aws

Welcome

Amplify

API Version 2017-07-25

Amplify: Welcome

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Welcome

Welcome to the AWS Amplify Hosting API documentation. This reference provides descriptions of the actions and data types for the Amplify Hosting API. If you are looking for the API documentation for the Amplify iOS, Amplify Android, and Amplify client libraries, see the open-source documentation for the [Amplify Framework.](#)

Amplify enables developers to develop and deploy cloud-powered mobile and web apps. Amplify Hosting provides a continuous delivery and hosting service for web applications. For more information, see the [Amplify Hosting User Guide](#). The Amplify Framework is a comprehensive set of SDKs, libraries, tools, and documentation for client app development. For more information, see the [Amplify Framework.](#)

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Actions

The following actions are supported:

- CreateApp

- CreateBackendEnvironment

- CreateBranch

- CreateDeployment

- CreateDomainAssociation

- CreateWebhook

- DeleteApp

- DeleteBackendEnvironment

- DeleteBranch

- DeleteDomainAssociation

- DeleteJob

- DeleteWebhook

- GenerateAccessLogs

- GetApp

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- ListWebhooks

- StartDeployment

- StartJob

- StopJob

- TagResource

- UntagResource

- UpdateApp

- UpdateBranch

- UpdateDomainAssociation

- UpdateWebhook

CreateApp

Creates a new Amplify app.

Request Syntax

```
POST /apps HTTP/1.1
Content-type: application/json

{
   "accessToken": "string",
   "autoBranchCreationConfig": {
      "basicAuthCredentials": "string",
      "buildSpec": "string",
      "enableAutoBuild": boolean,
      "enableBasicAuth": boolean,
      "enablePerformanceMode": boolean,
      "enablePullRequestPreview": boolean,
      "environmentVariables": {
         "string" : "string"
      },
      "framework": "string",
      "pullRequestEnvironmentName": "string",
      "stage": "string"
   },
   "autoBranchCreationPatterns": [ "string" ],
   "basicAuthCredentials": "string",
   "buildSpec": "string",
   "cacheConfig": {
      "type": "string"
   },
   "computeRoleArn": "string",
   "customHeaders": "string",
   "customRules": [
      {
         "condition": "string",
         "source": "string",
         "status": "string",
         "target": "string"
      }
   ],
   "description": "string",
   "enableAutoBranchCreation": boolean,
```

```
        "enableBasicAuth": boolean,
        "enableBranchAutoBuild": boolean,
        "enableBranchAutoDeletion": boolean,
        "environmentVariables": {
            "string" : "string"
        },
        "iamServiceRoleArn": "string",
        "jobConfig": {
            "buildComputeType": "string"
        },
        "name": "string",
        "oauthToken": "string",
        "platform": "string",
        "repository": "string",
        "tags": {
            "string" : "string"
        }
    }
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

accessToken

The personal access token for a GitHub repository for an Amplify app. The personal access token is used to authorize access to a GitHub repository using the Amplify GitHub App. The token is not stored.

Use `accessToken` for GitHub repositories only. To authorize access to a repository provider such as Bitbucket or CodeCommit, use `oauthToken`.

You must specify either `accessToken` or `oauthToken` when you create a new app.

Existing Amplify apps deployed from a GitHub repository using OAuth continue to work with CI/CD. However, we strongly recommend that you migrate these apps to use the GitHub App. For more information, see Migrating an existing OAuth app to the Amplify GitHub App in the *Amplify User Guide* .

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `(?s).+`

Required: No

autoBranchCreationConfig

The automated branch creation configuration for an Amplify app.

Type: AutoBranchCreationConfig object

Required: No

autoBranchCreationPatterns

The automated branch creation glob patterns for an Amplify app.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `(?s).+`

Required: No

basicAuthCredentials

The credentials for basic authorization for an Amplify app. You must base64-encode the authorization credentials and provide them in the format `user:password`.

Type: String

Length Constraints: Maximum length of 2000.

Pattern: `(?s).*`

Required: No

buildSpec

The build specification (build spec) for an Amplify app.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 25000.

Pattern: `(?s).+`

Required: No

cacheConfig

The cache configuration for the Amplify app.

Type: CacheConfig object

Required: No

computeRoleArn

The Amazon Resource Name (ARN) of the IAM role to assign to an SSR app. The SSR Compute role allows the Amplify Hosting compute service to securely access specific AWS resources based on the role's permissions. For more information about the SSR Compute role, see Adding an SSR Compute role in the *Amplify User Guide*.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Pattern: `(?s).*`

Required: No

customHeaders

The custom HTTP headers for an Amplify app.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 25000.

Pattern: `(?s).*`

Required: No

customRules

The custom rewrite and redirect rules for an Amplify app.

Type: Array of CustomRule objects

Required: No

description

The description of the Amplify app.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: (?s).*

Required: No

enableAutoBranchCreation

Enables automated branch creation for an Amplify app.

Type: Boolean

Required: No

enableBasicAuth

Enables basic authorization for an Amplify app. This will apply to all branches that are part of this app.

Type: Boolean

Required: No

enableBranchAutoBuild

Enables the auto building of branches for an Amplify app.

Type: Boolean

Required: No

enableBranchAutoDeletion

Automatically disconnects a branch in the Amplify console when you delete a branch from your Git repository.

Type: Boolean

Required: No

environmentVariables

The environment variables map for an Amplify app.

For a list of the environment variables that are accessible to Amplify by default, see Amplify Environment variables in the *Amplify Hosting User Guide*.

Type: String to string map

Key Length Constraints: Maximum length of 255.

Key Pattern: `(?s).*`

Value Length Constraints: Maximum length of 5500.

Value Pattern: `(?s).*`

Required: No

iamServiceRoleArn

The Amazon Resource Name (ARN) of the IAM service role for the Amplify app.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Pattern: `(?s).*`

Required: No

jobConfig

Describes the configuration details that apply to the jobs for an Amplify app.

Type: JobConfig object

Required: No

name

The name of the Amplify app.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `(?s).+`

Required: Yes

oauthToken

The OAuth token for a third-party source control system for an Amplify app. The OAuth token is used to create a webhook and a read-only deploy key using SSH cloning. The OAuth token is not stored.

Use `oauthToken` for repository providers other than GitHub, such as Bitbucket or CodeCommit. To authorize access to GitHub as your repository provider, use `accessToken`.

You must specify either `oauthToken` or `accessToken` when you create a new app.

Existing Amplify apps deployed from a GitHub repository using OAuth continue to work with CI/CD. However, we strongly recommend that you migrate these apps to use the GitHub App. For more information, see Migrating an existing OAuth app to the Amplify GitHub App in the *Amplify User Guide* .

Type: String

Length Constraints: Maximum length of 1000.

Pattern: `(?s).*`

Required: No

platform

The platform for the Amplify app. For a static app, set the platform type to `WEB`. For a dynamic server-side rendered (SSR) app, set the platform type to `WEB_COMPUTE`. For an app requiring Amplify Hosting's original SSR support only, set the platform type to `WEB_DYNAMIC`.

If you are deploying an SSG only app with Next.js version 14 or later, you must set the platform type to `WEB_COMPUTE` and set the artifacts `baseDirectory` to `.next` in the application's build settings. For an example of the build specification settings, see Amplify build settings for a Next.js 14 SSG application in the *Amplify Hosting User Guide*.

Type: String

Valid Values: `WEB | WEB_DYNAMIC | WEB_COMPUTE`

Required: No

repository

The Git repository for the Amplify app.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: `(?s).*`

Required: No

tags

The tag for an Amplify app.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-=._:/]+$`

Value Length Constraints: Maximum length of 256.

Value Pattern: `^([\p{L}\p{Z}\p{N}_.:/=+\-@]*)$`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "app": {
        "appArn": "string",
        "appId": "string",
        "autoBranchCreationConfig": {
            "basicAuthCredentials": "string",
            "buildSpec": "string",
            "enableAutoBuild": boolean,
            "enableBasicAuth": boolean,
            "enablePerformanceMode": boolean,
            "enablePullRequestPreview": boolean,
            "environmentVariables": {
                "string" : "string"
            },
```

```
            "framework": "string",
            "pullRequestEnvironmentName": "string",
            "stage": "string"
        },
        "autoBranchCreationPatterns": [ "string" ],
        "basicAuthCredentials": "string",
        "buildSpec": "string",
        "cacheConfig": {
            "type": "string"
        },
        "computeRoleArn": "string",
        "createTime": number,
        "customHeaders": "string",
        "customRules": [
            {
                "condition": "string",
                "source": "string",
                "status": "string",
                "target": "string"
            }
        ],
        "defaultDomain": "string",
        "description": "string",
        "enableAutoBranchCreation": boolean,
        "enableBasicAuth": boolean,
        "enableBranchAutoBuild": boolean,
        "enableBranchAutoDeletion": boolean,
        "environmentVariables": {
            "string" : "string"
        },
        "iamServiceRoleArn": "string",
        "jobConfig": {
            "buildComputeType": "string"
        },
        "name": "string",
        "platform": "string",
        "productionBranch": {
            "branchName": "string",
            "lastDeployTime": number,
            "status": "string",
            "thumbnailUrl": "string"
        },
        "repository": "string",
        "repositoryCloneMethod": "string",
```

```
        "tags": {
            "string" : "string"
        },
        "updateTime": number,
        "wafConfiguration": {
            "statusReason": "string",
            "wafStatus": "string",
            "webAclArn": "string"
        },
        "webhookCreateTime": number
    }
}
```

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.

app

Represents the different branches of a repository for building, deploying, and hosting an Amplify app.

Type: App object

Errors

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

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

DependentServiceFailureException

An operation failed because a dependent service threw an exception.

HTTP Status Code: 503

InternalFailureException

The service failed to perform an operation due to an internal issue.

HTTP Status Code: 500

LimitExceededException

A resource could not be created because service quotas were exceeded.

HTTP Status Code: 429

UnauthorizedException

An operation failed due to a lack of access.

HTTP Status Code: 401

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](#)
- [AWS SDK for Ruby V3](#)

CreateBackendEnvironment

Creates a new backend environment for an Amplify app.

This API is available only to Amplify Gen 1 applications where the backend is created using Amplify Studio or the Amplify command line interface (CLI). This API isn't available to Amplify Gen 2 applications. When you deploy an application with Amplify Gen 2, you provision the app's backend infrastructure using Typescript code.

Request Syntax

```
POST /apps/appId/backendenvironments HTTP/1.1
Content-type: application/json

{
    "deploymentArtifacts": "string",
    "environmentName": "string",
    "stackName": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

appId

    The unique ID for an Amplify app.

    Length Constraints: Minimum length of 1. Maximum length of 20.

    Pattern: d[a-z0-9]+

    Required: Yes

Request Body

The request accepts the following data in JSON format.

deploymentArtifacts

    The name of deployment artifacts.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Pattern: `(?s).+`

Required: No

environmentName

The name for the backend environment.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `(?s).+`

Required: Yes

stackName

The AWS CloudFormation stack name of a backend environment.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `(?s).+`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "backendEnvironment": {
        "backendEnvironmentArn": "string",
        "createTime": number,
        "deploymentArtifacts": "string",
        "environmentName": "string",
```

```
        "stackName": "string",
        "updateTime": number
    }
}
```

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.

backendEnvironment

Describes the backend environment for an Amplify app.

Type: BackendEnvironment object

Errors

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

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

InternalFailureException

The service failed to perform an operation due to an internal issue.

HTTP Status Code: 500

LimitExceededException

A resource could not be created because service quotas were exceeded.

HTTP Status Code: 429

NotFoundException

An entity was not found during an operation.

HTTP Status Code: 404

UnauthorizedException

An operation failed due to a lack of access.

HTTP Status Code: 401

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](#)
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- [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](#)
- [AWS SDK for Ruby V3](#)

CreateBranch

Creates a new branch for an Amplify app.

Request Syntax

```
POST /apps/appId/branches HTTP/1.1
Content-type: application/json

{
    "backend": {
        "stackArn": "string"
    },
    "backendEnvironmentArn": "string",
    "basicAuthCredentials": "string",
    "branchName": "string",
    "buildSpec": "string",
    "computeRoleArn": "string",
    "description": "string",
    "displayName": "string",
    "enableAutoBuild": boolean,
    "enableBasicAuth": boolean,
    "enableNotification": boolean,
    "enablePerformanceMode": boolean,
    "enablePullRequestPreview": boolean,
    "enableSkewProtection": boolean,
    "environmentVariables": {
        "string" : "string"
    },
    "framework": "string",
    "pullRequestEnvironmentName": "string",
    "stage": "string",
    "tags": {
        "string" : "string"
    },
    "ttl": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

appId

The unique ID for an Amplify app.

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: d[a-z0-9]+

Required: Yes

Request Body

The request accepts the following data in JSON format.

backend

The backend for a `Branch` of an Amplify app. Use for a backend created from an CloudFormation stack.

This field is available to Amplify Gen 2 apps only. When you deploy an application with Amplify Gen 2, you provision the app's backend infrastructure using Typescript code.

Type: Backend object

Required: No

backendEnvironmentArn

The Amazon Resource Name (ARN) for a backend environment that is part of a Gen 1 Amplify app.

This field is available to Amplify Gen 1 apps only where the backend is created using Amplify Studio or the Amplify command line interface (CLI).

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Pattern: (?s).*

Required: No

basicAuthCredentials

The basic authorization credentials for the branch. You must base64-encode the authorization credentials and provide them in the format `user:password`.

Type: String

Length Constraints: Maximum length of 2000.

Pattern: `(?s).*`

Required: No

branchName

The name for the branch.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `(?s).+`

Required: Yes

buildSpec

The build specification (build spec) for the branch.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 25000.

Pattern: `(?s).+`

Required: No

computeRoleArn

The Amazon Resource Name (ARN) of the IAM role to assign to a branch of an SSR app. The SSR Compute role allows the Amplify Hosting compute service to securely access specific AWS resources based on the role's permissions. For more information about the SSR Compute role, see Adding an SSR Compute role in the *Amplify User Guide*.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Pattern: `(?s).*`

Required: No

description

The description for the branch.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: `(?s).*`

Required: No

displayName

The display name for a branch. This is used as the default domain prefix.

Type: String

Length Constraints: Maximum length of 255.

Pattern: `(?s).*`

Required: No

enableAutoBuild

Enables auto building for the branch.

Type: Boolean

Required: No

enableBasicAuth

Enables basic authorization for the branch.

Type: Boolean

Required: No

enableNotification

Enables notifications for the branch.

Type: Boolean

Required: No

enablePerformanceMode

Enables performance mode for the branch.

Performance mode optimizes for faster hosting performance by keeping content cached at the edge for a longer interval. When performance mode is enabled, hosting configuration or code changes can take up to 10 minutes to roll out.

Type: Boolean

Required: No

enablePullRequestPreview

Enables pull request previews for this branch.

Type: Boolean

Required: No

enableSkewProtection

Specifies whether the skew protection feature is enabled for the branch.

Deployment skew protection is available to Amplify applications to eliminate version skew issues between client and servers in web applications. When you apply skew protection to a branch, you can ensure that your clients always interact with the correct version of server-side assets, regardless of when a deployment occurs. For more information about skew protection, see Skew protection for Amplify deployments in the *Amplify User Guide*.

Type: Boolean

Required: No

environmentVariables

The environment variables for the branch.

Type: String to string map

Key Length Constraints: Maximum length of 255.

Key Pattern: `(?s).*`

Value Length Constraints: Maximum length of 5500.

Value Pattern: `(?s).*`

Required: No

framework

The framework for the branch.

Type: String

Length Constraints: Maximum length of 255.

Pattern: `(?s).*`

Required: No

pullRequestEnvironmentName

The Amplify environment name for the pull request.

Type: String

Length Constraints: Maximum length of 20.

Pattern: `(?s).*`

Required: No

stage

Describes the current stage for the branch.

Type: String

Valid Values: `PRODUCTION | BETA | DEVELOPMENT | EXPERIMENTAL | PULL_REQUEST`

Required: No

tags

The tag for the branch.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-=._:/]+$`

Value Length Constraints: Maximum length of 256.

Value Pattern: `^([\p{L}\p{Z}\p{N}_.:/=+\-@]*)$`

Required: No

ttl

The content Time To Live (TTL) for the website in seconds.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 32.

Pattern: `\d*`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "branch": {
      "activeJobId": "string",
      "associatedResources": [ "string" ],
      "backend": {
         "stackArn": "string"
      },
      "backendEnvironmentArn": "string",
      "basicAuthCredentials": "string",
```

```
      "branchArn": "string",
      "branchName": "string",
      "buildSpec": "string",
      "computeRoleArn": "string",
      "createTime": number,
      "customDomains": [ "string" ],
      "description": "string",
      "destinationBranch": "string",
      "displayName": "string",
      "enableAutoBuild": boolean,
      "enableBasicAuth": boolean,
      "enableNotification": boolean,
      "enablePerformanceMode": boolean,
      "enablePullRequestPreview": boolean,
      "enableSkewProtection": boolean,
      "environmentVariables": {
          "string" : "string"
      },
      "framework": "string",
      "pullRequestEnvironmentName": "string",
      "sourceBranch": "string",
      "stage": "string",
      "tags": {
          "string" : "string"
      },
      "thumbnailUrl": "string",
      "totalNumberOfJobs": "string",
      "ttl": "string",
      "updateTime": number
   }
 }
```

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.

branch

Describes the branch for an Amplify app, which maps to a third-party repository branch.

Type: Branch object

Errors

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

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

DependentServiceFailureException

An operation failed because a dependent service threw an exception.

HTTP Status Code: 503

InternalFailureException

The service failed to perform an operation due to an internal issue.

HTTP Status Code: 500

LimitExceededException

A resource could not be created because service quotas were exceeded.

HTTP Status Code: 429

NotFoundException

An entity was not found during an operation.

HTTP Status Code: 404

UnauthorizedException

An operation failed due to a lack of access.

HTTP Status Code: 401

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](#)
- [AWS SDK for Ruby V3](#)

CreateDeployment

Creates a deployment for a manually deployed Amplify app. Manually deployed apps are not connected to a Git repository.

The maximum duration between the `CreateDeployment` call and the `StartDeployment` call cannot exceed 8 hours. If the duration exceeds 8 hours, the `StartDeployment` call and the associated `Job` will fail.

Request Syntax

```
POST /apps/appId/branches/branchName/deployments HTTP/1.1
Content-type: application/json

{
   "fileMap": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

appId

The unique ID for an Amplify app.

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `d[a-z0-9]+`

Required: Yes

branchName

The name of the branch to use for the job.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `(?s).+`

Required: Yes

Request Body

The request accepts the following data in JSON format.

fileMap

An optional file map that contains the file name as the key and the file content md5 hash as the value. If this argument is provided, the service will generate a unique upload URL per file. Otherwise, the service will only generate a single upload URL for the zipped files.

Type: String to string map

Key Length Constraints: Maximum length of 255.

Key Pattern: `(?s).*`

Value Length Constraints: Maximum length of 32.

Value Pattern: `(?s).*`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "fileUploadUrls": {
      "string" : "string"
   },
   "jobId": "string",
   "zipUploadUrl": "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.

fileUploadUrls

When the `fileMap` argument is provided in the request, `fileUploadUrls` will contain a map of file names to upload URLs.

Type: String to string map

Key Length Constraints: Maximum length of 255.

Key Pattern: `(?s).*`

Value Length Constraints: Maximum length of 1000.

jobId

The job ID for this deployment. will supply to start deployment api.

Type: String

Length Constraints: Maximum length of 255.

Pattern: `[0-9]+`

zipUploadUrl

When the `fileMap` argument is not provided in the request, this `zipUploadUrl` is returned.

Type: String

Length Constraints: Maximum length of 1000.

Errors

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

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

InternalFailureException

The service failed to perform an operation due to an internal issue.

HTTP Status Code: 500

LimitExceededException

A resource could not be created because service quotas were exceeded.

HTTP Status Code: 429

UnauthorizedException

An operation failed due to a lack of access.

HTTP Status Code: 401

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
- AWS SDK for Ruby V3

CreateDomainAssociation

Creates a new domain association for an Amplify app. This action associates a custom domain with the Amplify app

Request Syntax

```
POST /apps/appId/domains HTTP/1.1
Content-type: application/json

{
   "autoSubDomainCreationPatterns": [ "string" ],
   "autoSubDomainIAMRole": "string",
   "certificateSettings": {
      "customCertificateArn": "string",
      "type": "string"
   },
   "domainName": "string",
   "enableAutoSubDomain": boolean,
   "subDomainSettings": [
      {
         "branchName": "string",
         "prefix": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

appId

The unique ID for an Amplify app.

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: d[a-z0-9]+

Required: Yes

Request Body

The request accepts the following data in JSON format.

autoSubDomainCreationPatterns

Sets the branch patterns for automatic subdomain creation.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `(?s).+`

Required: No

autoSubDomainIAMRole

The required AWS Identity and Access Management (IAM) service role for the Amazon Resource Name (ARN) for automatically creating subdomains.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: `^$|^arn:aws:iam::\d{12}:role.+`

Required: No

certificateSettings

The type of SSL/TLS certificate to use for your custom domain. If you don't specify a certificate type, Amplify uses the default certificate that it provisions and manages for you.

Type: CertificateSettings object

Required: No

domainName

The domain name for the domain association.

Type: String

Length Constraints: Maximum length of 64.

Pattern: ^(((?!-)[A-Za-z0-9-]{0,62}[A-Za-z0-9])\.)+((?!-)[A-Za-z0-9-]{1,62}[A-Za-z0-9])(\.)?$

Required: Yes

enableAutoSubDomain

Enables the automated creation of subdomains for branches.

Type: Boolean

Required: No

subDomainSettings

The setting for the subdomain.

Type: Array of SubDomainSetting objects

Array Members: Maximum number of 500 items.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "domainAssociation": {
      "autoSubDomainCreationPatterns": [ "string" ],
      "autoSubDomainIAMRole": "string",
      "certificate": {
         "certificateVerificationDNSRecord": "string",
         "customCertificateArn": "string",
         "type": "string"
      },
      "certificateVerificationDNSRecord": "string",
      "domainAssociationArn": "string",
      "domainName": "string",
      "domainStatus": "string",
      "enableAutoSubDomain": boolean,
      "statusReason": "string",
```

```
        "subDomains": [
            {
                "dnsRecord": "string",
                "subDomainSetting": {
                    "branchName": "string",
                    "prefix": "string"
                },
                "verified": boolean
            }
        ],
        "updateStatus": "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.

domainAssociation

Describes the structure of a domain association, which associates a custom domain with an Amplify app.

Type: DomainAssociation object

Errors

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

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

DependentServiceFailureException

An operation failed because a dependent service threw an exception.

HTTP Status Code: 503

InternalFailureException

The service failed to perform an operation due to an internal issue.

HTTP Status Code: 500

LimitExceededException

A resource could not be created because service quotas were exceeded.

HTTP Status Code: 429

NotFoundException

An entity was not found during an operation.

HTTP Status Code: 404

UnauthorizedException

An operation failed due to a lack of access.

HTTP Status Code: 401

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](#)
- [AWS SDK for Ruby V3](#)

CreateWebhook

Creates a new webhook on an Amplify app.

Request Syntax

```
POST /apps/appId/webhooks HTTP/1.1
Content-type: application/json

{
   "branchName": "string",
   "description": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

appId

The unique ID for an Amplify app.

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: d[a-z0-9]+

Required: Yes

Request Body

The request accepts the following data in JSON format.

branchName

The name for a branch that is part of an Amplify app.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: (?s).+

Required: Yes

description

The description for a webhook.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: (?s).*

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "webhook": {
      "appId": "string",
      "branchName": "string",
      "createTime": number,
      "description": "string",
      "updateTime": number,
      "webhookArn": "string",
      "webhookId": "string",
      "webhookUrl": "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

Describes a webhook that connects repository events to an Amplify app.

Type: Webhook object

Errors

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

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

DependentServiceFailureException

An operation failed because a dependent service threw an exception.

HTTP Status Code: 503

InternalFailureException

The service failed to perform an operation due to an internal issue.

HTTP Status Code: 500

LimitExceededException

A resource could not be created because service quotas were exceeded.

HTTP Status Code: 429

NotFoundException

An entity was not found during an operation.

HTTP Status Code: 404

UnauthorizedException

An operation failed due to a lack of access.

HTTP Status Code: 401

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](#)
- [AWS SDK for Ruby V3](#)

DeleteApp

Deletes an existing Amplify app specified by an app ID.

Request Syntax

```
DELETE /apps/appId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

appId

The unique ID for an Amplify app.

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: d[a-z0-9]+

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "app": {
      "appArn": "string",
      "appId": "string",
      "autoBranchCreationConfig": {
         "basicAuthCredentials": "string",
         "buildSpec": "string",
         "enableAutoBuild": boolean,
         "enableBasicAuth": boolean,
         "enablePerformanceMode": boolean,
         "enablePullRequestPreview": boolean,
```

```
            "environmentVariables": {
                "string" : "string"
            },
            "framework": "string",
            "pullRequestEnvironmentName": "string",
            "stage": "string"
        },
        "autoBranchCreationPatterns": [ "string" ],
        "basicAuthCredentials": "string",
        "buildSpec": "string",
        "cacheConfig": {
            "type": "string"
        },
        "computeRoleArn": "string",
        "createTime": number,
        "customHeaders": "string",
        "customRules": [
            {
                "condition": "string",
                "source": "string",
                "status": "string",
                "target": "string"
            }
        ],
        "defaultDomain": "string",
        "description": "string",
        "enableAutoBranchCreation": boolean,
        "enableBasicAuth": boolean,
        "enableBranchAutoBuild": boolean,
        "enableBranchAutoDeletion": boolean,
        "environmentVariables": {
            "string" : "string"
        },
        "iamServiceRoleArn": "string",
        "jobConfig": {
            "buildComputeType": "string"
        },
        "name": "string",
        "platform": "string",
        "productionBranch": {
            "branchName": "string",
            "lastDeployTime": number,
            "status": "string",
            "thumbnailUrl": "string"
```

```
        },
        "repository": "string",
        "repositoryCloneMethod": "string",
        "tags": {
            "string" : "string"
        },
        "updateTime": number,
        "wafConfiguration": {
            "statusReason": "string",
            "wafStatus": "string",
            "webAclArn": "string"
        },
        "webhookCreateTime": number
    }
}
```

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.

app

Represents the different branches of a repository for building, deploying, and hosting an Amplify app.

Type: App object

Errors

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

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

DependentServiceFailureException

An operation failed because a dependent service threw an exception.

HTTP Status Code: 503

InternalFailureException

The service failed to perform an operation due to an internal issue.

HTTP Status Code: 500

NotFoundException

An entity was not found during an operation.

HTTP Status Code: 404

UnauthorizedException

An operation failed due to a lack of access.

HTTP Status Code: 401

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](#)
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DeleteBackendEnvironment

Deletes a backend environment for an Amplify app.

This API is available only to Amplify Gen 1 applications where the backend is created using Amplify Studio or the Amplify command line interface (CLI). This API isn't available to Amplify Gen 2 applications. When you deploy an application with Amplify Gen 2, you provision the app's backend infrastructure using Typescript code.

Request Syntax

```
DELETE /apps/appId/backendenvironments/environmentName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

appId

The unique ID of an Amplify app.

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `d[a-z0-9]+`

Required: Yes

environmentName

The name of a backend environment of an Amplify app.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `(?s).+`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "backendEnvironment": {
      "backendEnvironmentArn": "string",
      "createTime": number,
      "deploymentArtifacts": "string",
      "environmentName": "string",
      "stackName": "string",
      "updateTime": number
   }
}
```

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.

backendEnvironment

   Describes the backend environment for an Amplify app.

   Type: BackendEnvironment object

Errors

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

BadRequestException

   A request contains unexpected data.

   HTTP Status Code: 400

DependentServiceFailureException

   An operation failed because a dependent service threw an exception.

HTTP Status Code: 503

InternalFailureException

The service failed to perform an operation due to an internal issue.

HTTP Status Code: 500

NotFoundException

An entity was not found during an operation.

HTTP Status Code: 404

UnauthorizedException

An operation failed due to a lack of access.

HTTP Status Code: 401

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](#)
- [AWS SDK for Ruby V3](#)

DeleteBranch

Deletes a branch for an Amplify app.

Request Syntax

```
DELETE /apps/appId/branches/branchName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

appId

The unique ID for an Amplify app.

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: d[a-z0-9]+

Required: Yes

branchName

The name of the branch.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: (?s).+

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
```

```
    "branch": {
       "activeJobId": "string",
       "associatedResources": [ "string" ],
       "backend": {
          "stackArn": "string"
       },
       "backendEnvironmentArn": "string",
       "basicAuthCredentials": "string",
       "branchArn": "string",
       "branchName": "string",
       "buildSpec": "string",
       "computeRoleArn": "string",
       "createTime": number,
       "customDomains": [ "string" ],
       "description": "string",
       "destinationBranch": "string",
       "displayName": "string",
       "enableAutoBuild": boolean,
       "enableBasicAuth": boolean,
       "enableNotification": boolean,
       "enablePerformanceMode": boolean,
       "enablePullRequestPreview": boolean,
       "enableSkewProtection": boolean,
       "environmentVariables": {
          "string" : "string"
       },
       "framework": "string",
       "pullRequestEnvironmentName": "string",
       "sourceBranch": "string",
       "stage": "string",
       "tags": {
          "string" : "string"
       },
       "thumbnailUrl": "string",
       "totalNumberOfJobs": "string",
       "ttl": "string",
       "updateTime": number
    }
 }
```

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.

branch

The branch for an Amplify app, which maps to a third-party repository branch.

Type: Branch object

Errors

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

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

DependentServiceFailureException

An operation failed because a dependent service threw an exception.

HTTP Status Code: 503

InternalFailureException

The service failed to perform an operation due to an internal issue.

HTTP Status Code: 500

NotFoundException

An entity was not found during an operation.

HTTP Status Code: 404

UnauthorizedException

An operation failed due to a lack of access.

HTTP Status Code: 401

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](#)

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- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

DeleteDomainAssociation

Deletes a domain association for an Amplify app.

Request Syntax

```
DELETE /apps/appId/domains/domainName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

appId

The unique id for an Amplify app.

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: d[a-z0-9]+

Required: Yes

domainName

The name of the domain.

Length Constraints: Maximum length of 64.

Pattern: ^(((?!-)[A-Za-z0-9-]{0,62}[A-Za-z0-9])\.)+((?!-)[A-Za-z0-9-]{1,62}[A-Za-z0-9])(\.)?$

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
```

```
   "domainAssociation": {
      "autoSubDomainCreationPatterns": [ "string" ],
      "autoSubDomainIAMRole": "string",
      "certificate": {
         "certificateVerificationDNSRecord": "string",
         "customCertificateArn": "string",
         "type": "string"
      },
      "certificateVerificationDNSRecord": "string",
      "domainAssociationArn": "string",
      "domainName": "string",
      "domainStatus": "string",
      "enableAutoSubDomain": boolean,
      "statusReason": "string",
      "subDomains": [
         {
            "dnsRecord": "string",
            "subDomainSetting": {
               "branchName": "string",
               "prefix": "string"
            },
            "verified": boolean
         }
      ],
      "updateStatus": "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.

domainAssociation

Describes the association between a custom domain and an Amplify app.

Type: DomainAssociation object

Errors

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

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

DependentServiceFailureException

An operation failed because a dependent service threw an exception.

HTTP Status Code: 503

InternalFailureException

The service failed to perform an operation due to an internal issue.

HTTP Status Code: 500

NotFoundException

An entity was not found during an operation.

HTTP Status Code: 404

UnauthorizedException

An operation failed due to a lack of access.

HTTP Status Code: 401

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](#)
- [AWS SDK for Ruby V3](#)

DeleteJob

Deletes a job for a branch of an Amplify app.

Request Syntax

```
DELETE /apps/appId/branches/branchName/jobs/jobId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

appId

The unique ID for an Amplify app.

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `d[a-z0-9]+`

Required: Yes

branchName

The name of the branch to use for the job.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `(?s).+`

Required: Yes

jobId

The unique ID for the job.

Length Constraints: Maximum length of 255.

Pattern: `[0-9]+`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "jobSummary": {
        "commitId": "string",
        "commitMessage": "string",
        "commitTime": number,
        "endTime": number,
        "jobArn": "string",
        "jobId": "string",
        "jobType": "string",
        "sourceUrl": "string",
        "sourceUrlType": "string",
        "startTime": number,
        "status": "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.

jobSummary

Describes the summary for an execution job for an Amplify app.

Type: JobSummary object

Errors

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

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

InternalFailureException

The service failed to perform an operation due to an internal issue.

HTTP Status Code: 500

LimitExceededException

A resource could not be created because service quotas were exceeded.

HTTP Status Code: 429

NotFoundException

An entity was not found during an operation.

HTTP Status Code: 404

UnauthorizedException

An operation failed due to a lack of access.

HTTP Status Code: 401

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](#)
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- [AWS SDK for Ruby V3](#)

DeleteWebhook

Deletes a webhook.

Request Syntax

```
DELETE /webhooks/webhookId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

webhookId

The unique ID for a webhook.

Length Constraints: Maximum length of 255.

Pattern: (?s).*

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "webhook": {
        "appId": "string",
        "branchName": "string",
        "createTime": number,
        "description": "string",
        "updateTime": number,
        "webhookArn": "string",
        "webhookId": "string",
```

```
        "webhookUrl": "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

Describes a webhook that connects repository events to an Amplify app.

Type: Webhook object

Errors

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

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

InternalFailureException

The service failed to perform an operation due to an internal issue.

HTTP Status Code: 500

LimitExceededException

A resource could not be created because service quotas were exceeded.

HTTP Status Code: 429

NotFoundException

An entity was not found during an operation.

HTTP Status Code: 404

UnauthorizedException

An operation failed due to a lack of access.

HTTP Status Code: 401

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](#)
- [AWS SDK for Ruby V3](#)

GenerateAccessLogs

Returns the website access logs for a specific time range using a presigned URL.

Request Syntax

```
POST /apps/appId/accesslogs HTTP/1.1
Content-type: application/json

{
    "domainName": "string",
    "endTime": number,
    "startTime": number
}
```

URI Request Parameters

The request uses the following URI parameters.

appId

The unique ID for an Amplify app.

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: d[a-z0-9]+

Required: Yes

Request Body

The request accepts the following data in JSON format.

domainName

The name of the domain.

Type: String

Length Constraints: Maximum length of 64.

Pattern: `^(((?!-)[A-Za-z0-9-]{0,62}[A-Za-z0-9])\.)+((?!-)[A-Za-z0-9-]{1,62}[A-Za-z0-9])(\.)?$`

Required: Yes

endTime

The time at which the logs should end. The time range specified is inclusive of the end time.

Type: Timestamp

Required: No

startTime

The time at which the logs should start. The time range specified is inclusive of the start time.

Type: Timestamp

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "logUrl": "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.

logUrl

The pre-signed URL for the requested access logs.

Type: String

Length Constraints: Maximum length of 1000.

Errors

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

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

InternalFailureException

The service failed to perform an operation due to an internal issue.

HTTP Status Code: 500

NotFoundException

An entity was not found during an operation.

HTTP Status Code: 404

UnauthorizedException

An operation failed due to a lack of access.

HTTP Status Code: 401

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](#)

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- [AWS SDK for Ruby V3](#)

GetApp

Returns an existing Amplify app specified by an app ID.

Request Syntax

```
GET /apps/appId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

appId

The unique ID for an Amplify app.

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: d[a-z0-9]+

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "app": {
      "appArn": "string",
      "appId": "string",
      "autoBranchCreationConfig": {
         "basicAuthCredentials": "string",
         "buildSpec": "string",
         "enableAutoBuild": boolean,
         "enableBasicAuth": boolean,
         "enablePerformanceMode": boolean,
         "enablePullRequestPreview": boolean,
```

```
            "environmentVariables": {
                "string" : "string"
            },
            "framework": "string",
            "pullRequestEnvironmentName": "string",
            "stage": "string"
        },
        "autoBranchCreationPatterns": [ "string" ],
        "basicAuthCredentials": "string",
        "buildSpec": "string",
        "cacheConfig": {
            "type": "string"
        },
        "computeRoleArn": "string",
        "createTime": number,
        "customHeaders": "string",
        "customRules": [
            {
                "condition": "string",
                "source": "string",
                "status": "string",
                "target": "string"
            }
        ],
        "defaultDomain": "string",
        "description": "string",
        "enableAutoBranchCreation": boolean,
        "enableBasicAuth": boolean,
        "enableBranchAutoBuild": boolean,
        "enableBranchAutoDeletion": boolean,
        "environmentVariables": {
            "string" : "string"
        },
        "iamServiceRoleArn": "string",
        "jobConfig": {
            "buildComputeType": "string"
        },
        "name": "string",
        "platform": "string",
        "productionBranch": {
            "branchName": "string",
            "lastDeployTime": number,
            "status": "string",
            "thumbnailUrl": "string"
```

```
        },
        "repository": "string",
        "repositoryCloneMethod": "string",
        "tags": {
            "string" : "string"
        },
        "updateTime": number,
        "wafConfiguration": {
            "statusReason": "string",
            "wafStatus": "string",
            "webAclArn": "string"
        },
        "webhookCreateTime": number
    }
}
```

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.

app

Represents the different branches of a repository for building, deploying, and hosting an Amplify app.

Type: App object

Errors

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

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

InternalFailureException

The service failed to perform an operation due to an internal issue.

HTTP Status Code: 500

NotFoundException

An entity was not found during an operation.

HTTP Status Code: 404

UnauthorizedException

An operation failed due to a lack of access.

HTTP Status Code: 401

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](#)
- [AWS SDK for Ruby V3](#)

GetArtifactUrl

Returns the artifact info that corresponds to an artifact id.

Request Syntax

```
GET /artifacts/artifactId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

artifactId

The unique ID for an artifact.

Length Constraints: Maximum length of 255.

Pattern: (?s).*

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "artifactId": "string",
    "artifactUrl": "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.

artifactId

The unique ID for an artifact.

Type: String

Length Constraints: Maximum length of 255.

Pattern: `(?s).*`

artifactUrl

The presigned URL for the artifact.

Type: String

Length Constraints: Maximum length of 1000.

Errors

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

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

InternalFailureException

The service failed to perform an operation due to an internal issue.

HTTP Status Code: 500

LimitExceededException

A resource could not be created because service quotas were exceeded.

HTTP Status Code: 429

NotFoundException

An entity was not found during an operation.

HTTP Status Code: 404

UnauthorizedException

An operation failed due to a lack of access.

HTTP Status Code: 401

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](#)
- [AWS SDK for Ruby V3](#)

GetBackendEnvironment

Returns a backend environment for an Amplify app.

This API is available only to Amplify Gen 1 applications where the backend is created using Amplify Studio or the Amplify command line interface (CLI). This API isn't available to Amplify Gen 2 applications. When you deploy an application with Amplify Gen 2, you provision the app's backend infrastructure using Typescript code.

Request Syntax

```
GET /apps/appId/backendenvironments/environmentName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

appId

The unique id for an Amplify app.

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `d[a-z0-9]+`

Required: Yes

environmentName

The name for the backend environment.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `(?s).+`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "backendEnvironment": {
      "backendEnvironmentArn": "string",
      "createTime": number,
      "deploymentArtifacts": "string",
      "environmentName": "string",
      "stackName": "string",
      "updateTime": number
   }
}
```

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.

backendEnvironment

Describes the backend environment for an Amplify app.

Type: BackendEnvironment object

Errors

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

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

InternalFailureException

The service failed to perform an operation due to an internal issue.

HTTP Status Code: 500

NotFoundException

An entity was not found during an operation.

HTTP Status Code: 404

UnauthorizedException

An operation failed due to a lack of access.

HTTP Status Code: 401

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](#)
- [AWS SDK for Ruby V3](#)

GetBranch

Returns a branch for an Amplify app.

Request Syntax

```
GET /apps/appId/branches/branchName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

appId

The unique ID for an Amplify app.

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: d[a-z0-9]+

Required: Yes

branchName

The name of the branch.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: (?s).+

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
```

```
    "branch": {
        "activeJobId": "string",
        "associatedResources": [ "string" ],
        "backend": {
            "stackArn": "string"
        },
        "backendEnvironmentArn": "string",
        "basicAuthCredentials": "string",
        "branchArn": "string",
        "branchName": "string",
        "buildSpec": "string",
        "computeRoleArn": "string",
        "createTime": number,
        "customDomains": [ "string" ],
        "description": "string",
        "destinationBranch": "string",
        "displayName": "string",
        "enableAutoBuild": boolean,
        "enableBasicAuth": boolean,
        "enableNotification": boolean,
        "enablePerformanceMode": boolean,
        "enablePullRequestPreview": boolean,
        "enableSkewProtection": boolean,
        "environmentVariables": {
            "string" : "string"
        },
        "framework": "string",
        "pullRequestEnvironmentName": "string",
        "sourceBranch": "string",
        "stage": "string",
        "tags": {
            "string" : "string"
        },
        "thumbnailUrl": "string",
        "totalNumberOfJobs": "string",
        "ttl": "string",
        "updateTime": number
    }
}
```

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.

branch

   The branch for an Amplify app, which maps to a third-party repository branch.

   Type: Branch object

Errors

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

BadRequestException

   A request contains unexpected data.

   HTTP Status Code: 400

InternalFailureException

   The service failed to perform an operation due to an internal issue.

   HTTP Status Code: 500

NotFoundException

   An entity was not found during an operation.

   HTTP Status Code: 404

UnauthorizedException

   An operation failed due to a lack of access.

   HTTP Status Code: 401

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](#)
- [AWS SDK for Ruby V3](#)

GetDomainAssociation

Returns the domain information for an Amplify app.

Request Syntax

```
GET /apps/appId/domains/domainName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

appId

The unique id for an Amplify app.

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: d[a-z0-9]+

Required: Yes

domainName

The name of the domain.

Length Constraints: Maximum length of 64.

Pattern: ^(((?!-)[A-Za-z0-9-]{0,62}[A-Za-z0-9])\.)+((?!-)[A-Za-z0-9-]{1,62}[A-Za-z0-9])(\.)?$

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
    "domainAssociation": {
        "autoSubDomainCreationPatterns": [ "string" ],
        "autoSubDomainIAMRole": "string",
        "certificate": {
            "certificateVerificationDNSRecord": "string",
            "customCertificateArn": "string",
            "type": "string"
        },
        "certificateVerificationDNSRecord": "string",
        "domainAssociationArn": "string",
        "domainName": "string",
        "domainStatus": "string",
        "enableAutoSubDomain": boolean,
        "statusReason": "string",
        "subDomains": [
            {
                "dnsRecord": "string",
                "subDomainSetting": {
                    "branchName": "string",
                    "prefix": "string"
                },
                "verified": boolean
            }
        ],
        "updateStatus": "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.

domainAssociation

Describes the structure of a domain association, which associates a custom domain with an Amplify app.

Type: DomainAssociation object

Errors

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

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

InternalFailureException

The service failed to perform an operation due to an internal issue.

HTTP Status Code: 500

NotFoundException

An entity was not found during an operation.

HTTP Status Code: 404

UnauthorizedException

An operation failed due to a lack of access.

HTTP Status Code: 401

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](#)

- [AWS SDK for Ruby V3](#)

GetJob

Returns a job for a branch of an Amplify app.

Request Syntax

```
GET /apps/appId/branches/branchName/jobs/jobId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

appId

The unique ID for an Amplify app.

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: d[a-z0-9]+

Required: Yes

branchName

The name of the branch to use for the job.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: (?s).+

Required: Yes

jobId

The unique ID for the job.

Length Constraints: Maximum length of 255.

Pattern: [0-9]+

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "job": {
        "steps": [
            {
                "artifactsUrl": "string",
                "context": "string",
                "endTime": number,
                "logUrl": "string",
                "screenshots": {
                    "string" : "string"
                },
                "startTime": number,
                "status": "string",
                "statusReason": "string",
                "stepName": "string",
                "testArtifactsUrl": "string",
                "testConfigUrl": "string"
            }
        ],
        "summary": {
            "commitId": "string",
            "commitMessage": "string",
            "commitTime": number,
            "endTime": number,
            "jobArn": "string",
            "jobId": "string",
            "jobType": "string",
            "sourceUrl": "string",
            "sourceUrlType": "string",
            "startTime": number,
            "status": "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.

job

Describes an execution job for an Amplify app.

Type: Job object

Errors

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

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

InternalFailureException

The service failed to perform an operation due to an internal issue.

HTTP Status Code: 500

LimitExceededException

A resource could not be created because service quotas were exceeded.

HTTP Status Code: 429

NotFoundException

An entity was not found during an operation.

HTTP Status Code: 404

UnauthorizedException

An operation failed due to a lack of access.

HTTP Status Code: 401

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](#)
- [AWS SDK for Ruby V3](#)

GetWebhook

Returns the webhook information that corresponds to a specified webhook ID.

Request Syntax

```
GET /webhooks/webhookId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

webhookId

The unique ID for a webhook.

Length Constraints: Maximum length of 255.

Pattern: (?s).*

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "webhook": {
      "appId": "string",
      "branchName": "string",
      "createTime": number,
      "description": "string",
      "updateTime": number,
      "webhookArn": "string",
      "webhookId": "string",
```

```
        "webhookUrl": "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

Describes the structure of a webhook.

Type: Webhook object

Errors

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

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

InternalFailureException

The service failed to perform an operation due to an internal issue.

HTTP Status Code: 500

LimitExceededException

A resource could not be created because service quotas were exceeded.

HTTP Status Code: 429

NotFoundException

An entity was not found during an operation.

HTTP Status Code: 404

UnauthorizedException

An operation failed due to a lack of access.

HTTP Status Code: 401

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](#)
- [AWS SDK for Ruby V3](#)

ListApps

Returns a list of the existing Amplify apps.

Request Syntax

```
GET /apps?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of records to list in a single response.

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

nextToken

A pagination token. If non-null, the pagination token is returned in a result. Pass its value in another request to retrieve more entries.

Length Constraints: Maximum length of 2000.

Pattern: (?s).*

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "apps": [
      {
         "appArn": "string",
         "appId": "string",
         "autoBranchCreationConfig": {
```

```
            "basicAuthCredentials": "string",
            "buildSpec": "string",
            "enableAutoBuild": boolean,
            "enableBasicAuth": boolean,
            "enablePerformanceMode": boolean,
            "enablePullRequestPreview": boolean,
            "environmentVariables": {
                "string" : "string"
            },
            "framework": "string",
            "pullRequestEnvironmentName": "string",
            "stage": "string"
        },
        "autoBranchCreationPatterns": [ "string" ],
        "basicAuthCredentials": "string",
        "buildSpec": "string",
        "cacheConfig": {
            "type": "string"
        },
        "computeRoleArn": "string",
        "createTime": number,
        "customHeaders": "string",
        "customRules": [
            {
                "condition": "string",
                "source": "string",
                "status": "string",
                "target": "string"
            }
        ],
        "defaultDomain": "string",
        "description": "string",
        "enableAutoBranchCreation": boolean,
        "enableBasicAuth": boolean,
        "enableBranchAutoBuild": boolean,
        "enableBranchAutoDeletion": boolean,
        "environmentVariables": {
            "string" : "string"
        },
        "iamServiceRoleArn": "string",
        "jobConfig": {
            "buildComputeType": "string"
        },
        "name": "string",
```

```
            "platform": "string",
            "productionBranch": {
                "branchName": "string",
                "lastDeployTime": number,
                "status": "string",
                "thumbnailUrl": "string"
            },
            "repository": "string",
            "repositoryCloneMethod": "string",
            "tags": {
                "string" : "string"
            },
            "updateTime": number,
            "wafConfiguration": {
                "statusReason": "string",
                "wafStatus": "string",
                "webAclArn": "string"
            },
            "webhookCreateTime": number
        }
    ],
    "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.

apps

A list of Amplify apps.

Type: Array of App objects

nextToken

A pagination token. Set to null to start listing apps from start. If non-null, the pagination token is returned in a result. Pass its value in here to list more projects.

Type: String

Length Constraints: Maximum length of 2000.

Pattern: `(?s).*`

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

InternalFailureException

The service failed to perform an operation due to an internal issue.

HTTP Status Code: 500

UnauthorizedException

An operation failed due to a lack of access.

HTTP Status Code: 401

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](#)
- [AWS SDK for Ruby V3](#)

ListArtifacts

Returns a list of end-to-end testing artifacts for a specified app, branch, and job.

To return the build artifacts, use the [GetJob](#) API.

For more information about Amplify testing support, see [Setting up end-to-end Cypress tests for your Amplify application](#) in the *Amplify Hosting User Guide*.

Request Syntax

```
GET /apps/appId/branches/branchName/jobs/jobId/artifacts?
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

appId

> The unique ID for an Amplify app.
>
> Length Constraints: Minimum length of 1. Maximum length of 20.
>
> Pattern: d[a-z0-9]+
>
> Required: Yes

branchName

> The name of a branch that is part of an Amplify app.
>
> Length Constraints: Minimum length of 1. Maximum length of 255.
>
> Pattern: (?s).+
>
> Required: Yes

jobId

> The unique ID for a job.
>
> Length Constraints: Maximum length of 255.

Pattern: `[0-9]+`

Required: Yes

maxResults

The maximum number of records to list in a single response.

Valid Range: Minimum value of 0. Maximum value of 50.

nextToken

A pagination token. Set to null to start listing artifacts from start. If a non-null pagination token is returned in a result, pass its value in here to list more artifacts.

Length Constraints: Maximum length of 2000.

Pattern: `(?s).*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "artifacts": [
      {
         "artifactFileName": "string",
         "artifactId": "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.

artifacts

A list of artifacts.

Type: Array of Artifact objects

nextToken

A pagination token. If a non-null pagination token is returned in a result, pass its value in another request to retrieve more entries.

Type: String

Length Constraints: Maximum length of 2000.

Pattern: (?s).*

Errors

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

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

InternalFailureException

The service failed to perform an operation due to an internal issue.

HTTP Status Code: 500

LimitExceededException

A resource could not be created because service quotas were exceeded.

HTTP Status Code: 429

UnauthorizedException

An operation failed due to a lack of access.

HTTP Status Code: 401

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
- AWS SDK for Ruby V3

ListBackendEnvironments

Lists the backend environments for an Amplify app.

This API is available only to Amplify Gen 1 applications where the backend is created using Amplify Studio or the Amplify command line interface (CLI). This API isn't available to Amplify Gen 2 applications. When you deploy an application with Amplify Gen 2, you provision the app's backend infrastructure using Typescript code.

Request Syntax

```
GET /apps/appId/backendenvironments?
environmentName=environmentName&maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

appId

The unique ID for an Amplify app.

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `d[a-z0-9]+`

Required: Yes

environmentName

The name of the backend environment

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `(?s).+`

maxResults

The maximum number of records to list in a single response.

Valid Range: Minimum value of 0. Maximum value of 50.

nextToken

A pagination token. Set to null to start listing backend environments from the start. If a non-null pagination token is returned in a result, pass its value in here to list more backend environments.

Length Constraints: Maximum length of 2000.

Pattern: `(?s).*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "backendEnvironments": [
      {
         "backendEnvironmentArn": "string",
         "createTime": number,
         "deploymentArtifacts": "string",
         "environmentName": "string",
         "stackName": "string",
         "updateTime": number
      }
   ],
   "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.

backendEnvironments

The list of backend environments for an Amplify app.

Type: Array of BackendEnvironment objects

nextToken

A pagination token. If a non-null pagination token is returned in a result, pass its value in another request to retrieve more entries.

Type: String

Length Constraints: Maximum length of 2000.

Pattern: `(?s).*`

Errors

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

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

InternalFailureException

The service failed to perform an operation due to an internal issue.

HTTP Status Code: 500

UnauthorizedException

An operation failed due to a lack of access.

HTTP Status Code: 401

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](#)
- [AWS SDK for Ruby V3](#)

ListBranches

Lists the branches of an Amplify app.

Request Syntax

```
GET /apps/appId/branches?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

appId

   The unique ID for an Amplify app.

   Length Constraints: Minimum length of 1. Maximum length of 20.

   Pattern: d[a-z0-9]+

   Required: Yes

maxResults

   The maximum number of records to list in a single response.

   Valid Range: Minimum value of 0. Maximum value of 50.

nextToken

   A pagination token. Set to null to start listing branches from the start. If a non-null pagination token is returned in a result, pass its value in here to list more branches.

   Length Constraints: Maximum length of 2000.

   Pattern: (?s).*

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "branches": [
      {
         "activeJobId": "string",
         "associatedResources": [ "string" ],
         "backend": {
            "stackArn": "string"
         },
         "backendEnvironmentArn": "string",
         "basicAuthCredentials": "string",
         "branchArn": "string",
         "branchName": "string",
         "buildSpec": "string",
         "computeRoleArn": "string",
         "createTime": number,
         "customDomains": [ "string" ],
         "description": "string",
         "destinationBranch": "string",
         "displayName": "string",
         "enableAutoBuild": boolean,
         "enableBasicAuth": boolean,
         "enableNotification": boolean,
         "enablePerformanceMode": boolean,
         "enablePullRequestPreview": boolean,
         "enableSkewProtection": boolean,
         "environmentVariables": {
            "string" : "string"
         },
         "framework": "string",
         "pullRequestEnvironmentName": "string",
         "sourceBranch": "string",
         "stage": "string",
         "tags": {
            "string" : "string"
         },
         "thumbnailUrl": "string",
         "totalNumberOfJobs": "string",
         "ttl": "string",
```

```
            "updateTime": number
      }
   ],
   "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.

branches

A list of branches for an Amplify app.

Type: Array of Branch objects

Array Members: Maximum number of 255 items.

nextToken

A pagination token. If a non-null pagination token is returned in a result, pass its value in another request to retrieve more entries.

Type: String

Length Constraints: Maximum length of 2000.

Pattern: (?s).*

Errors

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

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

InternalFailureException

The service failed to perform an operation due to an internal issue.

HTTP Status Code: 500

UnauthorizedException

An operation failed due to a lack of access.

HTTP Status Code: 401

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](#)
- [AWS SDK for Ruby V3](#)

ListDomainAssociations

Returns the domain associations for an Amplify app.

Request Syntax

```
GET /apps/appId/domains?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

appId

The unique ID for an Amplify app.

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `d[a-z0-9]+`

Required: Yes

maxResults

The maximum number of records to list in a single response.

Valid Range: Minimum value of 0. Maximum value of 50.

nextToken

A pagination token. Set to null to start listing apps from the start. If non-null, a pagination token is returned in a result. Pass its value in here to list more projects.

Length Constraints: Maximum length of 2000.

Pattern: `(?s).*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "domainAssociations": [
        {
            "autoSubDomainCreationPatterns": [ "string" ],
            "autoSubDomainIAMRole": "string",
            "certificate": {
                "certificateVerificationDNSRecord": "string",
                "customCertificateArn": "string",
                "type": "string"
            },
            "certificateVerificationDNSRecord": "string",
            "domainAssociationArn": "string",
            "domainName": "string",
            "domainStatus": "string",
            "enableAutoSubDomain": boolean,
            "statusReason": "string",
            "subDomains": [
                {
                    "dnsRecord": "string",
                    "subDomainSetting": {
                        "branchName": "string",
                        "prefix": "string"
                    },
                    "verified": boolean
                }
            ],
            "updateStatus": "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.

domainAssociations

A list of domain associations.

Type: Array of [DomainAssociation](#) objects

Array Members: Maximum number of 255 items.

nextToken

A pagination token. If non-null, a pagination token is returned in a result. Pass its value in another request to retrieve more entries.

Type: String

Length Constraints: Maximum length of 2000.

Pattern: `(?s).*`

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

InternalFailureException

The service failed to perform an operation due to an internal issue.

HTTP Status Code: 500

UnauthorizedException

An operation failed due to a lack of access.

HTTP Status Code: 401

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](#)
- [AWS SDK for Ruby V3](#)

ListJobs

Lists the jobs for a branch of an Amplify app.

Request Syntax

```
GET /apps/appId/branches/branchName/jobs?maxResults=maxResults&nextToken=nextToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

appId

>   The unique ID for an Amplify app.
>
>   Length Constraints: Minimum length of 1. Maximum length of 20.
>
>   Pattern: `d[a-z0-9]+`
>
>   Required: Yes

branchName

>   The name of the branch to use for the request.
>
>   Length Constraints: Minimum length of 1. Maximum length of 255.
>
>   Pattern: `(?s).+`
>
>   Required: Yes

maxResults

>   The maximum number of records to list in a single response.
>
>   Valid Range: Minimum value of 0. Maximum value of 50.

nextToken

>   A pagination token. Set to null to start listing steps from the start. If a non-null pagination token is returned in a result, pass its value in here to list more steps.
>
>   Length Constraints: Maximum length of 2000.

Pattern: `(?s).*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "jobSummaries": [
        {
            "commitId": "string",
            "commitMessage": "string",
            "commitTime": number,
            "endTime": number,
            "jobArn": "string",
            "jobId": "string",
            "jobType": "string",
            "sourceUrl": "string",
            "sourceUrlType": "string",
            "startTime": number,
            "status": "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.

jobSummaries

The result structure for the list job result request.

Type: Array of JobSummary objects

nextToken

> A pagination token. If non-null the pagination token is returned in a result. Pass its value in another request to retrieve more entries.
>
> Type: String
>
> Length Constraints: Maximum length of 2000.
>
> Pattern: `(?s).*`

Errors

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

BadRequestException

> A request contains unexpected data.
>
> HTTP Status Code: 400

InternalFailureException

> The service failed to perform an operation due to an internal issue.
>
> HTTP Status Code: 500

LimitExceededException

> A resource could not be created because service quotas were exceeded.
>
> HTTP Status Code: 429

UnauthorizedException

> An operation failed due to a lack of access.
>
> HTTP Status Code: 401

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](#)

- [AWS SDK for Ruby V3](#)

ListTagsForResource

Returns a list of tags for a specified Amazon Resource Name (ARN).

Request Syntax

```
GET /tags/resourceArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The Amazon Resource Name (ARN) to use to list tags.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `^arn:aws:amplify:.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "tags": {
      "string" : "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.

tags

A list of tags for the specified The Amazon Resource Name (ARN).

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-=._:/]+$`

Value Length Constraints: Maximum length of 256.

Value Pattern: `^([\p{L}\p{Z}\p{N}_.:/=+\-@]*)$`

Errors

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

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

InternalFailureException

The service failed to perform an operation due to an internal issue.

HTTP Status Code: 500

ResourceNotFoundException

An operation failed due to a non-existent resource.

HTTP Status Code: 404

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](#)
- [AWS SDK for Ruby V3](#)

ListWebhooks

Returns a list of webhooks for an Amplify app.

Request Syntax

```
GET /apps/appId/webhooks?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

appId

The unique ID for an Amplify app.

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: d[a-z0-9]+

Required: Yes

maxResults

The maximum number of records to list in a single response.

Valid Range: Minimum value of 0. Maximum value of 50.

nextToken

A pagination token. Set to null to start listing webhooks from the start. If non-null,the pagination token is returned in a result. Pass its value in here to list more webhooks.

Length Constraints: Maximum length of 2000.

Pattern: (?s).*

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "nextToken": "string",
    "webhooks": [
        {
            "appId": "string",
            "branchName": "string",
            "createTime": number,
            "description": "string",
            "updateTime": number,
            "webhookArn": "string",
            "webhookId": "string",
            "webhookUrl": "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

A pagination token. If non-null, the pagination token is returned in a result. Pass its value in another request to retrieve more entries.

Type: String

Length Constraints: Maximum length of 2000.

Pattern: (?s).*

webhooks

A list of webhooks.

Type: Array of Webhook objects

Errors

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

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

InternalFailureException

The service failed to perform an operation due to an internal issue.

HTTP Status Code: 500

LimitExceededException

A resource could not be created because service quotas were exceeded.

HTTP Status Code: 429

UnauthorizedException

An operation failed due to a lack of access.

HTTP Status Code: 401

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](#)

- [AWS SDK for Ruby V3](#)

StartDeployment

Starts a deployment for a manually deployed app. Manually deployed apps are not connected to a Git repository.

The maximum duration between the `CreateDeployment` call and the `StartDeployment` call cannot exceed 8 hours. If the duration exceeds 8 hours, the `StartDeployment` call and the associated `Job` will fail.

Request Syntax

```
POST /apps/appId/branches/branchName/deployments/start HTTP/1.1
Content-type: application/json

{
   "jobId": "string",
   "sourceUrl": "string",
   "sourceUrlType": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

appId

   The unique ID for an Amplify app.

   Length Constraints: Minimum length of 1. Maximum length of 20.

   Pattern: d[a-z0-9]+

   Required: Yes

branchName

   The name of the branch to use for the deployment job.

   Length Constraints: Minimum length of 1. Maximum length of 255.

   Pattern: (?s).+

Required: Yes

Request Body

The request accepts the following data in JSON format.

jobId

The job ID for this deployment that is generated by the `CreateDeployment` request.

Type: String

Length Constraints: Maximum length of 255.

Pattern: `[0-9]+`

Required: No

sourceUrl

The source URL for the deployment that is used when calling `StartDeployment` without `CreateDeployment`. The source URL can be either an HTTP GET URL that is publicly accessible and downloads a single .zip file, or an Amazon S3 bucket and prefix.

Type: String

Length Constraints: Maximum length of 3000.

Pattern: `^(s3|https|http)://.*`

Required: No

sourceUrlType

The type of source specified by the `sourceURL`. If the value is ZIP, the source is a .zip file. If the value is `BUCKET_PREFIX`, the source is an Amazon S3 bucket and prefix. If no value is specified, the default is `ZIP`.

Type: String

Valid Values: `ZIP | BUCKET_PREFIX`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "jobSummary": {
      "commitId": "string",
      "commitMessage": "string",
      "commitTime": number,
      "endTime": number,
      "jobArn": "string",
      "jobId": "string",
      "jobType": "string",
      "sourceUrl": "string",
      "sourceUrlType": "string",
      "startTime": number,
      "status": "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.

jobSummary

   The summary for the job.

   Type: JobSummary object

Errors

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

BadRequestException

   A request contains unexpected data.

   HTTP Status Code: 400

InternalFailureException

The service failed to perform an operation due to an internal issue.

HTTP Status Code: 500

LimitExceededException

A resource could not be created because service quotas were exceeded.

HTTP Status Code: 429

NotFoundException

An entity was not found during an operation.

HTTP Status Code: 404

UnauthorizedException

An operation failed due to a lack of access.

HTTP Status Code: 401

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](#)
- [AWS SDK for Ruby V3](#)

StartJob

Starts a new job for a branch of an Amplify app.

Request Syntax

```
POST /apps/appId/branches/branchName/jobs HTTP/1.1
Content-type: application/json

{
   "commitId": "string",
   "commitMessage": "string",
   "commitTime": number,
   "jobId": "string",
   "jobReason": "string",
   "jobType": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

appId

The unique ID for an Amplify app.

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: d[a-z0-9]+

Required: Yes

branchName

The name of the branch to use for the job.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: (?s).+

Required: Yes

Request Body

The request accepts the following data in JSON format.

commitId

The commit ID from a third-party repository provider for the job.

Type: String

Length Constraints: Maximum length of 255.

Pattern: (?s).*

Required: No

commitMessage

The commit message from a third-party repository provider for the job.

Type: String

Length Constraints: Maximum length of 10000.

Pattern: (?s).*

Required: No

commitTime

The commit date and time for the job.

Type: Timestamp

Required: No

jobId

The unique ID for an existing job. This is required if the value of jobType is RETRY.

Type: String

Length Constraints: Maximum length of 255.

Pattern: [0-9]+

Required: No

jobReason

A descriptive reason for starting the job.

Type: String

Length Constraints: Maximum length of 255.

Pattern: (?s).*

Required: No

jobType

Describes the type for the job. The job type RELEASE starts a new job with the latest change from the specified branch. This value is available only for apps that are connected to a repository.

The job type RETRY retries an existing job. If the job type value is RETRY, the `jobId` is also required.

Type: String

Length Constraints: Maximum length of 10.

Valid Values: RELEASE | RETRY | MANUAL | WEB_HOOK

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "jobSummary": {
      "commitId": "string",
      "commitMessage": "string",
      "commitTime": number,
      "endTime": number,
```

```
        "jobArn": "string",
        "jobId": "string",
        "jobType": "string",
        "sourceUrl": "string",
        "sourceUrlType": "string",
        "startTime": number,
        "status": "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.

jobSummary

The summary for the job.

Type: JobSummary object

Errors

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

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

InternalFailureException

The service failed to perform an operation due to an internal issue.

HTTP Status Code: 500

LimitExceededException

A resource could not be created because service quotas were exceeded.

HTTP Status Code: 429

NotFoundException

An entity was not found during an operation.

HTTP Status Code: 404

UnauthorizedException

An operation failed due to a lack of access.

HTTP Status Code: 401

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
- AWS SDK for Ruby V3

StopJob

Stops a job that is in progress for a branch of an Amplify app.

Request Syntax

```
DELETE /apps/appId/branches/branchName/jobs/jobId/stop HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

appId

The unique ID for an Amplify app.

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: d[a-z0-9]+

Required: Yes

branchName

The name of the branch to use for the stop job request.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: (?s).+

Required: Yes

jobId

The unique id for the job.

Length Constraints: Maximum length of 255.

Pattern: [0-9]+

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "jobSummary": {
      "commitId": "string",
      "commitMessage": "string",
      "commitTime": number,
      "endTime": number,
      "jobArn": "string",
      "jobId": "string",
      "jobType": "string",
      "sourceUrl": "string",
      "sourceUrlType": "string",
      "startTime": number,
      "status": "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.

jobSummary

   The summary for the job.

   Type: JobSummary object

Errors

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

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

InternalFailureException

The service failed to perform an operation due to an internal issue.

HTTP Status Code: 500

LimitExceededException

A resource could not be created because service quotas were exceeded.

HTTP Status Code: 429

NotFoundException

An entity was not found during an operation.

HTTP Status Code: 404

UnauthorizedException

An operation failed due to a lack of access.

HTTP Status Code: 401

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](#)
- [AWS SDK for Ruby V3](#)

TagResource

Tags the resource with a tag key and value.

Request Syntax

```
POST /tags/resourceArn HTTP/1.1
Content-type: application/json

{
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The Amazon Resource Name (ARN) to use to tag a resource.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `^arn:aws:amplify:.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

tags

The tags used to tag the resource.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-=._:/]+$`

Value Length Constraints: Maximum length of 256.

Value Pattern: `^([\p{L}\p{Z}\p{N}_.:/=+\-@]*)$`

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

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 Errors](#).

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

InternalFailureException

The service failed to perform an operation due to an internal issue.

HTTP Status Code: 500

ResourceNotFoundException

An operation failed due to a non-existent resource.

HTTP Status Code: 404

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](#)

- [AWS SDK for Ruby V3](#)

UntagResource

Untags a resource with a specified Amazon Resource Name (ARN).

Request Syntax

```
DELETE /tags/resourceArn?tagKeys=tagKeys HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The Amazon Resource Name (ARN) to use to untag a resource.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `^arn:aws:amplify:.*`

Required: Yes

tagKeys

The tag keys to use to untag a resource.

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `^(?!aws:)[a-zA-Z+-=._:/]+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

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 Errors.

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

InternalFailureException

The service failed to perform an operation due to an internal issue.

HTTP Status Code: 500

ResourceNotFoundException

An operation failed due to a non-existent resource.

HTTP Status Code: 404

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

- [AWS SDK for Ruby V3](#)

UpdateApp

Updates an existing Amplify app.

Request Syntax

```
POST /apps/appId HTTP/1.1
Content-type: application/json

{
   "accessToken": "string",
   "autoBranchCreationConfig": {
      "basicAuthCredentials": "string",
      "buildSpec": "string",
      "enableAutoBuild": boolean,
      "enableBasicAuth": boolean,
      "enablePerformanceMode": boolean,
      "enablePullRequestPreview": boolean,
      "environmentVariables": {
         "string" : "string"
      },
      "framework": "string",
      "pullRequestEnvironmentName": "string",
      "stage": "string"
   },
   "autoBranchCreationPatterns": [ "string" ],
   "basicAuthCredentials": "string",
   "buildSpec": "string",
   "cacheConfig": {
      "type": "string"
   },
   "computeRoleArn": "string",
   "customHeaders": "string",
   "customRules": [
      {
         "condition": "string",
         "source": "string",
         "status": "string",
         "target": "string"
      }
   ],
   "description": "string",
   "enableAutoBranchCreation": boolean,
```

```
      "enableBasicAuth": boolean,
      "enableBranchAutoBuild": boolean,
      "enableBranchAutoDeletion": boolean,
      "environmentVariables": {
         "string" : "string"
      },
      "iamServiceRoleArn": "string",
      "jobConfig": {
         "buildComputeType": "string"
      },
      "name": "string",
      "oauthToken": "string",
      "platform": "string",
      "repository": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

appId

The unique ID for an Amplify app.

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: d[a-z0-9]+

Required: Yes

Request Body

The request accepts the following data in JSON format.

accessToken

The personal access token for a GitHub repository for an Amplify app. The personal access token is used to authorize access to a GitHub repository using the Amplify GitHub App. The token is not stored.

Use accessToken for GitHub repositories only. To authorize access to a repository provider such as Bitbucket or CodeCommit, use oauthToken.

You must specify either `accessToken` or `oauthToken` when you update an app.

Existing Amplify apps deployed from a GitHub repository using OAuth continue to work with CI/CD. However, we strongly recommend that you migrate these apps to use the GitHub App. For more information, see Migrating an existing OAuth app to the Amplify GitHub App in the *Amplify User Guide* .

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `(?s).+`

Required: No

autoBranchCreationConfig

The automated branch creation configuration for an Amplify app.

Type: AutoBranchCreationConfig object

Required: No

autoBranchCreationPatterns

Describes the automated branch creation glob patterns for an Amplify app.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `(?s).+`

Required: No

basicAuthCredentials

The basic authorization credentials for an Amplify app. You must base64-encode the authorization credentials and provide them in the format `user:password`.

Type: String

Length Constraints: Maximum length of 2000.

Pattern: `(?s).*`

Required: No

buildSpec

The build specification (build spec) for an Amplify app.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 25000.

Pattern: (?s).+

Required: No

cacheConfig

The cache configuration for the Amplify app.

Type: CacheConfig object

Required: No

computeRoleArn

The Amazon Resource Name (ARN) of the IAM role to assign to an SSR app. The SSR Compute role allows the Amplify Hosting compute service to securely access specific AWS resources based on the role's permissions. For more information about the SSR Compute role, see Adding an SSR Compute role in the *Amplify User Guide*.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Pattern: (?s).*

Required: No

customHeaders

The custom HTTP headers for an Amplify app.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 25000.

Pattern: (?s).*

Required: No

customRules

The custom redirect and rewrite rules for an Amplify app.

Type: Array of CustomRule objects

Required: No

description

The description for an Amplify app.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: (?s).*

Required: No

enableAutoBranchCreation

Enables automated branch creation for an Amplify app.

Type: Boolean

Required: No

enableBasicAuth

Enables basic authorization for an Amplify app.

Type: Boolean

Required: No

enableBranchAutoBuild

Enables branch auto-building for an Amplify app.

Type: Boolean

Required: No

enableBranchAutoDeletion

Automatically disconnects a branch in the Amplify console when you delete a branch from your Git repository.

Type: Boolean

Required: No

environmentVariables

The environment variables for an Amplify app.

Type: String to string map

Key Length Constraints: Maximum length of 255.

Key Pattern: (?s).*

Value Length Constraints: Maximum length of 5500.

Value Pattern: (?s).*

Required: No

iamServiceRoleArn

The Amazon Resource Name (ARN) of the IAM service role for the Amplify app.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Pattern: (?s).*

Required: No

jobConfig

Describes the configuration details that apply to the jobs for an Amplify app.

Type: JobConfig object

Required: No

name

The name for an Amplify app.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: (?s).+

Required: No

oauthToken

The OAuth token for a third-party source control system for an Amplify app. The OAuth token is used to create a webhook and a read-only deploy key using SSH cloning. The OAuth token is not stored.

Use oauthToken for repository providers other than GitHub, such as Bitbucket or CodeCommit.

To authorize access to GitHub as your repository provider, use accessToken.

You must specify either oauthToken or accessToken when you update an app.

Existing Amplify apps deployed from a GitHub repository using OAuth continue to work with CI/CD. However, we strongly recommend that you migrate these apps to use the GitHub App. For more information, see Migrating an existing OAuth app to the Amplify GitHub App in the *Amplify User Guide* .

Type: String

Length Constraints: Maximum length of 1000.

Pattern: (?s).*

Required: No

platform

The platform for the Amplify app. For a static app, set the platform type to WEB. For a dynamic server-side rendered (SSR) app, set the platform type to WEB_COMPUTE. For an app requiring Amplify Hosting's original SSR support only, set the platform type to WEB_DYNAMIC.

If you are deploying an SSG only app with Next.js version 14 or later, you must set the platform type to WEB_COMPUTE.

Type: String

Valid Values: WEB | WEB_DYNAMIC | WEB_COMPUTE

Required: No

repository

The name of the Git repository for an Amplify app.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: (?s).*

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "app": {
      "appArn": "string",
      "appId": "string",
      "autoBranchCreationConfig": {
         "basicAuthCredentials": "string",
         "buildSpec": "string",
         "enableAutoBuild": boolean,
         "enableBasicAuth": boolean,
         "enablePerformanceMode": boolean,
         "enablePullRequestPreview": boolean,
         "environmentVariables": {
            "string" : "string"
         },
         "framework": "string",
         "pullRequestEnvironmentName": "string",
         "stage": "string"
      },
      "autoBranchCreationPatterns": [ "string" ],
      "basicAuthCredentials": "string",
      "buildSpec": "string",
      "cacheConfig": {
         "type": "string"
      },
      "computeRoleArn": "string",
      "createTime": number,
      "customHeaders": "string",
      "customRules": [
         {
            "condition": "string",
```

```
                "source": "string",
                "status": "string",
                "target": "string"
            }
        ],
        "defaultDomain": "string",
        "description": "string",
        "enableAutoBranchCreation": boolean,
        "enableBasicAuth": boolean,
        "enableBranchAutoBuild": boolean,
        "enableBranchAutoDeletion": boolean,
        "environmentVariables": {
            "string" : "string"
        },
        "iamServiceRoleArn": "string",
        "jobConfig": {
            "buildComputeType": "string"
        },
        "name": "string",
        "platform": "string",
        "productionBranch": {
            "branchName": "string",
            "lastDeployTime": number,
            "status": "string",
            "thumbnailUrl": "string"
        },
        "repository": "string",
        "repositoryCloneMethod": "string",
        "tags": {
            "string" : "string"
        },
        "updateTime": number,
        "wafConfiguration": {
            "statusReason": "string",
            "wafStatus": "string",
            "webAclArn": "string"
        },
        "webhookCreateTime": number
    }
}
```

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.

app

Represents the updated Amplify app.

Type: App object

Errors

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

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

InternalFailureException

The service failed to perform an operation due to an internal issue.

HTTP Status Code: 500

NotFoundException

An entity was not found during an operation.

HTTP Status Code: 404

UnauthorizedException

An operation failed due to a lack of access.

HTTP Status Code: 401

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](#)

- [AWS SDK for Ruby V3](#)

UpdateBranch

Updates a branch for an Amplify app.

Request Syntax

```
POST /apps/appId/branches/branchName HTTP/1.1
Content-type: application/json

{
   "backend": {
      "stackArn": "string"
   },
   "backendEnvironmentArn": "string",
   "basicAuthCredentials": "string",
   "buildSpec": "string",
   "computeRoleArn": "string",
   "description": "string",
   "displayName": "string",
   "enableAutoBuild": boolean,
   "enableBasicAuth": boolean,
   "enableNotification": boolean,
   "enablePerformanceMode": boolean,
   "enablePullRequestPreview": boolean,
   "enableSkewProtection": boolean,
   "environmentVariables": {
      "string" : "string"
   },
   "framework": "string",
   "pullRequestEnvironmentName": "string",
   "stage": "string",
   "ttl": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

appId

The unique ID for an Amplify app.

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `d[a-z0-9]+`

Required: Yes

branchName

The name of the branch.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `(?s).+`

Required: Yes

Request Body

The request accepts the following data in JSON format.

backend

The backend for a `Branch` of an Amplify app. Use for a backend created from an CloudFormation stack.

This field is available to Amplify Gen 2 apps only. When you deploy an application with Amplify Gen 2, you provision the app's backend infrastructure using Typescript code.

Type: Backend object

Required: No

backendEnvironmentArn

The Amazon Resource Name (ARN) for a backend environment that is part of a Gen 1 Amplify app.

This field is available to Amplify Gen 1 apps only where the backend is created using Amplify Studio or the Amplify command line interface (CLI).

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Pattern: (?s).*

Required: No

basicAuthCredentials

The basic authorization credentials for the branch. You must base64-encode the authorization credentials and provide them in the format user:password.

Type: String

Length Constraints: Maximum length of 2000.

Pattern: (?s).*

Required: No

buildSpec

The build specification (build spec) for the branch.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 25000.

Pattern: (?s).+

Required: No

computeRoleArn

The Amazon Resource Name (ARN) of the IAM role to assign to a branch of an SSR app. The SSR Compute role allows the Amplify Hosting compute service to securely access specific AWS resources based on the role's permissions. For more information about the SSR Compute role, see Adding an SSR Compute role in the *Amplify User Guide*.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Pattern: (?s).*

Required: No

description

The description for the branch.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: (?s).*

Required: No

displayName

The display name for a branch. This is used as the default domain prefix.

Type: String

Length Constraints: Maximum length of 255.

Pattern: (?s).*

Required: No

enableAutoBuild

Enables auto building for the branch.

Type: Boolean

Required: No

enableBasicAuth

Enables basic authorization for the branch.

Type: Boolean

Required: No

enableNotification

Enables notifications for the branch.

Type: Boolean

Required: No

enablePerformanceMode

Enables performance mode for the branch.

Performance mode optimizes for faster hosting performance by keeping content cached at the edge for a longer interval. When performance mode is enabled, hosting configuration or code changes can take up to 10 minutes to roll out.

Type: Boolean

Required: No

enablePullRequestPreview

Enables pull request previews for this branch.

Type: Boolean

Required: No

enableSkewProtection

Specifies whether the skew protection feature is enabled for the branch.

Deployment skew protection is available to Amplify applications to eliminate version skew issues between client and servers in web applications. When you apply skew protection to a branch, you can ensure that your clients always interact with the correct version of server-side assets, regardless of when a deployment occurs. For more information about skew protection, see Skew protection for Amplify deployments in the *Amplify User Guide*.

Type: Boolean

Required: No

environmentVariables

The environment variables for the branch.

Type: String to string map

Key Length Constraints: Maximum length of 255.

Key Pattern: `(?s).*`

Value Length Constraints: Maximum length of 5500.

Value Pattern: `(?s).*`

Required: No

framework

The framework for the branch.

Type: String

Length Constraints: Maximum length of 255.

Pattern: `(?s).*`

Required: No

pullRequestEnvironmentName

The Amplify environment name for the pull request.

Type: String

Length Constraints: Maximum length of 20.

Pattern: `(?s).*`

Required: No

stage

Describes the current stage for the branch.

Type: String

Valid Values: `PRODUCTION | BETA | DEVELOPMENT | EXPERIMENTAL | PULL_REQUEST`

Required: No

ttl

The content Time to Live (TTL) for the website in seconds.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 32.

Pattern: \d*

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "branch": {
      "activeJobId": "string",
      "associatedResources": [ "string" ],
      "backend": {
         "stackArn": "string"
      },
      "backendEnvironmentArn": "string",
      "basicAuthCredentials": "string",
      "branchArn": "string",
      "branchName": "string",
      "buildSpec": "string",
      "computeRoleArn": "string",
      "createTime": number,
      "customDomains": [ "string" ],
      "description": "string",
      "destinationBranch": "string",
      "displayName": "string",
      "enableAutoBuild": boolean,
      "enableBasicAuth": boolean,
      "enableNotification": boolean,
      "enablePerformanceMode": boolean,
      "enablePullRequestPreview": boolean,
      "enableSkewProtection": boolean,
      "environmentVariables": {
         "string" : "string"
      },
      "framework": "string",
      "pullRequestEnvironmentName": "string",
      "sourceBranch": "string",
      "stage": "string",
      "tags": {
```

```
            "string" : "string"
        },
        "thumbnailUrl": "string",
        "totalNumberOfJobs": "string",
        "ttl": "string",
        "updateTime": number
    }
}
```

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.

branch

The branch for an Amplify app, which maps to a third-party repository branch.

Type: Branch object

Errors

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

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

DependentServiceFailureException

An operation failed because a dependent service threw an exception.

HTTP Status Code: 503

InternalFailureException

The service failed to perform an operation due to an internal issue.

HTTP Status Code: 500

NotFoundException

An entity was not found during an operation.

HTTP Status Code: 404

UnauthorizedException

An operation failed due to a lack of access.

HTTP Status Code: 401

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
- AWS SDK for Ruby V3

UpdateDomainAssociation

Creates a new domain association for an Amplify app.

Request Syntax

```
POST /apps/appId/domains/domainName HTTP/1.1
Content-type: application/json

{
   "autoSubDomainCreationPatterns": [ "string" ],
   "autoSubDomainIAMRole": "string",
   "certificateSettings": {
      "customCertificateArn": "string",
      "type": "string"
   },
   "enableAutoSubDomain": boolean,
   "subDomainSettings": [
      {
         "branchName": "string",
         "prefix": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

appId

The unique ID for an Amplify app.

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: d[a-z0-9]+

Required: Yes

domainName

The name of the domain.

Length Constraints: Maximum length of 64.

Pattern: `^(((?!-)[A-Za-z0-9-]{0,62}[A-Za-z0-9])\.)+((?!-)[A-Za-z0-9-]{1,62}[A-Za-z0-9])(\.)?$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

autoSubDomainCreationPatterns

Sets the branch patterns for automatic subdomain creation.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `(?s).+`

Required: No

autoSubDomainIAMRole

The required AWS Identity and Access Management (IAM) service role for the Amazon Resource Name (ARN) for automatically creating subdomains.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: `^$|^arn:aws:iam::\d{12}:role.+`

Required: No

certificateSettings

The type of SSL/TLS certificate to use for your custom domain.

Type: CertificateSettings object

Required: No

enableAutoSubDomain

Enables the automated creation of subdomains for branches.

Type: Boolean

Required: No

subDomainSettings

Describes the settings for the subdomain.

Type: Array of SubDomainSetting objects

Array Members: Maximum number of 500 items.

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "domainAssociation": {
      "autoSubDomainCreationPatterns": [ "string" ],
      "autoSubDomainIAMRole": "string",
      "certificate": {
         "certificateVerificationDNSRecord": "string",
         "customCertificateArn": "string",
         "type": "string"
      },
      "certificateVerificationDNSRecord": "string",
      "domainAssociationArn": "string",
      "domainName": "string",
      "domainStatus": "string",
      "enableAutoSubDomain": boolean,
      "statusReason": "string",
      "subDomains": [
         {
            "dnsRecord": "string",
            "subDomainSetting": {
               "branchName": "string",
```

```
            "prefix": "string"
        },
        "verified": boolean
    }
  ],
  "updateStatus": "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.

domainAssociation

Describes a domain association, which associates a custom domain with an Amplify app.

Type: DomainAssociation object

Errors

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

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

DependentServiceFailureException

An operation failed because a dependent service threw an exception.

HTTP Status Code: 503

InternalFailureException

The service failed to perform an operation due to an internal issue.

HTTP Status Code: 500

NotFoundException

An entity was not found during an operation.

HTTP Status Code: 404

UnauthorizedException

An operation failed due to a lack of access.

HTTP Status Code: 401

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](#)
- [AWS SDK for Ruby V3](#)

UpdateWebhook

Updates a webhook.

Request Syntax

```
POST /webhooks/webhookId HTTP/1.1
Content-type: application/json

{
    "branchName": "string",
    "description": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

webhookId

The unique ID for a webhook.

Length Constraints: Maximum length of 255.

Pattern: (?s).*

Required: Yes

Request Body

The request accepts the following data in JSON format.

branchName

The name for a branch that is part of an Amplify app.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: (?s).+

Required: No

description

The description for a webhook.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: (?s).*

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "webhook": {
      "appId": "string",
      "branchName": "string",
      "createTime": number,
      "description": "string",
      "updateTime": number,
      "webhookArn": "string",
      "webhookId": "string",
      "webhookUrl": "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

Describes a webhook that connects repository events to an Amplify app.

Type: Webhook object

Errors

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

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

DependentServiceFailureException

An operation failed because a dependent service threw an exception.

HTTP Status Code: 503

InternalFailureException

The service failed to perform an operation due to an internal issue.

HTTP Status Code: 500

NotFoundException

An entity was not found during an operation.

HTTP Status Code: 404

UnauthorizedException

An operation failed due to a lack of access.

HTTP Status Code: 401

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](#)
- [AWS SDK for Ruby V3](#)

Data Types

The AWS Amplify 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:

- [App](#)
- [Artifact](#)
- [AutoBranchCreationConfig](#)
- [Backend](#)
- [BackendEnvironment](#)
- [Branch](#)
- [CacheConfig](#)
- [Certificate](#)
- [CertificateSettings](#)
- [CustomRule](#)
- [DomainAssociation](#)
- [Job](#)
- [JobConfig](#)
- [JobSummary](#)
- [ProductionBranch](#)
- [Step](#)
- [SubDomain](#)
- [SubDomainSetting](#)
- [WafConfiguration](#)
- [Webhook](#)

App

Represents the different branches of a repository for building, deploying, and hosting an Amplify app.

Contents

appArn

The Amazon Resource Name (ARN) of the Amplify app.

Type: String

Length Constraints: Maximum length of 1000.

Required: Yes

appId

The unique ID of the Amplify app.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `d[a-z0-9]+`

Required: Yes

createTime

A timestamp of when Amplify created the application.

Type: Timestamp

Required: Yes

defaultDomain

The default domain for the Amplify app.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

description

The description for the Amplify app.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: `(?s).*`

Required: Yes

enableBasicAuth

Enables basic authorization for the Amplify app's branches.

Type: Boolean

Required: Yes

enableBranchAutoBuild

Enables the auto-building of branches for the Amplify app.

Type: Boolean

Required: Yes

environmentVariables

The environment variables for the Amplify app.

For a list of the environment variables that are accessible to Amplify by default, see [Amplify Environment variables](#) in the *Amplify Hosting User Guide*.

Type: String to string map

Key Length Constraints: Maximum length of 255.

Key Pattern: `(?s).*`

Value Length Constraints: Maximum length of 5500.

Value Pattern: `(?s).*`

Required: Yes

name

The name for the Amplify app.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: (?s).+

Required: Yes

platform

The platform for the Amplify app. For a static app, set the platform type to WEB. For a dynamic server-side rendered (SSR) app, set the platform type to WEB_COMPUTE. For an app requiring Amplify Hosting's original SSR support only, set the platform type to WEB_DYNAMIC.

If you are deploying an SSG only app with Next.js 14 or later, you must use the platform type WEB_COMPUTE.

Type: String

Valid Values: WEB | WEB_DYNAMIC | WEB_COMPUTE

Required: Yes

repository

The Git repository for the Amplify app.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: (?s).*

Required: Yes

updateTime

A timestamp of when Amplify updated the application.

Type: Timestamp

Required: Yes

autoBranchCreationConfig

Describes the automated branch creation configuration for the Amplify app.

Type: AutoBranchCreationConfig object

Required: No

autoBranchCreationPatterns

Describes the automated branch creation glob patterns for the Amplify app.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `(?s).+`

Required: No

basicAuthCredentials

The basic authorization credentials for branches for the Amplify app. You must base64-encode the authorization credentials and provide them in the format `user:password`.

Type: String

Length Constraints: Maximum length of 2000.

Pattern: `(?s).*`

Required: No

buildSpec

Describes the content of the build specification (build spec) for the Amplify app.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 25000.

Pattern: `(?s).+`

Required: No

cacheConfig

The cache configuration for the Amplify app. If you don't specify the cache configuration `type`, Amplify uses the default `AMPLIFY_MANAGED` setting.

Type: [CacheConfig](#) object

Required: No

computeRoleArn

The Amazon Resource Name (ARN) of the IAM role for an SSR app. The Compute role allows the Amplify Hosting compute service to securely access specific AWS resources based on the role's permissions. For more information about the SSR Compute role, see [Adding an SSR Compute role](#) in the *Amplify User Guide*.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Pattern: `(?s).*`

Required: No

customHeaders

Describes the custom HTTP headers for the Amplify app.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 25000.

Pattern: `(?s).*`

Required: No

customRules

Describes the custom redirect and rewrite rules for the Amplify app.

Type: Array of [CustomRule](#) objects

Required: No

enableAutoBranchCreation

Enables automated branch creation for the Amplify app.

Type: Boolean

Required: No

enableBranchAutoDeletion

Automatically disconnect a branch in the Amplify console when you delete a branch from your Git repository.

Type: Boolean

Required: No

iamServiceRoleArn

The Amazon Resource Name (ARN) of the IAM service role for the Amplify app.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Pattern: `(?s).*`

Required: No

jobConfig

The configuration details that apply to the jobs for an Amplify app.

Type: JobConfig object

Required: No

productionBranch

Describes the information about a production branch of the Amplify app.

Type: ProductionBranch object

Required: No

repositoryCloneMethod

> **ⓘ Note**
>
> This is for internal use.

The Amplify service uses this parameter to specify the authentication protocol to use to access the Git repository for an Amplify app. Amplify specifies `TOKEN` for a GitHub repository, `SIGV4` for an AWS CodeCommit repository, and `SSH` for GitLab and Bitbucket repositories.

Type: String

Valid Values: `SSH | TOKEN | SIGV4`

Required: No

tags

The tag for the Amplify app.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-=._:/]+$`

Value Length Constraints: Maximum length of 256.

Value Pattern: `^([\p{L}\p{Z}\p{N}_.:/=+\-@]*)$`

Required: No

wafConfiguration

Describes the Firewall configuration for the Amplify app. Firewall support enables you to protect your hosted applications with a direct integration with AWS WAF.

Type: [WafConfiguration](#) object

Required: No

webhookCreateTime

A timestamp of when Amplify created the webhook in your Git repository.

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](#)

Artifact

Describes an artifact.

Contents

artifactFileName

>   The file name for the artifact.

>   Type: String

>   Length Constraints: Maximum length of 1000.

>   Required: Yes

artifactId

>   The unique ID for the artifact.

>   Type: String

>   Length Constraints: Maximum length of 255.

>   Pattern: `(?s).*`

>   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](#)

AutoBranchCreationConfig

Describes the automated branch creation configuration.

Contents

basicAuthCredentials

The basic authorization credentials for the autocreated branch. You must base64-encode the authorization credentials and provide them in the format `user:password`.

Type: String

Length Constraints: Maximum length of 2000.

Pattern: `(?s).*`

Required: No

buildSpec

The build specification (build spec) for the autocreated branch.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 25000.

Pattern: `(?s).+`

Required: No

enableAutoBuild

Enables auto building for the autocreated branch.

Type: Boolean

Required: No

enableBasicAuth

Enables basic authorization for the autocreated branch.

Type: Boolean

Required: No

enablePerformanceMode

Enables performance mode for the branch.

Performance mode optimizes for faster hosting performance by keeping content cached at the edge for a longer interval. When performance mode is enabled, hosting configuration or code changes can take up to 10 minutes to roll out.

Type: Boolean

Required: No

enablePullRequestPreview

Enables pull request previews for the autocreated branch.

Type: Boolean

Required: No

environmentVariables

The environment variables for the autocreated branch.

Type: String to string map

Key Length Constraints: Maximum length of 255.

Key Pattern: `(?s).*`

Value Length Constraints: Maximum length of 5500.

Value Pattern: `(?s).*`

Required: No

framework

The framework for the autocreated branch.

Type: String

Length Constraints: Maximum length of 255.

Pattern: `(?s).*`

Required: No

pullRequestEnvironmentName

The Amplify environment name for the pull request.

Type: String

Length Constraints: Maximum length of 20.

Pattern: `(?s).*`

Required: No

stage

Describes the current stage for the autocreated branch.

Type: String

Valid Values: `PRODUCTION | BETA | DEVELOPMENT | EXPERIMENTAL | PULL_REQUEST`

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](#)

Backend

Describes the backend associated with an Amplify `Branch`.

This property is available to Amplify Gen 2 apps only. When you deploy an application with Amplify Gen 2, you provision the app's backend infrastructure using Typescript code.

Contents

stackArn

The Amazon Resource Name (ARN) for the CloudFormation stack.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws:cloudformation:[a-z0-9-]+:\d{12}:stack/.+/.+$`

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](#)

BackendEnvironment

Describes the backend environment associated with a `Branch` of a Gen 1 Amplify app. Amplify Gen 1 applications are created using Amplify Studio or the Amplify command line interface (CLI).

Contents

backendEnvironmentArn

The Amazon Resource Name (ARN) for a backend environment that is part of an Amplify app.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Pattern: `(?s).*`

Required: Yes

createTime

The creation date and time for a backend environment that is part of an Amplify app.

Type: Timestamp

Required: Yes

environmentName

The name for a backend environment that is part of an Amplify app.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `(?s).+`

Required: Yes

updateTime

The last updated date and time for a backend environment that is part of an Amplify app.

Type: Timestamp

Required: Yes

deploymentArtifacts

The name of deployment artifacts.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Pattern: (?s).+

Required: No

stackName

The AWS CloudFormation stack name of a backend environment.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: (?s).+

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](#)

Branch

The branch for an Amplify app, which maps to a third-party repository branch.

Contents

activeJobId

The ID of the active job for a branch of an Amplify app.

Type: String

Length Constraints: Maximum length of 1000.

Required: Yes

branchArn

The Amazon Resource Name (ARN) for a branch that is part of an Amplify app.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: (?s).*

Required: Yes

branchName

The name for the branch that is part of an Amplify app.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: (?s).+

Required: Yes

createTime

A timestamp of when Amplify created the branch.

Type: Timestamp

Required: Yes

customDomains

The custom domains for a branch of an Amplify app.

Type: Array of strings

Array Members: Maximum number of 255 items.

Length Constraints: Maximum length of 255.

Required: Yes

description

The description for the branch that is part of an Amplify app.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: (?s).*

Required: Yes

displayName

The display name for the branch. This is used as the default domain prefix.

Type: String

Length Constraints: Maximum length of 255.

Pattern: (?s).*

Required: Yes

enableAutoBuild

Enables auto-building on push for a branch of an Amplify app.

Type: Boolean

Required: Yes

enableBasicAuth

Enables basic authorization for a branch of an Amplify app.

Type: Boolean

Required: Yes

enableNotification

Enables notifications for a branch that is part of an Amplify app.

Type: Boolean

Required: Yes

enablePullRequestPreview

Enables pull request previews for the branch.

Type: Boolean

Required: Yes

environmentVariables

The environment variables specific to a branch of an Amplify app.

Type: String to string map

Key Length Constraints: Maximum length of 255.

Key Pattern: `(?s).*`

Value Length Constraints: Maximum length of 5500.

Value Pattern: `(?s).*`

Required: Yes

framework

The framework for a branch of an Amplify app.

Type: String

Length Constraints: Maximum length of 255.

Pattern: (?s).*

Required: Yes

stage

The current stage for the branch that is part of an Amplify app.

Type: String

Valid Values: PRODUCTION | BETA | DEVELOPMENT | EXPERIMENTAL | PULL_REQUEST

Required: Yes

totalNumberOfJobs

The total number of jobs that are part of an Amplify app.

Type: String

Length Constraints: Maximum length of 1000.

Required: Yes

ttl

The content Time to Live (TTL) for the website in seconds.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 32.

Pattern: \d*

Required: Yes

updateTime

A timestamp for the last updated time for a branch.

Type: Timestamp

Required: Yes

associatedResources

A list of custom resources that are linked to this branch.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

backend

Describes the backend associated with an Amplify `Branch`.

This property is available to Amplify Gen 2 apps only. When you deploy an application with Amplify Gen 2, you provision the app's backend infrastructure using Typescript code.

Type: [Backend](#) object

Required: No

backendEnvironmentArn

The Amazon Resource Name (ARN) for a backend environment that is part of an Amplify app.

This property is available to Amplify Gen 1 apps only. When you deploy an application with Amplify Gen 2, you provision the app's backend infrastructure using Typescript code.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Pattern: `(?s).*`

Required: No

basicAuthCredentials

The basic authorization credentials for a branch of an Amplify app. You must base64-encode the authorization credentials and provide them in the format `user:password`.

Type: String

Length Constraints: Maximum length of 2000.

Pattern: `(?s).*`

Required: No

buildSpec

The build specification (build spec) content for the branch of an Amplify app.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 25000.

Pattern: `(?s).+`

Required: No

computeRoleArn

The Amazon Resource Name (ARN) of the IAM role for a branch of an SSR app. The Compute role allows the Amplify Hosting compute service to securely access specific AWS resources based on the role's permissions. For more information about the SSR Compute role, see Adding an SSR Compute role in the *Amplify User Guide*.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Pattern: `(?s).*`

Required: No

destinationBranch

The destination branch if the branch is a pull request branch.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `(?s).+`

Required: No

enablePerformanceMode

Enables performance mode for the branch.

Performance mode optimizes for faster hosting performance by keeping content cached at the edge for a longer interval. When performance mode is enabled, hosting configuration or code changes can take up to 10 minutes to roll out.

Type: Boolean

Required: No

enableSkewProtection

Specifies whether the skew protection feature is enabled for the branch.

Deployment skew protection is available to Amplify applications to eliminate version skew issues between client and servers in web applications. When you apply skew protection to a branch, you can ensure that your clients always interact with the correct version of server-side assets, regardless of when a deployment occurs. For more information about skew protection, see [Skew protection for Amplify deployments](#) in the *Amplify User Guide*.

Type: Boolean

Required: No

pullRequestEnvironmentName

The Amplify environment name for the pull request.

Type: String

Length Constraints: Maximum length of 20.

Pattern: `(?s).*`

Required: No

sourceBranch

The source branch if the branch is a pull request branch.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `(?s).+`

Required: No

tags

The tag for the branch of an Amplify app.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-=._:/]+$`

Value Length Constraints: Maximum length of 256.

Value Pattern: `^([\p{L}\p{Z}\p{N}_.:/=+\-@]*)$`

Required: No

thumbnailUrl

The thumbnail URL for the branch of an Amplify app.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

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](#)

CacheConfig

Describes the cache configuration for an Amplify app.

For more information about how Amplify applies an optimal cache configuration for your app based on the type of content that is being served, see [Managing cache configuration](#) in the *Amplify User guide*.

Contents

type

The type of cache configuration to use for an Amplify app.

The `AMPLIFY_MANAGED` cache configuration automatically applies an optimized cache configuration for your app based on its platform, routing rules, and rewrite rules.

The `AMPLIFY_MANAGED_NO_COOKIES` cache configuration type is the same as `AMPLIFY_MANAGED`, except that it excludes all cookies from the cache key. This is the default setting.

Type: String

Valid Values: `AMPLIFY_MANAGED | AMPLIFY_MANAGED_NO_COOKIES`

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](#)

Certificate

Describes the current SSL/TLS certificate that is in use for the domain. If you are using `CreateDomainAssociation` to create a new domain association, `Certificate` describes the new certificate that you are creating.

Contents

type

The type of SSL/TLS certificate that you want to use.

Specify AMPLIFY_MANAGED to use the default certificate that Amplify provisions for you.

Specify CUSTOM to use your own certificate that you have already added to AWS Certificate Manager in your AWS account. Make sure you request (or import) the certificate in the US East (N. Virginia) Region (us-east-1). For more information about using ACM, see [Importing certificates into AWS Certificate Manager](#) in the *ACM User guide*.

Type: String

Valid Values: AMPLIFY_MANAGED | CUSTOM

Required: Yes

certificateVerificationDNSRecord

The DNS record for certificate verification.

Type: String

Length Constraints: Maximum length of 1000.

Required: No

customCertificateArn

The Amazon resource name (ARN) for a custom certificate that you have already added to AWS Certificate Manager in your AWS account.

This field is required only when the certificate type is CUSTOM.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Pattern: `^arn:aws:acm:[a-z0-9-]+:\d{12}:certificate\/.+$`

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](#)

CertificateSettings

The type of SSL/TLS certificate to use for your custom domain. If a certificate type isn't specified, Amplify uses the default `AMPLIFY_MANAGED` certificate.

Contents

type

The certificate type.

Specify `AMPLIFY_MANAGED` to use the default certificate that Amplify provisions for you.

Specify `CUSTOM` to use your own certificate that you have already added to AWS Certificate Manager in your AWS account. Make sure you request (or import) the certificate in the US East (N. Virginia) Region (us-east-1). For more information about using ACM, see Importing certificates into AWS Certificate Manager in the *ACM User guide*.

Type: String

Valid Values: `AMPLIFY_MANAGED | CUSTOM`

Required: Yes

customCertificateArn

The Amazon resource name (ARN) for the custom certificate that you have already added to AWS Certificate Manager in your AWS account.

This field is required only when the certificate type is CUSTOM.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Pattern: `^arn:aws:acm:[a-z0-9-]+:\d{12}:certificate\/.+$`

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](#)

CustomRule

Describes a custom rewrite or redirect rule.

Contents

source

> The source pattern for a URL rewrite or redirect rule.
>
> Type: String
>
> Length Constraints: Minimum length of 1. Maximum length of 2048.
>
> Pattern: (?s).+
>
> Required: Yes

target

> The target pattern for a URL rewrite or redirect rule.
>
> Type: String
>
> Length Constraints: Minimum length of 1. Maximum length of 2048.
>
> Pattern: (?s).+
>
> Required: Yes

condition

> The condition for a URL rewrite or redirect rule, such as a country code.
>
> Type: String
>
> Length Constraints: Minimum length of 0. Maximum length of 2048.
>
> Pattern: (?s).*
>
> Required: No

status

> The status code for a URL rewrite or redirect rule.

200

    Represents a 200 rewrite rule.

301

    Represents a 301 (moved permanently) redirect rule. This and all future requests should be directed to the target URL.

302

    Represents a 302 temporary redirect rule.

404

    Represents a 404 redirect rule.

404-200

    Represents a 404 rewrite rule.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 7.

Pattern: `.{3,7}`

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](#)

DomainAssociation

Describes the association between a custom domain and an Amplify app.

Contents

domainAssociationArn

The Amazon Resource Name (ARN) for the domain association.

Type: String

Length Constraints: Maximum length of 1000.

Required: Yes

domainName

The name of the domain.

Type: String

Length Constraints: Maximum length of 64.

Pattern: `^(((?!-)[A-Za-z0-9-]{0,62}[A-Za-z0-9])\.)+((?!-)[A-Za-z0-9-]{1,62}[A-Za-z0-9])(\.)?$`

Required: Yes

domainStatus

The current status of the domain association.

Type: String

Valid Values: `PENDING_VERIFICATION | IN_PROGRESS | AVAILABLE | IMPORTING_CUSTOM_CERTIFICATE | PENDING_DEPLOYMENT | AWAITING_APP_CNAME | FAILED | CREATING | REQUESTING_CERTIFICATE | UPDATING`

Required: Yes

enableAutoSubDomain

Enables the automated creation of subdomains for branches.

Type: Boolean

Required: Yes

statusReason

Additional information that describes why the domain association is in the current state.

Type: String

Length Constraints: Maximum length of 1000.

Required: Yes

subDomains

The subdomains for the domain association.

Type: Array of SubDomain objects

Array Members: Maximum number of 500 items.

Required: Yes

autoSubDomainCreationPatterns

Sets branch patterns for automatic subdomain creation.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `(?s).+`

Required: No

autoSubDomainIAMRole

The required AWS Identity and Access Management (IAM) service role for the Amazon Resource Name (ARN) for automatically creating subdomains.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: `^$|^arn:aws:iam::\d{12}:role.+`

Required: No

certificate

Describes the SSL/TLS certificate for the domain association. This can be your own custom certificate or the default certificate that Amplify provisions for you.

If you are updating your domain to use a different certificate, `certificate` points to the new certificate that is being created instead of the current active certificate. Otherwise, `certificate` points to the current active certificate.

Type: Certificate object

Required: No

certificateVerificationDNSRecord

The DNS record for certificate verification.

Type: String

Length Constraints: Maximum length of 1000.

Required: No

updateStatus

The status of the domain update operation that is currently in progress. The following list describes the valid update states.

REQUESTING_CERTIFICATE

The certificate is in the process of being updated.

PENDING_VERIFICATION

Indicates that an Amplify managed certificate is in the process of being verified. This occurs during the creation of a custom domain or when a custom domain is updated to use a managed certificate.

IMPORTING_CUSTOM_CERTIFICATE

Indicates that an Amplify custom certificate is in the process of being imported. This occurs during the creation of a custom domain or when a custom domain is updated to use a custom certificate.

PENDING_DEPLOYMENT

Indicates that the subdomain or certificate changes are being propagated.

AWAITING_APP_CNAME

Amplify is waiting for CNAME records corresponding to subdomains to be propagated. If your custom domain is on Route 53, Amplify handles this for you automatically. For more information about custom domains, see [Setting up custom domains](#) in the *Amplify Hosting User Guide*.

UPDATE_COMPLETE

The certificate has been associated with a domain.

UPDATE_FAILED

The certificate has failed to be provisioned or associated, and there is no existing active certificate to roll back to.

Type: String

Valid Values: REQUESTING_CERTIFICATE | PENDING_VERIFICATION | IMPORTING_CUSTOM_CERTIFICATE | PENDING_DEPLOYMENT | AWAITING_APP_CNAME | UPDATE_COMPLETE | UPDATE_FAILED

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](#)

Job

Describes an execution job for an Amplify app.

Contents

steps

The execution steps for an execution job, for an Amplify app.

Type: Array of [Step](#) objects

Required: Yes

summary

Describes the summary for an execution job for an Amplify app.

Type: [JobSummary](#) object

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](#)

JobConfig

Describes the configuration details that apply to the jobs for an Amplify app.

Use `JobConfig` to apply configuration to jobs, such as customizing the build instance size when you create or update an Amplify app. For more information about customizable build instances, see [Custom build instances](#) in the *Amplify User Guide*.

Contents

buildComputeType

Specifies the size of the build instance. Amplify supports three instance sizes: STANDARD_8GB, LARGE_16GB, and XLARGE_72GB. If you don't specify a value, Amplify uses the STANDARD_8GB default.

The following list describes the CPU, memory, and storage capacity for each build instance type:

STANDARD_8GB

- vCPUs: 4

- Memory: 8 GiB

- Disk space: 128 GB

LARGE_16GB

- vCPUs: 8

- Memory: 16 GiB

- Disk space: 128 GB

XLARGE_72GB

- vCPUs: 36

- Memory: 72 GiB

- Disk space: 256 GB

Type: String

Valid Values: STANDARD_8GB | LARGE_16GB | XLARGE_72GB

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](#)

JobSummary

Describes the summary for an execution job for an Amplify app.

Contents

commitId

   The commit ID from a third-party repository provider for the job.

   Type: String

   Length Constraints: Maximum length of 255.

   Pattern: (?s).*

   Required: Yes

commitMessage

   The commit message from a third-party repository provider for the job.

   Type: String

   Length Constraints: Maximum length of 10000.

   Pattern: (?s).*

   Required: Yes

commitTime

   The commit date and time for the job.

   Type: Timestamp

   Required: Yes

jobArn

   The Amazon Resource Name (ARN) for the job.

   Type: String

   Length Constraints: Maximum length of 1000.

Required: Yes

jobId

The unique ID for the job.

Type: String

Length Constraints: Maximum length of 255.

Pattern: [0-9]+

Required: Yes

jobType

The type for the job. If the value is RELEASE, the job was manually released from its source by using the StartJob API. This value is available only for apps that are connected to a repository.

If the value is RETRY, the job was manually retried using the StartJob API. If the value is WEB_HOOK, the job was automatically triggered by webhooks. If the value is MANUAL, the job is for a manually deployed app. Manually deployed apps are not connected to a Git repository.

Type: String

Length Constraints: Maximum length of 10.

Valid Values: RELEASE | RETRY | MANUAL | WEB_HOOK

Required: Yes

startTime

The start date and time for the job.

Type: Timestamp

Required: Yes

status

The current status for the job.

Type: String

Valid Values: `CREATED | PENDING | PROVISIONING | RUNNING | FAILED | SUCCEED | CANCELLING | CANCELLED`

Required: Yes

endTime

The end date and time for the job.

Type: Timestamp

Required: No

sourceUrl

The source URL for the files to deploy. The source URL can be either an HTTP GET URL that is publicly accessible and downloads a single .zip file, or an Amazon S3 bucket and prefix.

Type: String

Length Constraints: Maximum length of 3000.

Pattern: `^(s3|https|http)://.*`

Required: No

sourceUrlType

The type of source specified by the `sourceURL`. If the value is ZIP, the source is a .zip file. If the value is BUCKET_PREFIX, the source is an Amazon S3 bucket and prefix. If no value is specified, the default is ZIP.

Type: String

Valid Values: `ZIP | BUCKET_PREFIX`

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](#)

- [AWS SDK for Ruby V3](#)

ProductionBranch

Describes the information about a production branch for an Amplify app.

Contents

branchName

The branch name for the production branch.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: (?s).+

Required: No

lastDeployTime

The last deploy time of the production branch.

Type: Timestamp

Required: No

status

The status of the production branch.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 7.

Pattern: .{3,7}

Required: No

thumbnailUrl

The thumbnail URL for the production branch.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

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](#)

Step

Describes an execution step, for an execution job, for an Amplify app.

Contents

endTime

The end date and time of the execution step.

Type: Timestamp

Required: Yes

startTime

The start date and time of the execution step.

Type: Timestamp

Required: Yes

status

The status of the execution step.

Type: String

Valid Values: `CREATED` | `PENDING` | `PROVISIONING` | `RUNNING` | `FAILED` | `SUCCEED` | `CANCELLING` | `CANCELLED`

Required: Yes

stepName

The name of the execution step.

Type: String

Length Constraints: Maximum length of 255.

Required: Yes

artifactsUrl

The URL to the build artifact for the execution step.

Type: String

Length Constraints: Maximum length of 1000.

Required: No

context

The context for the current step. Includes a build image if the step is build.

Type: String

Required: No

logUrl

The URL to the logs for the execution step.

Type: String

Length Constraints: Maximum length of 1000.

Required: No

screenshots

The list of screenshot URLs for the execution step, if relevant.

Type: String to string map

Key Length Constraints: Maximum length of 256.

Value Length Constraints: Minimum length of 1. Maximum length of 2000.

Required: No

statusReason

The reason for the current step status.

Type: String

Length Constraints: Maximum length of 1000.

Required: No

testArtifactsUrl

The URL to the test artifact for the execution step.

Type: String

Length Constraints: Maximum length of 1000.

Required: No

testConfigUrl

The URL to the test configuration for the execution step.

Type: String

Length Constraints: Maximum length of 1000.

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](#)

SubDomain

The subdomain for the domain association.

Contents

dnsRecord

> The DNS record for the subdomain.
>
> Type: String
>
> Length Constraints: Maximum length of 1000.
>
> Required: Yes

subDomainSetting

> Describes the settings for the subdomain.
>
> Type: [SubDomainSetting](#) object
>
> Required: Yes

verified

> The verified status of the subdomain
>
> 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](#)

SubDomainSetting

Describes the settings for the subdomain.

Contents

branchName

   The branch name setting for the subdomain.

   Type: String

   Length Constraints: Minimum length of 1. Maximum length of 255.

   Pattern: (?s).+

   Required: Yes

prefix

   The prefix setting for the subdomain.

   Type: String

   Length Constraints: Maximum length of 255.

   Pattern: (?s).*

   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

WafConfiguration

Describes the Firewall configuration for a hosted Amplify application. Firewall support enables you to protect your web applications with a direct integration with AWS WAF. For more information about using AWS WAF protections for an Amplify application, see [Firewall support for hosted sites](#) in the *Amplify User Guide*.

Contents

statusReason

The reason for the current status of the Firewall configuration.

Type: String

Length Constraints: Maximum length of 1000.

Required: No

wafStatus

The status of the process to associate or disassociate a web ACL to an Amplify app.

Type: String

Valid Values: `ASSOCIATING` | `ASSOCIATION_FAILED` | `ASSOCIATION_SUCCESS` | `DISASSOCIATING` | `DISASSOCIATION_FAILED`

Required: No

webAclArn

The Amazon Resource Name (ARN) for the web ACL associated with an Amplify app.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 512.

Pattern: `^arn:aws:wafv2:.*`

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

Describes a webhook that connects repository events to an Amplify app.

Contents

branchName

The name for a branch that is part of an Amplify app.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: (?s).+

Required: Yes

createTime

A timestamp of when Amplify created the webhook in your Git repository.

Type: Timestamp

Required: Yes

description

The description for a webhook.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: (?s).*

Required: Yes

updateTime

A timestamp of when Amplify updated the webhook in your Git repository.

Type: Timestamp

Required: Yes

webhookArn

The Amazon Resource Name (ARN) for the webhook.

Type: String

Length Constraints: Maximum length of 1000.

Required: Yes

webhookId

The ID of the webhook.

Type: String

Length Constraints: Maximum length of 255.

Pattern: `(?s).*`

Required: Yes

webhookUrl

The URL of the webhook.

Type: String

Length Constraints: Maximum length of 1000.

Required: Yes

appId

The unique ID of an Amplify app.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `d[a-z0-9]+`

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 Errors

This section lists the errors common to the API actions of all AWS services. For errors specific to an API action for this service, see the topic for that API action.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ExpiredTokenException

The security token included in the request is expired

HTTP Status Code: 403

IncompleteSignature

The request signature does not conform to AWS standards.

HTTP Status Code: 403

InternalFailure

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

MalformedHttpRequestException

Problems with the request at the HTTP level, e.g. we can't decompress the body according to the decompression algorithm specified by the content-encoding.

HTTP Status Code: 400

NotAuthorized

You do not have permission to perform this action.

HTTP Status Code: 401

OptInRequired

The AWS access key ID needs a subscription for the service.

HTTP Status Code: 403

RequestAbortedException

Convenient exception that can be used when a request is aborted before a reply is sent back (e.g. client closed connection).

HTTP Status Code: 400

RequestEntityTooLargeException

Problems with the request at the HTTP level. The request entity is too large.

HTTP Status Code: 413

RequestExpired

The request reached the service more than 15 minutes after the date stamp on the request or more than 15 minutes after the request expiration date (such as for pre-signed URLs), or the date stamp on the request is more than 15 minutes in the future.

HTTP Status Code: 400

RequestTimeoutException

Problems with the request at the HTTP level. Reading the Request timed out.

HTTP Status Code: 408

ServiceUnavailable

The request has failed due to a temporary failure of the server.

HTTP Status Code: 503

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

UnrecognizedClientException

The X.509 certificate or AWS access key ID provided does not exist in our records.

HTTP Status Code: 403

UnknownOperationException

The action or operation requested is invalid. Verify that the action is typed correctly.

HTTP Status Code: 404

ValidationError

The input fails to satisfy the constraints specified by an AWS service.

HTTP Status Code: 400