUs for builds, depending on your environment type.
- BUILD_GENERAL1_XLARGE: Use up to 72 GiB memory and 36 vCPUs for builds, depending on your environment type.
- BUILD_GENERAL1_2XLARGE: Use up to 144 GiB memory, 72 vCPUs, and 824 GB of SSD storage for builds. This compute type supports Docker images up to 100 GB uncompressed.
- BUILD_LAMBDA_1GB: Use up to 1 GiB memory for builds. Only available for environment type LINUX_LAMBDA_CONTAINER and ARM_LAMBDA_CONTAINER.
- BUILD_LAMBDA_2GB: Use up to 2 GiB memory for builds. Only available for environment type LINUX_LAMBDA_CONTAINER and ARM_LAMBDA_CONTAINER.
- BUILD_LAMBDA_4GB: Use up to 4 GiB memory for builds. Only available for environment type LINUX_LAMBDA_CONTAINER and ARM_LAMBDA_CONTAINER.
- BUILD_LAMBDA_8GB: Use up to 8 GiB memory for builds. Only available for environment type LINUX_LAMBDA_CONTAINER and ARM_LAMBDA_CONTAINER.
- BUILD_LAMBDA_10GB: Use up to 10 GiB memory for builds. Only available for environment type LINUX_LAMBDA_CONTAINER and ARM_LAMBDA_CONTAINER.

If you use BUILD_GENERAL1_SMALL:

- For environment type LINUX_CONTAINER, you can use up to 4 GiB memory and 2 vCPUs for builds.

- For environment type LINUX_GPU_CONTAINER, you can use up to 16 GiB memory, 4 vCPUs, and 1 NVIDIA A10G Tensor Core GPU for builds.
- For environment type ARM_CONTAINER, you can use up to 4 GiB memory and 2 vCPUs on ARM-based processors for builds.

If you use BUILD_GENERAL1_LARGE:

- For environment type LINUX_CONTAINER, you can use up to 16 GiB memory and 8 vCPUs for builds.
- For environment type LINUX_GPU_CONTAINER, you can use up to 255 GiB memory, 32 vCPUs, and 4 NVIDIA Tesla V100 GPUs for builds.
- For environment type ARM_CONTAINER, you can use up to 16 GiB memory and 8 vCPUs on ARM-based processors for builds.

For more information, see On-demand environment types in the *AWS CodeBuild User Guide.*

Type: String

Valid Values: BUILD_GENERAL1_SMALL | BUILD_GENERAL1_MEDIUM | BUILD_GENERAL1_LARGE | BUILD_GENERAL1_XLARGE | BUILD_GENERAL1_2XLARGE | BUILD_LAMBDA_1GB | BUILD_LAMBDA_2GB | BUILD_LAMBDA_4GB | BUILD_LAMBDA_8GB | BUILD_LAMBDA_10GB | ATTRIBUTE_BASED_COMPUTE | CUSTOM_INSTANCE_TYPE

Required: No

created

The time at which the compute fleet was created.

Type: Timestamp

Required: No

environmentType

The environment type of the compute fleet.

- The environment type ARM_CONTAINER is available only in regions US East (N. Virginia), US East (Ohio), US West (Oregon), EU (Ireland), Asia Pacific (Mumbai), Asia Pacific (Tokyo), Asia Pacific (Singapore), Asia Pacific (Sydney), EU (Frankfurt), and South America (São Paulo).

- The environment type `ARM_EC2` is available only in regions US East (N. Virginia), US East (Ohio), US West (Oregon), EU (Ireland), EU (Frankfurt), Asia Pacific (Tokyo), Asia Pacific (Singapore), Asia Pacific (Sydney), South America (São Paulo), and Asia Pacific (Mumbai).
- The environment type `LINUX_CONTAINER` is available only in regions US East (N. Virginia), US East (Ohio), US West (Oregon), EU (Ireland), EU (Frankfurt), Asia Pacific (Tokyo), Asia Pacific (Singapore), Asia Pacific (Sydney), South America (São Paulo), and Asia Pacific (Mumbai).
- The environment type `LINUX_EC2` is available only in regions US East (N. Virginia), US East (Ohio), US West (Oregon), EU (Ireland), EU (Frankfurt), Asia Pacific (Tokyo), Asia Pacific (Singapore), Asia Pacific (Sydney), South America (São Paulo), and Asia Pacific (Mumbai).
- The environment type `LINUX_GPU_CONTAINER` is available only in regions US East (N. Virginia), US East (Ohio), US West (Oregon), EU (Ireland), EU (Frankfurt), Asia Pacific (Tokyo), and Asia Pacific (Sydney).
- The environment type `MAC_ARM` is available for Medium fleets only in regions US East (N. Virginia), US East (Ohio), US West (Oregon), Asia Pacific (Sydney), and EU (Frankfurt)
- The environment type `MAC_ARM` is available for Large fleets only in regions US East (N. Virginia), US East (Ohio), US West (Oregon), and Asia Pacific (Sydney).
- The environment type `WINDOWS_EC2` is available only in regions US East (N. Virginia), US East (Ohio), US West (Oregon), EU (Ireland), EU (Frankfurt), Asia Pacific (Tokyo), Asia Pacific (Singapore), Asia Pacific (Sydney), South America (São Paulo), and Asia Pacific (Mumbai).
- The environment type `WINDOWS_SERVER_2019_CONTAINER` is available only in regions US East (N. Virginia), US East (Ohio), US West (Oregon), Asia Pacific (Sydney), Asia Pacific (Tokyo), Asia Pacific (Mumbai) and EU (Ireland).
- The environment type `WINDOWS_SERVER_2022_CONTAINER` is available only in regions US East (N. Virginia), US East (Ohio), US West (Oregon), EU (Ireland), EU (Frankfurt), Asia Pacific (Sydney), Asia Pacific (Singapore), Asia Pacific (Tokyo), South America (São Paulo) and Asia Pacific (Mumbai).

For more information, see Build environment compute types in the *AWS CodeBuild user guide*.

Type: String

Valid Values: `WINDOWS_CONTAINER | LINUX_CONTAINER | LINUX_GPU_CONTAINER | ARM_CONTAINER | WINDOWS_SERVER_2019_CONTAINER | WINDOWS_SERVER_2022_CONTAINER | LINUX_LAMBDA_CONTAINER | ARM_LAMBDA_CONTAINER | LINUX_EC2 | ARM_EC2 | WINDOWS_EC2 | MAC_ARM`

Required: No

fleetServiceRole

The service role associated with the compute fleet. For more information, see Allow a user to add a permission policy for a fleet service role in the *AWS CodeBuild User Guide*.

Type: String

Length Constraints: Minimum length of 1.

Required: No

id

The ID of the compute fleet.

Type: String

Length Constraints: Minimum length of 1.

Required: No

imageId

The Amazon Machine Image (AMI) of the compute fleet.

Type: String

Length Constraints: Minimum length of 1.

Required: No

lastModified

The time at which the compute fleet was last modified.

Type: Timestamp

Required: No

name

The name of the compute fleet.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 128.

Pattern: `[A-Za-z0-9][A-Za-z0-9\-_]{1,127}`

Required: No

overflowBehavior

The compute fleet overflow behavior.

- For overflow behavior `QUEUE`, your overflow builds need to wait on the existing fleet instance to become available.
- For overflow behavior `ON_DEMAND`, your overflow builds run on CodeBuild on-demand.

> **Note**
>
> If you choose to set your overflow behavior to on-demand while creating a VPC-connected fleet, make sure that you add the required VPC permissions to your project service role. For more information, see Example policy statement to allow CodeBuild access to AWS services required to create a VPC network interface.

Type: String

Valid Values: `QUEUE | ON_DEMAND`

Required: No

proxyConfiguration

The proxy configuration of the compute fleet.

Type: ProxyConfiguration object

Required: No

scalingConfiguration

The scaling configuration of the compute fleet.

Type: ScalingConfigurationOutput object

Required: No

status

The status of the compute fleet.

Type: FleetStatus object

Required: No

tags

A list of tag key and value pairs associated with this compute fleet.

These tags are available for use by AWS services that support AWS CodeBuild build project tags.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 50 items.

Required: No

vpcConfig

Information about the VPC configuration that AWS CodeBuild accesses.

Type: VpcConfig object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

FleetProxyRule

Information about the proxy rule for your reserved capacity instances.

Contents

> **Note**
> In the following list, the required parameters are described first.

effect

The behavior of the proxy rule.

Type: String

Valid Values: `ALLOW | DENY`

Required: Yes

entities

The destination of the proxy rule.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Required: Yes

type

The type of proxy rule.

Type: String

Valid Values: `DOMAIN | IP`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

FleetStatus

The status of the compute fleet.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

context

Additional information about a compute fleet. Valid values include:

- `CREATE_FAILED`: The compute fleet has failed to create.
- `UPDATE_FAILED`: The compute fleet has failed to update.

Type: String

Valid Values: `CREATE_FAILED | UPDATE_FAILED | ACTION_REQUIRED | PENDING_DELETION | INSUFFICIENT_CAPACITY`

Required: No

message

A message associated with the status of a compute fleet.

Type: String

Required: No

statusCode

The status code of the compute fleet. Valid values include:

- `CREATING`: The compute fleet is being created.
- `UPDATING`: The compute fleet is being updated.
- `ROTATING`: The compute fleet is being rotated.
- `PENDING_DELETION`: The compute fleet is pending deletion.
- `DELETING`: The compute fleet is being deleted.

- CREATE_FAILED: The compute fleet has failed to create.
- UPDATE_ROLLBACK_FAILED: The compute fleet has failed to update and could not rollback to previous state.
- ACTIVE: The compute fleet has succeeded and is active.

Type: String

Valid Values: CREATING | UPDATING | ROTATING | PENDING_DELETION | DELETING | CREATE_FAILED | UPDATE_ROLLBACK_FAILED | ACTIVE

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

GitSubmodulesConfig

Information about the Git submodules configuration for an AWS CodeBuild build project.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

fetchSubmodules

Set to true to fetch Git submodules for your AWS CodeBuild build project.

Type: Boolean

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

LogsConfig

Information about logs for a build project. These can be logs in CloudWatch Logs, built in a specified S3 bucket, or both.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

cloudWatchLogs

Information about CloudWatch Logs for a build project. CloudWatch Logs are enabled by default.

Type: CloudWatchLogsConfig object

Required: No

s3Logs

Information about logs built to an S3 bucket for a build project. S3 logs are not enabled by default.

Type: S3LogsConfig object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

LogsLocation

Information about build logs in CloudWatch Logs.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

cloudWatchLogs

Information about CloudWatch Logs for a build project.

Type: CloudWatchLogsConfig object

Required: No

cloudWatchLogsArn

The ARN of the CloudWatch Logs stream for a build execution. Its format is `arn:${Partition}:logs:${Region}:${Account}:log-group:${LogGroupName}:log-stream:${LogStreamName}`. The CloudWatch Logs stream is created during the PROVISIONING phase of a build and the ARN will not be valid until it is created. For more information, see Resources Defined by CloudWatch Logs.

Type: String

Required: No

deepLink

The URL to an individual build log in CloudWatch Logs. The log stream is created during the PROVISIONING phase of a build and the `deeplink` will not be valid until it is created.

Type: String

Required: No

groupName

The name of the CloudWatch Logs group for the build logs.

Type: String

Required: No

s3DeepLink

The URL to a build log in an S3 bucket.

Type: String

Required: No

s3Logs

Information about S3 logs for a build project.

Type: S3LogsConfig object

Required: No

s3LogsArn

The ARN of S3 logs for a build project. Its format is `arn:${Partition}:s3:::${BucketName}/${ObjectName}`. For more information, see Resources Defined by Amazon S3.

Type: String

Required: No

streamName

The name of the CloudWatch Logs stream for the build logs.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

NetworkInterface

Describes a network interface.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

networkInterfaceId

The ID of the network interface.

Type: String

Length Constraints: Minimum length of 1.

Required: No

subnetId

The ID of the subnet.

Type: String

Length Constraints: Minimum length of 1.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PhaseContext

Additional information about a build phase that has an error. You can use this information for troubleshooting.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

message

An explanation of the build phase's context. This might include a command ID and an exit code.

Type: String

Required: No

statusCode

The status code for the context of the build phase.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Project

Information about a build project.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

arn

The Amazon Resource Name (ARN) of the build project.

Type: String

Required: No

artifacts

Information about the build output artifacts for the build project.

Type: ProjectArtifacts object

Required: No

autoRetryLimit

The maximum number of additional automatic retries after a failed build. For example, if the auto-retry limit is set to 2, CodeBuild will call the `RetryBuild` API to automatically retry your build for up to 2 additional times.

Type: Integer

Required: No

badge

Information about the build badge for the build project.

Type: ProjectBadge object

Required: No

buildBatchConfig

A ProjectBuildBatchConfig object that defines the batch build options for the project.

Type: ProjectBuildBatchConfig object

Required: No

cache

Information about the cache for the build project.

Type: ProjectCache object

Required: No

concurrentBuildLimit

The maximum number of concurrent builds that are allowed for this project.

New builds are only started if the current number of builds is less than or equal to this limit. If the current build count meets this limit, new builds are throttled and are not run.

Type: Integer

Required: No

created

When the build project was created, expressed in Unix time format.

Type: Timestamp

Required: No

description

A description that makes the build project easy to identify.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

encryptionKey

The AWS Key Management Service customer master key (CMK) to be used for encrypting the build output artifacts.

> **Note**
>
> You can use a cross-account KMS key to encrypt the build output artifacts if your service role has permission to that key.

You can specify either the Amazon Resource Name (ARN) of the CMK or, if available, the CMK's alias (using the format `alias/<alias-name>`). If you don't specify a value, CodeBuild uses the managed CMK for Amazon Simple Storage Service (Amazon S3).

Type: String

Length Constraints: Minimum length of 1.

Required: No

environment

Information about the build environment for this build project.

Type: ProjectEnvironment object

Required: No

fileSystemLocations

An array of `ProjectFileSystemLocation` objects for a CodeBuild build project. A `ProjectFileSystemLocation` object specifies the `identifier`, `location`, `mountOptions`, `mountPoint`, and `type` of a file system created using Amazon Elastic File System.

Type: Array of ProjectFileSystemLocation objects

Required: No

lastModified

When the build project's settings were last modified, expressed in Unix time format.

Type: Timestamp

Required: No

logsConfig

Information about logs for the build project. A project can create logs in CloudWatch Logs, an S3 bucket, or both.

Type: LogsConfig object

Required: No

name

The name of the build project.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 150.

Pattern: `[A-Za-z0-9][A-Za-z0-9\-_]{1,149}`

Required: No

projectVisibility

Specifies the visibility of the project's builds. Possible values are:

PUBLIC_READ

The project builds are visible to the public.

PRIVATE

The project builds are not visible to the public.

Type: String

Valid Values: `PUBLIC_READ | PRIVATE`

Required: No

publicProjectAlias

Contains the project identifier used with the public build APIs.

For more information, see Public build.

Type: String

Length Constraints: Minimum length of 1.

Required: No

queuedTimeoutInMinutes

The number of minutes a build is allowed to be queued before it times out.

Type: Integer

Valid Range: Minimum value of 5. Maximum value of 480.

Required: No

resourceAccessRole

The ARN of the IAM role that enables CodeBuild to access the CloudWatch Logs and Amazon S3 artifacts for the project's builds.

Type: String

Length Constraints: Minimum length of 1.

Required: No

secondaryArtifacts

An array of `ProjectArtifacts` objects.

Type: Array of ProjectArtifacts objects

Array Members: Minimum number of 0 items. Maximum number of 12 items.

Required: No

secondarySources

An array of `ProjectSource` objects.

Type: Array of ProjectSource objects

Array Members: Minimum number of 0 items. Maximum number of 12 items.

Required: No

secondarySourceVersions

An array of `ProjectSourceVersion` objects. If `secondarySourceVersions` is specified at the build level, then they take over these `secondarySourceVersions` (at the project level).

Type: Array of ProjectSourceVersion objects

Array Members: Minimum number of 0 items. Maximum number of 12 items.

Required: No

serviceRole

The ARN of the IAM role that enables AWS CodeBuild to interact with dependent AWS services on behalf of the AWS account.

Type: String

Length Constraints: Minimum length of 1.

Required: No

source

Information about the build input source code for this build project.

Type: ProjectSource object

Required: No

sourceVersion

A version of the build input to be built for this project. If not specified, the latest version is used. If specified, it must be one of:

- For CodeCommit: the commit ID, branch, or Git tag to use.
- For GitHub: the commit ID, pull request ID, branch name, or tag name that corresponds to the version of the source code you want to build. If a pull request ID is specified, it must use the format `pr/pull-request-ID` (for example `pr/25`). If a branch name is specified, the branch's HEAD commit ID is used. If not specified, the default branch's HEAD commit ID is used.
- For GitLab: the commit ID, branch, or Git tag to use.

- For Bitbucket: the commit ID, branch name, or tag name that corresponds to the version of the source code you want to build. If a branch name is specified, the branch's HEAD commit ID is used. If not specified, the default branch's HEAD commit ID is used.
- For Amazon S3: the version ID of the object that represents the build input ZIP file to use.

If `sourceVersion` is specified at the build level, then that version takes precedence over this `sourceVersion` (at the project level).

For more information, see Source Version Sample with CodeBuild in the *AWS CodeBuild User Guide*.

Type: String

Required: No

tags

A list of tag key and value pairs associated with this build project.

These tags are available for use by AWS services that support AWS CodeBuild build project tags.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 50 items.

Required: No

timeoutInMinutes

How long, in minutes, from 5 to 2160 (36 hours), for AWS CodeBuild to wait before timing out any related build that did not get marked as completed. The default is 60 minutes.

Type: Integer

Valid Range: Minimum value of 5. Maximum value of 2160.

Required: No

vpcConfig

Information about the VPC configuration that AWS CodeBuild accesses.

Type: VpcConfig object

Required: No

webhook

Information about a webhook that connects repository events to a build project in AWS CodeBuild.

Type: Webhook object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ProjectArtifacts

Information about the build output artifacts for the build project.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

type

The type of build output artifact. Valid values include:

- `CODEPIPELINE`: The build project has build output generated through CodePipeline.

  > **Note**
  >
  > The `CODEPIPELINE` type is not supported for `secondaryArtifacts`.

- `NO_ARTIFACTS`: The build project does not produce any build output.
- `S3`: The build project stores build output in Amazon S3.

Type: String

Valid Values: `CODEPIPELINE | S3 | NO_ARTIFACTS`

Required: Yes

artifactIdentifier

An identifier for this artifact definition.

Type: String

Required: No

bucketOwnerAccess

Specifies the bucket owner's access for objects that another account uploads to their Amazon S3 bucket. By default, only the account that uploads the objects to the bucket has access to these objects. This property allows you to give the bucket owner access to these objects.

> **Note**
>
> To use this property, your CodeBuild service role must have the `s3:PutBucketAcl` permission. This permission allows CodeBuild to modify the access control list for the bucket.

This property can be one of the following values:

NONE

The bucket owner does not have access to the objects. This is the default.

READ_ONLY

The bucket owner has read-only access to the objects. The uploading account retains ownership of the objects.

FULL

The bucket owner has full access to the objects. Object ownership is determined by the following criteria:

- If the bucket is configured with the **Bucket owner preferred** setting, the bucket owner owns the objects. The uploading account will have object access as specified by the bucket's policy.
- Otherwise, the uploading account retains ownership of the objects.

For more information about Amazon S3 object ownership, see Controlling ownership of uploaded objects using S3 Object Ownership in the *Amazon Simple Storage Service User Guide*.

Type: String

Valid Values: `NONE | READ_ONLY | FULL`

Required: No

encryptionDisabled

Set to true if you do not want your output artifacts encrypted. This option is valid only if your artifacts type is Amazon S3. If this is set with another artifacts type, an invalidInputException is thrown.

Type: Boolean

Required: No

location

Information about the build output artifact location:

- If `type` is set to `CODEPIPELINE`, CodePipeline ignores this value if specified. This is because CodePipeline manages its build output locations instead of AWS CodeBuild.
- If `type` is set to `NO_ARTIFACTS`, this value is ignored if specified, because no build output is produced.
- If `type` is set to `S3`, this is the name of the output bucket.

Type: String

Required: No

name

Along with `path` and `namespaceType`, the pattern that AWS CodeBuild uses to name and store the output artifact:

- If `type` is set to `CODEPIPELINE`, CodePipeline ignores this value if specified. This is because CodePipeline manages its build output names instead of AWS CodeBuild.
- If `type` is set to `NO_ARTIFACTS`, this value is ignored if specified, because no build output is produced.
- If `type` is set to `S3`, this is the name of the output artifact object. If you set the name to be a forward slash ("/"), the artifact is stored in the root of the output bucket.

For example:

- If `path` is set to `MyArtifacts`, `namespaceType` is set to `BUILD_ID`, and `name` is set to `MyArtifact.zip`, then the output artifact is stored in `MyArtifacts/<build-ID>/MyArtifact.zip`.
- If `path` is empty, `namespaceType` is set to `NONE`, and `name` is set to "`/`", the output artifact is stored in the root of the output bucket.
- If `path` is set to `MyArtifacts`, `namespaceType` is set to `BUILD_ID`, and `name` is set to "`/`", the output artifact is stored in `MyArtifacts/<build-ID>`.

Type: String

Required: No

namespaceType

Along with `path` and `name`, the pattern that AWS CodeBuild uses to determine the name and location to store the output artifact:

- If `type` is set to `CODEPIPELINE`, CodePipeline ignores this value if specified. This is because CodePipeline manages its build output names instead of AWS CodeBuild.
- If `type` is set to `NO_ARTIFACTS`, this value is ignored if specified, because no build output is produced.
- If `type` is set to `S3`, valid values include:
  - `BUILD_ID`: Include the build ID in the location of the build output artifact.
  - `NONE`: Do not include the build ID. This is the default if `namespaceType` is not specified.

For example, if `path` is set to `MyArtifacts`, `namespaceType` is set to `BUILD_ID`, and `name` is set to `MyArtifact.zip`, the output artifact is stored in `MyArtifacts/<build-ID>/MyArtifact.zip`.

Type: String

Valid Values: `NONE | BUILD_ID`

Required: No

overrideArtifactName

If this flag is set, a name specified in the buildspec file overrides the artifact name. The name specified in a buildspec file is calculated at build time and uses the Shell Command Language. For example, you can append a date and time to your artifact name so that it is always unique.

Type: Boolean

Required: No

packaging

The type of build output artifact to create:

- If `type` is set to `CODEPIPELINE`, CodePipeline ignores this value if specified. This is because CodePipeline manages its build output artifacts instead of AWS CodeBuild.
- If `type` is set to `NO_ARTIFACTS`, this value is ignored if specified, because no build output is produced.

- If `type` is set to `S3`, valid values include:
  - `NONE`: AWS CodeBuild creates in the output bucket a folder that contains the build output. This is the default if `packaging` is not specified.
  - `ZIP`: AWS CodeBuild creates in the output bucket a ZIP file that contains the build output.

Type: String

Valid Values: `NONE | ZIP`

Required: No

path

Along with `namespaceType` and `name`, the pattern that AWS CodeBuild uses to name and store the output artifact:

- If `type` is set to `CODEPIPELINE`, CodePipeline ignores this value if specified. This is because CodePipeline manages its build output names instead of AWS CodeBuild.
- If `type` is set to `NO_ARTIFACTS`, this value is ignored if specified, because no build output is produced.
- If `type` is set to `S3`, this is the path to the output artifact. If `path` is not specified, `path` is not used.

For example, if `path` is set to `MyArtifacts`, `namespaceType` is set to `NONE`, and `name` is set to `MyArtifact.zip`, the output artifact is stored in the output bucket at `MyArtifacts/MyArtifact.zip`.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ProjectBadge

Information about the build badge for the build project.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

badgeEnabled

Set this to true to generate a publicly accessible URL for your project's build badge.

Type: Boolean

Required: No

badgeRequestUrl

The publicly-accessible URL through which you can access the build badge for your project.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ProjectBuildBatchConfig

Contains configuration information about a batch build project.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

batchReportMode

Specifies how build status reports are sent to the source provider for the batch build. This property is only used when the source provider for your project is Bitbucket, GitHub, or GitHub Enterprise, and your project is configured to report build statuses to the source provider.

REPORT_AGGREGATED_BATCH

(Default) Aggregate all of the build statuses into a single status report.

REPORT_INDIVIDUAL_BUILDS

Send a separate status report for each individual build.

Type: String

Valid Values: `REPORT_INDIVIDUAL_BUILDS | REPORT_AGGREGATED_BATCH`

Required: No

combineArtifacts

Specifies if the build artifacts for the batch build should be combined into a single artifact location.

Type: Boolean

Required: No

restrictions

A `BatchRestrictions` object that specifies the restrictions for the batch build.

Type: BatchRestrictions object

Required: No

serviceRole

Specifies the service role ARN for the batch build project.

Type: String

Length Constraints: Minimum length of 1.

Required: No

timeoutInMins

Specifies the maximum amount of time, in minutes, that the batch build must be completed in.

Type: Integer

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ProjectCache

Information about the cache for the build project.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

type

The type of cache used by the build project. Valid values include:

- NO_CACHE: The build project does not use any cache.
- S3: The build project reads and writes from and to S3.
- LOCAL: The build project stores a cache locally on a build host that is only available to that build host.

Type: String

Valid Values: `NO_CACHE | S3 | LOCAL`

Required: Yes

cacheNamespace

Defines the scope of the cache. You can use this namespace to share a cache across multiple projects. For more information, see Cache sharing between projects in the *AWS CodeBuild User Guide*.

Type: String

Required: No

location

Information about the cache location:

- NO_CACHE or LOCAL: This value is ignored.

- S3: This is the S3 bucket name/prefix.

Type: String

Required: No

modes

An array of strings that specify the local cache modes. You can use one or more local cache modes at the same time. This is only used for LOCAL cache types.

Possible values are:

LOCAL_SOURCE_CACHE

Caches Git metadata for primary and secondary sources. After the cache is created, subsequent builds pull only the change between commits. This mode is a good choice for projects with a clean working directory and a source that is a large Git repository. If you choose this option and your project does not use a Git repository (GitHub, GitHub Enterprise, or Bitbucket), the option is ignored.

LOCAL_DOCKER_LAYER_CACHE

Caches existing Docker layers. This mode is a good choice for projects that build or pull large Docker images. It can prevent the performance issues caused by pulling large Docker images down from the network.

> **Note**
>
> - You can use a Docker layer cache in the Linux environment only.
> - The `privileged` flag must be set so that your project has the required Docker permissions.
> - You should consider the security implications before you use a Docker layer cache.

LOCAL_CUSTOM_CACHE

Caches directories you specify in the buildspec file. This mode is a good choice if your build scenario is not suited to one of the other three local cache modes. If you use a custom cache:

- Only directories can be specified for caching. You cannot specify individual files.
- Symlinks are used to reference cached directories.

- Cached directories are linked to your build before it downloads its project sources. Cached items are overridden if a source item has the same name. Directories are specified using cache paths in the buildspec file.

Type: Array of strings

Valid Values: `LOCAL_DOCKER_LAYER_CACHE | LOCAL_SOURCE_CACHE | LOCAL_CUSTOM_CACHE`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ProjectEnvironment

Information about the build environment of the build project.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

computeType

Information about the compute resources the build project uses. Available values include:

- `ATTRIBUTE_BASED_COMPUTE`: Specify the amount of vCPUs, memory, disk space, and the type of machine.

  > **Note**
  >
  > If you use `ATTRIBUTE_BASED_COMPUTE`, you must define your attributes by using `computeConfiguration`. CodeBuild will select the cheapest instance that satisfies your specified attributes. For more information, see Reserved capacity environment types in the *AWS CodeBuild User Guide*.

- `BUILD_GENERAL1_SMALL`: Use up to 4 GiB memory and 2 vCPUs for builds.
- `BUILD_GENERAL1_MEDIUM`: Use up to 8 GiB memory and 4 vCPUs for builds.
- `BUILD_GENERAL1_LARGE`: Use up to 16 GiB memory and 8 vCPUs for builds, depending on your environment type.
- `BUILD_GENERAL1_XLARGE`: Use up to 72 GiB memory and 36 vCPUs for builds, depending on your environment type.
- `BUILD_GENERAL1_2XLARGE`: Use up to 144 GiB memory, 72 vCPUs, and 824 GB of SSD storage for builds. This compute type supports Docker images up to 100 GB uncompressed.
- `BUILD_LAMBDA_1GB`: Use up to 1 GiB memory for builds. Only available for environment type `LINUX_LAMBDA_CONTAINER` and `ARM_LAMBDA_CONTAINER`.
- `BUILD_LAMBDA_2GB`: Use up to 2 GiB memory for builds. Only available for environment type `LINUX_LAMBDA_CONTAINER` and `ARM_LAMBDA_CONTAINER`.

- BUILD_LAMBDA_4GB: Use up to 4 GiB memory for builds. Only available for environment type LINUX_LAMBDA_CONTAINER and ARM_LAMBDA_CONTAINER.
- BUILD_LAMBDA_8GB: Use up to 8 GiB memory for builds. Only available for environment type LINUX_LAMBDA_CONTAINER and ARM_LAMBDA_CONTAINER.
- BUILD_LAMBDA_10GB: Use up to 10 GiB memory for builds. Only available for environment type LINUX_LAMBDA_CONTAINER and ARM_LAMBDA_CONTAINER.

If you use BUILD_GENERAL1_SMALL:

- For environment type LINUX_CONTAINER, you can use up to 4 GiB memory and 2 vCPUs for builds.
- For environment type LINUX_GPU_CONTAINER, you can use up to 16 GiB memory, 4 vCPUs, and 1 NVIDIA A10G Tensor Core GPU for builds.
- For environment type ARM_CONTAINER, you can use up to 4 GiB memory and 2 vCPUs on ARM-based processors for builds.

If you use BUILD_GENERAL1_LARGE:

- For environment type LINUX_CONTAINER, you can use up to 16 GiB memory and 8 vCPUs for builds.
- For environment type LINUX_GPU_CONTAINER, you can use up to 255 GiB memory, 32 vCPUs, and 4 NVIDIA Tesla V100 GPUs for builds.
- For environment type ARM_CONTAINER, you can use up to 16 GiB memory and 8 vCPUs on ARM-based processors for builds.

For more information, see On-demand environment types in the *AWS CodeBuild User Guide.*

Type: String

Valid Values: BUILD_GENERAL1_SMALL | BUILD_GENERAL1_MEDIUM | BUILD_GENERAL1_LARGE | BUILD_GENERAL1_XLARGE | BUILD_GENERAL1_2XLARGE | BUILD_LAMBDA_1GB | BUILD_LAMBDA_2GB | BUILD_LAMBDA_4GB | BUILD_LAMBDA_8GB | BUILD_LAMBDA_10GB | ATTRIBUTE_BASED_COMPUTE | CUSTOM_INSTANCE_TYPE

Required: Yes

image

The image tag or image digest that identifies the Docker image to use for this build project. Use the following formats:

- For an image tag: `<registry>/<repository>:<tag>`. For example, in the Docker repository that CodeBuild uses to manage its Docker images, this would be `aws/codebuild/standard:4.0`.
- For an image digest: `<registry>/<repository>@<digest>`. For example, to specify an image with the digest "sha256:cbbf2f9a99b47fc460d422812b6a5adff7dfee951d8fa2e4a98caa0382cfbdbf," use `<registry>/<repository>@sha256:cbbf2f9a99b47fc460d422812b6a5adff7dfee951d8fa2e4a98caa03`

For more information, see Docker images provided by CodeBuild in the *AWS CodeBuild user guide*.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

type

The type of build environment to use for related builds.

> **Note**
>
> If you're using compute fleets during project creation, `type` will be ignored.

For more information, see Build environment compute types in the *AWS CodeBuild user guide*.

Type: String

Valid Values: `WINDOWS_CONTAINER | LINUX_CONTAINER | LINUX_GPU_CONTAINER | ARM_CONTAINER | WINDOWS_SERVER_2019_CONTAINER | WINDOWS_SERVER_2022_CONTAINER | LINUX_LAMBDA_CONTAINER | ARM_LAMBDA_CONTAINER | LINUX_EC2 | ARM_EC2 | WINDOWS_EC2 | MAC_ARM`

Required: Yes

certificate

The ARN of the Amazon S3 bucket, path prefix, and object key that contains the PEM-encoded certificate for the build project. For more information, see certificate in the *AWS CodeBuild User Guide*.

Type: String

Required: No

computeConfiguration

The compute configuration of the build project. This is only required if `computeType` is set to `ATTRIBUTE_BASED_COMPUTE`.

Type: ComputeConfiguration object

Required: No

dockerServer

A DockerServer object to use for this build project.

Type: DockerServer object

Required: No

environmentVariables

A set of environment variables to make available to builds for this build project.

Type: Array of EnvironmentVariable objects

Required: No

fleet

A ProjectFleet object to use for this build project.

Type: ProjectFleet object

Required: No

hostKernel

The host operating system kernel used for on-demand builds in the build project. The host kernel does not affect the build environment operating system, which is determined by the image you specify. Valid values are:

- `LINUX_KERNEL_4`: Runs on an Amazon Linux 2 host (kernel 4.x).
- `LINUX_KERNEL_6`: Runs on an Amazon Linux 2023 host (kernel 6.x).
- `LINUX_KERNEL_LATEST`: Runs on the latest supported host kernel.

This setting applies to the LINUX_CONTAINER, ARM_CONTAINER, LINUX_EC2, and ARM_EC2 environment types. It is not applicable to Windows, Lambda, or Mac environment types.

Type: String

Valid Values: LINUX_KERNEL_4 | LINUX_KERNEL_6 | LINUX_KERNEL_LATEST

Required: No

imagePullCredentialsType

The type of credentials AWS CodeBuild uses to pull images in your build. There are two valid values:

- CODEBUILD specifies that AWS CodeBuild uses its own credentials. This requires that you modify your ECR repository policy to trust AWS CodeBuild service principal.
- SERVICE_ROLE specifies that AWS CodeBuild uses your build project's service role.

When you use a cross-account or private registry image, you must use SERVICE_ROLE credentials. When you use an AWS CodeBuild curated image, you must use CODEBUILD credentials.

Type: String

Valid Values: CODEBUILD | SERVICE_ROLE

Required: No

privilegedMode

Enables running the Docker daemon inside a Docker container. Set to true only if the build project is used to build Docker images. Otherwise, a build that attempts to interact with the Docker daemon fails. The default setting is false.

You can initialize the Docker daemon during the install phase of your build by adding one of the following sets of commands to the install phase of your buildspec file:

If the operating system's base image is Ubuntu Linux:

```
- nohup /usr/local/bin/dockerd --host=unix:///var/run/docker.sock --
host=tcp://0.0.0.0:2375 --storage-driver=overlay&

- timeout 15 sh -c "until docker info; do echo .; sleep 1; done"
```

If the operating system's base image is Alpine Linux and the previous command does not work, add the `-t` argument to `timeout`:

```
- nohup /usr/local/bin/dockerd --host=unix:///var/run/docker.sock --
host=tcp://0.0.0.0:2375 --storage-driver=overlay&

- timeout -t 15 sh -c "until docker info; do echo .; sleep 1; done"
```

Type: Boolean

Required: No

registryCredential

The credentials for access to a private registry.

Type: RegistryCredential object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ProjectFileSystemLocation

Information about a file system created by Amazon Elastic File System (EFS). For more information, see What Is Amazon Elastic File System?

Contents

> **Note**
>
> In the following list, the required parameters are described first.

identifier

The name used to access a file system created by Amazon EFS. CodeBuild creates an environment variable by appending the `identifier` in all capital letters to `CODEBUILD_`. For example, if you specify `my_efs` for `identifier`, a new environment variable is create named `CODEBUILD_MY_EFS`.

The `identifier` is used to mount your file system.

Type: String

Required: No

location

A string that specifies the location of the file system created by Amazon EFS. Its format is `efs-dns-name:/directory-path`. You can find the DNS name of file system when you view it in the Amazon EFS console. The directory path is a path to a directory in the file system that CodeBuild mounts. For example, if the DNS name of a file system is `fs-abcd1234.efs.us-west-2.amazonaws.com`, and its mount directory is `my-efs-mount-directory`, then the `location` is `fs-abcd1234.efs.us-west-2.amazonaws.com:/my-efs-mount-directory`.

The directory path in the format `efs-dns-name:/directory-path` is optional. If you do not specify a directory path, the location is only the DNS name and CodeBuild mounts the entire file system.

Type: String

Required: No

mountOptions

The mount options for a file system created by Amazon EFS. The default mount options used by CodeBuild are `nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2`. For more information, see Recommended NFS Mount Options.

Type: String

Required: No

mountPoint

The location in the container where you mount the file system.

Type: String

Required: No

type

The type of the file system. The one supported type is EFS.

Type: String

Valid Values: EFS

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ProjectFleet

Information about the compute fleet of the build project. For more information, see Working with reserved capacity in AWS CodeBuild.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

fleetArn

Specifies the compute fleet ARN for the build project.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ProjectSource

Information about the build input source code for the build project.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

type

The type of repository that contains the source code to be built. Valid values include:

- `BITBUCKET`: The source code is in a Bitbucket repository.
- `CODECOMMIT`: The source code is in an CodeCommit repository.
- `CODEPIPELINE`: The source code settings are specified in the source action of a pipeline in CodePipeline.
- `GITHUB`: The source code is in a GitHub repository.
- `GITHUB_ENTERPRISE`: The source code is in a GitHub Enterprise Server repository.
- `GITLAB`: The source code is in a GitLab repository.
- `GITLAB_SELF_MANAGED`: The source code is in a self-managed GitLab repository.
- `NO_SOURCE`: The project does not have input source code.
- `S3`: The source code is in an Amazon S3 bucket.

Type: String

Valid Values: `CODECOMMIT | CODEPIPELINE | GITHUB | GITLAB | GITLAB_SELF_MANAGED | S3 | BITBUCKET | GITHUB_ENTERPRISE | NO_SOURCE`

Required: Yes

auth

Information about the authorization settings for AWS CodeBuild to access the source code to be built.

Type: SourceAuth object

Required: No

buildspec

The buildspec file declaration to use for the builds in this build project.

If this value is set, it can be either an inline buildspec definition, the path to an alternate buildspec file relative to the value of the built-in `CODEBUILD_SRC_DIR` environment variable, or the path to an S3 bucket. The bucket must be in the same AWS Region as the build project. Specify the buildspec file using its ARN (for example, `arn:aws:s3:::my-codebuild-sample2/buildspec.yml`). If this value is not provided or is set to an empty string, the source code must contain a buildspec file in its root directory. For more information, see Buildspec File Name and Storage Location.

Type: String

Required: No

buildStatusConfig

Contains information that defines how the build project reports the build status to the source provider. This option is only used when the source provider is `GITHUB`, `GITHUB_ENTERPRISE`, or `BITBUCKET`.

Type: BuildStatusConfig object

Required: No

gitCloneDepth

Information about the Git clone depth for the build project.

Type: Integer

Valid Range: Minimum value of 0.

Required: No

gitSubmodulesConfig

Information about the Git submodules configuration for the build project.

Type: GitSubmodulesConfig object

Required: No

insecureSsl

Enable this flag to ignore SSL warnings while connecting to the project source code.

Type: Boolean

Required: No

location

Information about the location of the source code to be built. Valid values include:

- For source code settings that are specified in the source action of a pipeline in CodePipeline, `location` should not be specified. If it is specified, CodePipeline ignores it. This is because CodePipeline uses the settings in a pipeline's source action instead of this value.
- For source code in an CodeCommit repository, the HTTPS clone URL to the repository that contains the source code and the buildspec file (for example, `https://git-codecommit.<region-ID>.amazonaws.com/v1/repos/<repo-name>`).
- For source code in an Amazon S3 input bucket, one of the following.
  - The path to the ZIP file that contains the source code (for example, `<bucket-name>/<path>/<object-name>.zip`).
  - The path to the folder that contains the source code (for example, `<bucket-name>/<path-to-source-code>/<folder>/`).
- For source code in a GitHub repository, the HTTPS clone URL to the repository that contains the source and the buildspec file. You must connect your AWS account to your GitHub account. Use the AWS CodeBuild console to start creating a build project. When you use the console to connect (or reconnect) with GitHub, on the GitHub **Authorize application** page, for **Organization access**, choose **Request access** next to each repository you want to allow AWS CodeBuild to have access to, and then choose **Authorize application**. (After you have connected to your GitHub account, you do not need to finish creating the build project. You can leave the AWS CodeBuild console.) To instruct AWS CodeBuild to use this connection, in the `source` object, set the `auth` object's `type` value to `OAUTH`.
- For source code in an GitLab or self-managed GitLab repository, the HTTPS clone URL to the repository that contains the source and the buildspec file. You must connect your AWS account to your GitLab account. Use the AWS CodeBuild console to start creating a build project. When you use the console to connect (or reconnect) with GitLab, on the Connections **Authorize application** page, choose **Authorize**. Then on the AWS CodeConnections **Create GitLab connection** page, choose **Connect to GitLab**. (After you have connected to your

GitLab account, you do not need to finish creating the build project. You can leave the AWS CodeBuild console.) To instruct AWS CodeBuild to override the default connection and use this connection instead, set the `auth` object's `type` value to `CODECONNECTIONS` in the `source` object.

- For source code in a Bitbucket repository, the HTTPS clone URL to the repository that contains the source and the buildspec file. You must connect your AWS account to your Bitbucket account. Use the AWS CodeBuild console to start creating a build project. When you use the console to connect (or reconnect) with Bitbucket, on the Bitbucket **Confirm access to your account** page, choose **Grant access**. (After you have connected to your Bitbucket account, you do not need to finish creating the build project. You can leave the AWS CodeBuild console.) To instruct AWS CodeBuild to use this connection, in the `source` object, set the `auth` object's `type` value to `OAUTH`.

If you specify `CODEPIPELINE` for the `Type` property, don't specify this property. For all of the other types, you must specify `Location`.

Type: String

Required: No

reportBuildStatus

Set to true to report the status of a build's start and finish to your source provider. This option is valid only when your source provider is GitHub, GitHub Enterprise, GitLab, GitLab Self Managed, GitLab, GitLab Self Managed, or Bitbucket. If this is set and you use a different source provider, an `invalidInputException` is thrown.

To be able to report the build status to the source provider, the user associated with the source provider must have write access to the repo. If the user does not have write access, the build status cannot be updated. For more information, see Source provider access in the *AWS CodeBuild User Guide*.

The status of a build triggered by a webhook is always reported to your source provider.

If your project's builds are triggered by a webhook, you must push a new commit to the repo for a change to this property to take effect.

Type: Boolean

Required: No

sourceIdentifier

An identifier for this project source. The identifier can only contain alphanumeric characters and underscores, and must be less than 128 characters in length.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ProjectSourceVersion

A source identifier and its corresponding version.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

sourceIdentifier

An identifier for a source in the build project. The identifier can only contain alphanumeric characters and underscores, and must be less than 128 characters in length.

Type: String

Required: Yes

sourceVersion

The source version for the corresponding source identifier. If specified, must be one of:

- For CodeCommit: the commit ID, branch, or Git tag to use.
- For GitHub: the commit ID, pull request ID, branch name, or tag name that corresponds to the version of the source code you want to build. If a pull request ID is specified, it must use the format `pr/pull-request-ID` (for example, `pr/25`). If a branch name is specified, the branch's HEAD commit ID is used. If not specified, the default branch's HEAD commit ID is used.
- For GitLab: the commit ID, branch, or Git tag to use.
- For Bitbucket: the commit ID, branch name, or tag name that corresponds to the version of the source code you want to build. If a branch name is specified, the branch's HEAD commit ID is used. If not specified, the default branch's HEAD commit ID is used.
- For Amazon S3: the version ID of the object that represents the build input ZIP file to use.

For more information, see Source Version Sample with CodeBuild in the *AWS CodeBuild User Guide*.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ProxyConfiguration

Information about the proxy configurations that apply network access control to your reserved capacity instances.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

defaultBehavior

The default behavior of outgoing traffic.

Type: String

Valid Values: `ALLOW_ALL | DENY_ALL`

Required: No

orderedProxyRules

An array of `FleetProxyRule` objects that represent the specified destination domains or IPs to allow or deny network access control to.

Type: Array of FleetProxyRule objects

Array Members: Maximum number of 100 items.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2

- AWS SDK for Ruby V3

PullRequestBuildPolicy

A PullRequestBuildPolicy object that defines comment-based approval requirements for triggering builds on pull requests. This policy helps control when automated builds are executed based on contributor permissions and approval workflows.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

requiresCommentApproval

Specifies when comment-based approval is required before triggering a build on pull requests. This setting determines whether builds run automatically or require explicit approval through comments.

- *DISABLED*: Builds trigger automatically without requiring comment approval
- *ALL_PULL_REQUESTS*: All pull requests require comment approval before builds execute (unless contributor is one of the approver roles)
- *FORK_PULL_REQUESTS*: Only pull requests from forked repositories require comment approval (unless contributor is one of the approver roles)

Type: String

Valid Values: `DISABLED | ALL_PULL_REQUESTS | FORK_PULL_REQUESTS`

Required: Yes

approverRoles

List of repository roles that have approval privileges for pull request builds when comment approval is required. Only users with these roles can provide valid comment approvals. If a pull request contributor is one of these roles, their pull request builds will trigger automatically. This field is only applicable when `requiresCommentApproval` is not *DISABLED*.

Type: Array of strings

Valid Values: `GITHUB_READ | GITHUB_TRIAGE | GITHUB_WRITE | GITHUB_MAINTAIN | GITHUB_ADMIN | GITLAB_GUEST | GITLAB_PLANNER | GITLAB_REPORTER | GITLAB_DEVELOPER | GITLAB_MAINTAINER | GITLAB_OWNER | BITBUCKET_READ | BITBUCKET_WRITE | BITBUCKET_ADMIN`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RegistryCredential

Information about credentials that provide access to a private Docker registry. When this is set:

- `imagePullCredentialsType` must be set to `SERVICE_ROLE`.
- images cannot be curated or an Amazon ECR image.

For more information, see Private Registry with AWS Secrets Manager Sample for AWS CodeBuild.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

credential

The Amazon Resource Name (ARN) or name of credentials created using AWS Secrets Manager.

> **Note**
>
> The `credential` can use the name of the credentials only if they exist in your current AWS Region.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

credentialProvider

The service that created the credentials to access a private Docker registry. The valid value, SECRETS_MANAGER, is for AWS Secrets Manager.

Type: String

Valid Values: `SECRETS_MANAGER`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Report

Information about the results from running a series of test cases during the run of a build project. The test cases are specified in the buildspec for the build project using one or more paths to the test case files. You can specify any type of tests you want, such as unit tests, integration tests, and functional tests.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

arn

The ARN of the report run.

Type: String

Length Constraints: Minimum length of 1.

Required: No

codeCoverageSummary

A `CodeCoverageReportSummary` object that contains a code coverage summary for this report.

Type: CodeCoverageReportSummary object

Required: No

created

The date and time this report run occurred.

Type: Timestamp

Required: No

executionId

The ARN of the build run that generated this report.

Type: String

Required: No

expired

The date and time a report expires. A report expires 30 days after it is created. An expired report is not available to view in CodeBuild.

Type: Timestamp

Required: No

exportConfig

Information about where the raw data used to generate this report was exported.

Type: ReportExportConfig object

Required: No

name

The name of the report that was run.

Type: String

Required: No

reportGroupArn

The ARN of the report group associated with this report.

Type: String

Length Constraints: Minimum length of 1.

Required: No

status

The status of this report.

Type: String

Valid Values: `GENERATING | SUCCEEDED | FAILED | INCOMPLETE | DELETING`

Required: No

testSummary

A `TestReportSummary` object that contains information about this test report.

Type: TestReportSummary object

Required: No

truncated

A boolean that specifies if this report run is truncated. The list of test cases is truncated after the maximum number of test cases is reached.

Type: Boolean

Required: No

type

The type of the report that was run.

CODE_COVERAGE

A code coverage report.

TEST

A test report.

Type: String

Valid Values: `TEST | CODE_COVERAGE`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ReportExportConfig

Information about the location where the run of a report is exported.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

exportConfigType

The export configuration type. Valid values are:

- S3: The report results are exported to an S3 bucket.
- NO_EXPORT: The report results are not exported.

Type: String

Valid Values: `S3 | NO_EXPORT`

Required: No

s3Destination

A `S3ReportExportConfig` object that contains information about the S3 bucket where the run of a report is exported.

Type: S3ReportExportConfig object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2

- AWS SDK for Ruby V3

ReportFilter

A filter used to return reports with the status specified by the input `status` parameter.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

status

The status used to filter reports. You can filter using one status only.

Type: String

Valid Values: `GENERATING | SUCCEEDED | FAILED | INCOMPLETE | DELETING`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ReportGroup

A series of reports. Each report contains information about the results from running a series of test cases. You specify the test cases for a report group in the buildspec for a build project using one or more paths to the test case files.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

arn

The ARN of the `ReportGroup`.

Type: String

Length Constraints: Minimum length of 1.

Required: No

created

The date and time this `ReportGroup` was created.

Type: Timestamp

Required: No

exportConfig

Information about the destination where the raw data of this `ReportGroup` is exported.

Type: ReportExportConfig object

Required: No

lastModified

The date and time this `ReportGroup` was last modified.

Type: Timestamp

Required: No

name

The name of the `ReportGroup`.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 128.

Required: No

status

The status of the report group. This property is read-only.

This can be one of the following values:

ACTIVE

The report group is active.

DELETING

The report group is in the process of being deleted.

Type: String

Valid Values: `ACTIVE | DELETING`

Required: No

tags

A list of tag key and value pairs associated with this report group.

These tags are available for use by AWS services that support AWS CodeBuild report group tags.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 50 items.

Required: No

type

The type of the `ReportGroup`. This can be one of the following values:

CODE_COVERAGE

The report group contains code coverage reports.

TEST

The report group contains test reports.

Type: String

Valid Values: `TEST | CODE_COVERAGE`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ReportGroupTrendStats

Contains trend statistics for a set of reports. The actual values depend on the type of trend being collected. For more information, see GetReportGroupTrend.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

average

Contains the average of all values analyzed.

Type: String

Required: No

max

Contains the maximum value analyzed.

Type: String

Required: No

min

Contains the minimum value analyzed.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

ReportWithRawData

Contains the unmodified data for the report. For more information, see GetReportGroupTrend.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

data

The value of the requested data field from the report.

Type: String

Required: No

reportArn

The ARN of the report.

Type: String

Length Constraints: Minimum length of 1.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ResolvedArtifact

Represents a resolved build artifact. A resolved artifact is an artifact that is built and deployed to the destination, such as Amazon S3.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

identifier

The identifier of the artifact.

Type: String

Required: No

location

The location of the artifact.

Type: String

Required: No

type

Specifies the type of artifact.

Type: String

Valid Values: `CODEPIPELINE | S3 | NO_ARTIFACTS`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

S3LogsConfig

Information about S3 logs for a build project.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

status

The current status of the S3 build logs. Valid values are:

- `ENABLED`: S3 build logs are enabled for this build project.
- `DISABLED`: S3 build logs are not enabled for this build project.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: Yes

bucketOwnerAccess

Specifies the bucket owner's access for objects that another account uploads to their Amazon S3 bucket. By default, only the account that uploads the objects to the bucket has access to these objects. This property allows you to give the bucket owner access to these objects.

> **Note**
>
> To use this property, your CodeBuild service role must have the `s3:PutBucketAcl` permission. This permission allows CodeBuild to modify the access control list for the bucket.

This property can be one of the following values:

NONE

The bucket owner does not have access to the objects. This is the default.

READ_ONLY

The bucket owner has read-only access to the objects. The uploading account retains ownership of the objects.

FULL

The bucket owner has full access to the objects. Object ownership is determined by the following criteria:

- If the bucket is configured with the **Bucket owner preferred** setting, the bucket owner owns the objects. The uploading account will have object access as specified by the bucket's policy.
- Otherwise, the uploading account retains ownership of the objects.

For more information about Amazon S3 object ownership, see Controlling ownership of uploaded objects using S3 Object Ownership in the *Amazon Simple Storage Service User Guide*.

Type: String

Valid Values: `NONE | READ_ONLY | FULL`

Required: No

encryptionDisabled

Set to true if you do not want your S3 build log output encrypted. By default S3 build logs are encrypted.

Type: Boolean

Required: No

location

The ARN of an S3 bucket and the path prefix for S3 logs. If your Amazon S3 bucket name is `my-bucket`, and your path prefix is `build-log`, then acceptable formats are `my-bucket/build-log` or `arn:aws:s3:::my-bucket/build-log`.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

S3ReportExportConfig

Information about the S3 bucket where the raw data of a report are exported.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

bucket

The name of the S3 bucket where the raw data of a report are exported.

Type: String

Length Constraints: Minimum length of 1.

Required: No

bucketOwner

The AWS account identifier of the owner of the Amazon S3 bucket. This allows report data to be exported to an Amazon S3 bucket that is owned by an account other than the account running the build.

Type: String

Required: No

encryptionDisabled

A boolean value that specifies if the results of a report are encrypted.

Type: Boolean

Required: No

encryptionKey

The encryption key for the report's encrypted raw data.

Type: String

Length Constraints: Minimum length of 1.

Required: No

packaging

The type of build output artifact to create. Valid values include:

- `NONE`: CodeBuild creates the raw data in the output bucket. This is the default if packaging is not specified.
- `ZIP`: CodeBuild creates a ZIP file with the raw data in the output bucket.

Type: String

Valid Values: `ZIP | NONE`

Required: No

path

The path to the exported report's raw data results.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Sandbox

Contains sandbox information.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

arn

The ARN of the sandbox.

Type: String

Length Constraints: Minimum length of 1.

Required: No

currentSession

The current session for the sandbox.

Type: SandboxSession object

Required: No

encryptionKey

The AWS Key Management Service customer master key (CMK) to be used for encrypting the sandbox output artifacts.

Type: String

Length Constraints: Minimum length of 1.

Required: No

endTime

When the sandbox process ended, expressed in Unix time format.

Type: Timestamp

Required: No

environment

Information about the build environment of the build project.

Type: ProjectEnvironment object

Required: No

fileSystemLocations

An array of `ProjectFileSystemLocation` objects for a CodeBuild build project. A `ProjectFileSystemLocation` object specifies the `identifier`, `location`, `mountOptions`, `mountPoint`, and `type` of a file system created using Amazon Elastic File System.

Type: Array of ProjectFileSystemLocation objects

Required: No

id

The ID of the sandbox.

Type: String

Length Constraints: Minimum length of 1.

Required: No

logConfig

Information about logs for a build project. These can be logs in CloudWatch Logs, built in a specified S3 bucket, or both.

Type: LogsConfig object

Required: No

projectName

The AWS CodeBuild project name.

Type: String

Length Constraints: Minimum length of 1.

Required: No

queuedTimeoutInMinutes

The number of minutes a sandbox is allowed to be queued before it times out.

Type: Integer

Required: No

requestTime

When the sandbox process was initially requested, expressed in Unix time format.

Type: Timestamp

Required: No

secondarySources

An array of `ProjectSource` objects.

Type: Array of ProjectSource objects

Array Members: Minimum number of 0 items. Maximum number of 12 items.

Required: No

secondarySourceVersions

An array of `ProjectSourceVersion` objects.

Type: Array of ProjectSourceVersion objects

Array Members: Minimum number of 0 items. Maximum number of 12 items.

Required: No

serviceRole

The name of a service role used for this sandbox.

Type: String

Length Constraints: Minimum length of 1.

Required: No

source

Information about the build input source code for the build project.

Type: ProjectSource object

Required: No

sourceVersion

Any version identifier for the version of the sandbox to be built.

Type: String

Length Constraints: Minimum length of 1.

Required: No

startTime

When the sandbox process started, expressed in Unix time format.

Type: Timestamp

Required: No

status

The status of the sandbox.

Type: String

Required: No

timeoutInMinutes

How long, in minutes, from 5 to 2160 (36 hours), for AWS CodeBuild to wait before timing out this sandbox if it does not get marked as completed.

Type: Integer

Required: No

vpcConfig

Information about the VPC configuration that AWS CodeBuild accesses.

Type: VpcConfig object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SandboxSession

Contains information about the sandbox session.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

currentPhase

The current phase for the sandbox.

Type: String

Required: No

endTime

When the sandbox session ended, expressed in Unix time format.

Type: Timestamp

Required: No

id

The ID of the sandbox session.

Type: String

Length Constraints: Minimum length of 1.

Required: No

logs

Information about build logs in CloudWatch Logs.

Type: LogsLocation object

Required: No

networkInterface

Describes a network interface.

Type: NetworkInterface object

Required: No

phases

An array of `SandboxSessionPhase` objects.

Type: Array of SandboxSessionPhase objects

Required: No

resolvedSourceVersion

An identifier for the version of this sandbox's source code.

Type: String

Length Constraints: Minimum length of 1.

Required: No

startTime

When the sandbox session started, expressed in Unix time format.

Type: Timestamp

Required: No

status

The status of the sandbox session.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SandboxSessionPhase

Contains information about the sandbox phase.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

contexts

An array of `PhaseContext` objects.

Type: Array of PhaseContext objects

Required: No

durationInSeconds

How long, in seconds, between the starting and ending times of the sandbox's phase.

Type: Long

Required: No

endTime

When the sandbox phase ended, expressed in Unix time format.

Type: Timestamp

Required: No

phaseStatus

The current status of the sandbox phase. Valid values include:

FAILED

The sandbox phase failed.

FAULT

The sandbox phase faulted.

IN_PROGRESS

The sandbox phase is still in progress.

STOPPED

The sandbox phase stopped.

SUCCEEDED

The sandbox phase succeeded.

TIMED_OUT

The sandbox phase timed out.

Type: String

Valid Values: `SUCCEEDED | FAILED | FAULT | TIMED_OUT | IN_PROGRESS | STOPPED`

Required: No

phaseType

The name of the sandbox phase.

Type: String

Required: No

startTime

When the sandbox phase started, expressed in Unix time format.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2

- AWS SDK for Ruby V3

ScalingConfigurationInput

The scaling configuration input of a compute fleet.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

maxCapacity

The maximum number of instances in the fleet when auto-scaling.

Type: Integer

Required: No

scalingType

The scaling type for a compute fleet.

Type: String

Valid Values: `TARGET_TRACKING_SCALING`

Required: No

targetTrackingScalingConfigs

A list of `TargetTrackingScalingConfiguration` objects.

Type: Array of TargetTrackingScalingConfiguration objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ScalingConfigurationOutput

The scaling configuration output of a compute fleet.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

desiredCapacity

The desired number of instances in the fleet when auto-scaling.

Type: Integer

Required: No

maxCapacity

The maximum number of instances in the fleet when auto-scaling.

Type: Integer

Required: No

scalingType

The scaling type for a compute fleet.

Type: String

Valid Values: `TARGET_TRACKING_SCALING`

Required: No

targetTrackingScalingConfigs

A list of `TargetTrackingScalingConfiguration` objects.

Type: Array of TargetTrackingScalingConfiguration objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ScopeConfiguration

Contains configuration information about the scope for a webhook.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

name

The name of either the group, enterprise, or organization that will send webhook events to CodeBuild, depending on the type of webhook.

Type: String

Required: Yes

scope

The type of scope for a GitHub or GitLab webhook. The scope default is GITHUB_ORGANIZATION.

Type: String

Valid Values: `GITHUB_ORGANIZATION | GITHUB_GLOBAL | GITLAB_GROUP`

Required: Yes

domain

The domain of the GitHub Enterprise organization or the GitLab Self Managed group. Note that this parameter is only required if your project's source type is GITHUB_ENTERPRISE or GITLAB_SELF_MANAGED.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SourceAuth

Information about the authorization settings for AWS CodeBuild to access the source code to be built.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

type

The authorization type to use. Valid options are OAUTH, CODECONNECTIONS, or SECRETS_MANAGER.

Type: String

Valid Values: `OAUTH | CODECONNECTIONS | SECRETS_MANAGER`

Required: Yes

resource

The resource value that applies to the specified authorization type.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SourceCredentialsInfo

Information about the credentials for a GitHub, GitHub Enterprise, GitLab, GitLab Self Managed, or Bitbucket repository.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

arn

The Amazon Resource Name (ARN) of the token.

Type: String

Length Constraints: Minimum length of 1.

Required: No

authType

The type of authentication used by the credentials. Valid options are OAUTH, BASIC_AUTH, PERSONAL_ACCESS_TOKEN, CODECONNECTIONS, or SECRETS_MANAGER.

Type: String

Valid Values: `OAUTH | BASIC_AUTH | PERSONAL_ACCESS_TOKEN | CODECONNECTIONS | SECRETS_MANAGER`

Required: No

resource

The connection ARN if your authType is CODECONNECTIONS or SECRETS_MANAGER.

Type: String

Required: No

serverType

The type of source provider. The valid options are GITHUB, GITHUB_ENTERPRISE, GITLAB, GITLAB_SELF_MANAGED, or BITBUCKET.

Type: String

Valid Values: `GITHUB | BITBUCKET | GITHUB_ENTERPRISE | GITLAB | GITLAB_SELF_MANAGED`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SSMSession

Contains information about the Session Manager session.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

sessionId

The ID of the session.

Type: String

Required: No

streamUrl

A URL back to SSM Agent on the managed node that the Session Manager client uses to send commands and receive output from the node.

Type: String

Required: No

tokenValue

An encrypted token value containing session and caller information.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

Tag

A tag, consisting of a key and a value.

This tag is available for use by AWS services that support tags in AWS CodeBuild.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

key

The tag's key.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 127.

Pattern: `^([\p{L}\p{Z}\p{N}_.:/=@+\-]*)$`

Required: No

value

The tag's value.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: `^([\p{L}\p{Z}\p{N}_.:/=@+\-]*)$`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TargetTrackingScalingConfiguration

Defines when a new instance is auto-scaled into the compute fleet.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

metricType

The metric type to determine auto-scaling.

Type: String

Valid Values: `FLEET_UTILIZATION_RATE`

Required: No

targetValue

The value of `metricType` when to start scaling.

Type: Double

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TestCase

Information about a test case created using a framework such as NUnit or Cucumber. A test case might be a unit test or a configuration test.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

durationInNanoSeconds

The number of nanoseconds it took to run this test case.

Type: Long

Required: No

expired

The date and time a test case expires. A test case expires 30 days after it is created. An expired test case is not available to view in CodeBuild.

Type: Timestamp

Required: No

message

A message associated with a test case. For example, an error message or stack trace.

Type: String

Required: No

name

The name of the test case.

Type: String

Required: No

prefix

A string that is applied to a series of related test cases. CodeBuild generates the prefix. The prefix depends on the framework used to generate the tests.

Type: String

Required: No

reportArn

The ARN of the report to which the test case belongs.

Type: String

Length Constraints: Minimum length of 1.

Required: No

status

The status returned by the test case after it was run. Valid statuses are `SUCCEEDED`, `FAILED`, `ERROR`, `SKIPPED`, and `UNKNOWN`.

Type: String

Required: No

testRawDataPath

The path to the raw data file that contains the test result.

Type: String

Required: No

testSuiteName

The name of the test suite that the test case is a part of.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TestCaseFilter

A filter used to return specific types of test cases. In order to pass the filter, the report must meet all of the filter properties.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

keyword

A keyword that is used to filter on the `name` or the `prefix` of the test cases. Only test cases where the keyword is a substring of the `name` or the `prefix` will be returned.

Type: String

Required: No

status

The status used to filter test cases. A `TestCaseFilter` can have one status. Valid values are:

- `SUCCEEDED`
- `FAILED`
- `ERROR`
- `SKIPPED`
- `UNKNOWN`

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TestReportSummary

Information about a test report.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

durationInNanoSeconds

The number of nanoseconds it took to run all of the test cases in this report.

Type: Long

Required: Yes

statusCounts

A map that contains the number of each type of status returned by the test results in this `TestReportSummary`.

Type: String to integer map

Required: Yes

total

The number of test cases in this `TestReportSummary`. The total includes truncated test cases.

Type: Integer

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

VpcConfig

Information about the VPC configuration that AWS CodeBuild accesses.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

securityGroupIds

A list of one or more security groups IDs in your Amazon VPC.

Type: Array of strings

Array Members: Maximum number of 5 items.

Length Constraints: Minimum length of 1.

Required: No

subnets

A list of one or more subnet IDs in your Amazon VPC.

Type: Array of strings

Array Members: Maximum number of 16 items.

Length Constraints: Minimum length of 1.

Required: No

vpcId

The ID of the Amazon VPC.

Type: String

Length Constraints: Minimum length of 1.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Webhook

Information about a webhook that connects repository events to a build project in AWS CodeBuild.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

branchFilter

A regular expression used to determine which repository branches are built when a webhook is triggered. If the name of a branch matches the regular expression, then it is built. If `branchFilter` is empty, then all branches are built.

> **Note**
>
> It is recommended that you use `filterGroups` instead of `branchFilter`.

Type: String

Required: No

buildType

Specifies the type of build this webhook will trigger.

> **Note**
>
> `RUNNER_BUILDKITE_BUILD` is only available for `NO_SOURCE` source type projects configured for Buildkite runner builds. For more information about CodeBuild-hosted Buildkite runner builds, see Tutorial: Configure a CodeBuild-hosted Buildkite runner in the *AWS CodeBuild user guide*.

Type: String

Valid Values: `BUILD | BUILD_BATCH | RUNNER_BUILDKITE_BUILD`

Required: No

filterGroups

An array of arrays of `WebhookFilter` objects used to determine which webhooks are triggered. At least one `WebhookFilter` in the array must specify `EVENT` as its `type`.

For a build to be triggered, at least one filter group in the `filterGroups` array must pass. For a filter group to pass, each of its filters must pass.

Type: Array of arrays of WebhookFilter objects

Required: No

lastModifiedSecret

A timestamp that indicates the last time a repository's secret token was modified.

Type: Timestamp

Required: No

manualCreation

If manualCreation is true, CodeBuild doesn't create a webhook in GitHub and instead returns `payloadUrl` and `secret` values for the webhook. The `payloadUrl` and `secret` values in the output can be used to manually create a webhook within GitHub.

> **Note**
>
> manualCreation is only available for GitHub webhooks.

Type: Boolean

Required: No

payloadUrl

The AWS CodeBuild endpoint where webhook events are sent.

Type: String

Length Constraints: Minimum length of 1.

Required: No

pullRequestBuildPolicy

A PullRequestBuildPolicy object that defines comment-based approval requirements for triggering builds on pull requests. This policy helps control when automated builds are executed based on contributor permissions and approval workflows.

Type: PullRequestBuildPolicy object

Required: No

scopeConfiguration

The scope configuration for global or organization webhooks.

> **Note**
>
> Global or organization webhooks are only available for GitHub and Github Enterprise webhooks.

Type: ScopeConfiguration object

Required: No

secret

The secret token of the associated repository.

> **Note**
>
> A Bitbucket webhook does not support `secret`.

Type: String

Length Constraints: Minimum length of 1.

Required: No

status

The status of the webhook. Valid values include:

- `CREATING`: The webhook is being created.
- `CREATE_FAILED`: The webhook has failed to create.
- `ACTIVE`: The webhook has succeeded and is active.
- `DELETING`: The webhook is being deleted.

Type: String

Valid Values: `CREATING | CREATE_FAILED | ACTIVE | DELETING`

Required: No

statusMessage

A message associated with the status of a webhook.

Type: String

Required: No

url

The URL to the webhook.

Type: String

Length Constraints: Minimum length of 1.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

WebhookFilter

A filter used to determine which webhooks trigger a build.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

pattern

For a `WebHookFilter` that uses `EVENT` type, a comma-separated string that specifies one or more events. For example, the webhook filter `PUSH, PULL_REQUEST_CREATED, PULL_REQUEST_UPDATED` allows all push, pull request created, and pull request updated events to trigger a build.

For a `WebHookFilter` that uses any of the other filter types, a regular expression pattern. For example, a `WebHookFilter` that uses `HEAD_REF` for its `type` and the pattern `^refs/heads/` triggers a build when the head reference is a branch with a reference name `refs/heads/branch-name`.

CodeBuild evaluates filter patterns using RE2 regular expression syntax. RE2 does not support lookahead assertions (`(?=`, `(?!`), lookbehind assertions (`(?<=`, `(?<!`), or backreferences (`\1`). `CreateWebhook` and `UpdateWebhook` requests that include an unsupported pattern fail with an `InvalidInputException`. To trigger builds only on events that do not match a pattern, use a matching pattern with `excludeMatchedPattern` set to `true` instead of negative lookahead.

Type: String

Required: Yes

type

The type of webhook filter. There are 11 webhook filter types: `EVENT`, `ACTOR_ACCOUNT_ID`, `HEAD_REF`, `BASE_REF`, `FILE_PATH`, `COMMIT_MESSAGE`, `TAG_NAME`, `RELEASE_NAME`, `REPOSITORY_NAME`, `ORGANIZATION_NAME`, and `WORKFLOW_NAME`.

- EVENT

- A webhook event triggers a build when the provided `pattern` matches one of nine event types: `PUSH`, `PULL_REQUEST_CREATED`, `PULL_REQUEST_UPDATED`, `PULL_REQUEST_CLOSED`, `PULL_REQUEST_REOPENED`, `PULL_REQUEST_MERGED`, `RELEASED`, `PRERELEASED`, and `WORKFLOW_JOB_QUEUED`. The `EVENT` patterns are specified as a comma-separated string. For example, `PUSH, PULL_REQUEST_CREATED, PULL_REQUEST_UPDATED` filters all push, pull request created, and pull request updated events.

  > **Note**
  >
  > Types `PULL_REQUEST_REOPENED` and `WORKFLOW_JOB_QUEUED` work with GitHub and GitHub Enterprise only. Types `RELEASED` and `PRERELEASED` work with GitHub only.

- ACTOR_ACCOUNT_ID
  - A webhook event triggers a build when a GitHub, GitHub Enterprise, or Bitbucket account ID matches the regular expression `pattern`.
- HEAD_REF
  - A webhook event triggers a build when the head reference matches the regular expression `pattern`. For example, `refs/heads/branch-name` and `refs/tags/tag-name`.

  > **Note**
  >
  > Works with GitHub and GitHub Enterprise push, GitHub and GitHub Enterprise pull request, Bitbucket push, and Bitbucket pull request events.

- BASE_REF
  - A webhook event triggers a build when the base reference matches the regular expression `pattern`. For example, `refs/heads/branch-name`.

  > **Note**
  >
  > Works with pull request events only.

- FILE_PATH
  - A webhook triggers a build when the path of a changed file matches the regular expression `pattern`.

> **Note**
>
> Works with push and pull request events only.

- COMMIT_MESSAGE
  - A webhook triggers a build when the head commit message matches the regular expression `pattern`.

> **Note**
>
> Works with push and pull request events only.

- TAG_NAME
  - A webhook triggers a build when the tag name of the release matches the regular expression `pattern`.

> **Note**
>
> Works with RELEASED and PRERELEASED events only.

- RELEASE_NAME
  - A webhook triggers a build when the release name matches the regular expression `pattern`.

> **Note**
>
> Works with RELEASED and PRERELEASED events only.

- REPOSITORY_NAME
  - A webhook triggers a build when the repository name matches the regular expression `pattern`.

> **Note**
>
> Works with GitHub global or organization webhooks only.

- ORGANIZATION_NAME

- A webhook triggers a build when the organization name matches the regular expression `pattern`.

> **Note**
>
> Works with GitHub global webhooks only.

- WORKFLOW_NAME
  - A webhook triggers a build when the workflow name matches the regular expression `pattern`.

> **Note**
>
> Works with `WORKFLOW_JOB_QUEUED` events only.

> **Note**
>
> For CodeBuild-hosted Buildkite runner builds, WORKFLOW_NAME filters will filter by pipeline name.

Type: String

Valid Values: `EVENT | BASE_REF | HEAD_REF | ACTOR_ACCOUNT_ID | FILE_PATH | COMMIT_MESSAGE | WORKFLOW_NAME | TAG_NAME | RELEASE_NAME | REPOSITORY_NAME | ORGANIZATION_NAME`

Required: Yes

excludeMatchedPattern

Used to indicate that the `pattern` determines which webhook events do not trigger a build. If true, then a webhook event that does not match the `pattern` triggers a build. If false, then a webhook event that matches the `pattern` triggers a build.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see Signing AWS API requests in the *IAM User Guide*.

X-Amz-Algorithm

The hash algorithm that you used to create the request signature.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Valid Values: `AWS4-HMAC-SHA256`

Required: Conditional

X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4_request"). The value is expressed in the following format: *access_key*/*YYYYMMDD*/*region*/*service*/aws4_request.

For more information, see Create a signed AWS API request in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-Date

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'T'HHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: `20120325T120000Z`.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see Elements of an AWS API request signature in the *IAM User Guide*.

Type: string

Required: Conditional

X-Amz-Security-Token

The temporary security token that was obtained through a call to AWS Security Token Service (AWS STS). For a list of services that support temporary security credentials from AWS STS, see AWS services that work with IAM in the *IAM User Guide*.

Condition: If you're using temporary security credentials from AWS STS, you must include the security token.

Type: string

Required: Conditional

X-Amz-Signature

Specifies the hex-encoded signature that was calculated from the string to sign and the derived signing key.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-SignedHeaders

Specifies all the HTTP headers that were included as part of the canonical request. For more information about specifying signed headers, see Create a signed AWS API request in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

Common Error Types

This section lists common error types that this AWS service may return. Not all services return all error types listed here. For errors specific to an API action for this service, see the topic for that API action.

AccessDeniedException

You don't have permission to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 403

ExpiredTokenException

The security token included in the request has expired. Request a new security token and try again.

HTTP Status Code: 403

IncompleteSignature

The request signature doesn't conform to AWS standards. Verify that you're using valid AWS credentials and that your request is properly formatted. If you're using an SDK, ensure it's up to date.

HTTP Status Code: 403

InternalFailure

The request can't be processed right now because of an internal server issue. Try again later. If the problem persists, contact AWS Support.

HTTP Status Code: 500

MalformedHttpRequestException

The request body can't be processed. This typically happens when the request body can't be decompressed using the specified content encoding algorithm. Verify that the content encoding header matches the compression format used.

HTTP Status Code: 400

NotAuthorized

You don't have permissions to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 401

OptInRequired

Your AWS account needs a subscription for this service. Verify that you've enabled the service in your account.

HTTP Status Code: 403

RequestAbortedException

The request was aborted before a response could be returned. This typically happens when the client closes the connection.

HTTP Status Code: 400

RequestEntityTooLargeException

The request entity is too large. Reduce the size of the request body and try again.

HTTP Status Code: 413

RequestTimeoutException

The request timed out. The server didn't receive the complete request within the expected time frame. Try again.

HTTP Status Code: 408

ServiceUnavailable

The service is temporarily unavailable. Try again later.

HTTP Status Code: 503

ThrottlingException

Your request rate is too high. The AWS SDKs automatically retry requests that receive this exception. Reduce the frequency of requests.

HTTP Status Code: 400

UnknownOperationException

The action or operation isn't recognized. Verify that the action name is spelled correctly and that it's supported by the API version you're using.

HTTP Status Code: 404

UnrecognizedClientException

The X.509 certificate or AWS access key ID you provided doesn't exist in our records. Verify that you're using valid credentials and that they haven't expired.

HTTP Status Code: 403

ValidationError

The input doesn't meet the required format or constraints. Check that all required parameters are included and that values are valid.

HTTP Status Code: 400