
Amplify

Welcome

API Version 2017-07-25



Amplify: Welcome

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Welcome

Welcome to the AWS Amplify Console API documentation. This reference provides descriptions of the actions and data types for the Amplify Console 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. The Amplify Console provides a continuous delivery and hosting service for web applications. For more information, see the [Amplify Console 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](#) (p. 3)
- [CreateBackendEnvironment](#) (p. 10)
- [CreateBranch](#) (p. 13)
- [CreateDeployment](#) (p. 19)
- [CreateDomainAssociation](#) (p. 22)
- [CreateWebhook](#) (p. 26)
- [DeleteApp](#) (p. 29)
- [DeleteBackendEnvironment](#) (p. 32)
- [DeleteBranch](#) (p. 34)
- [DeleteDomainAssociation](#) (p. 37)
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- [DeleteWebhook](#) (p. 43)
- [GenerateAccessLogs](#) (p. 45)
- [GetApp](#) (p. 48)
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- [ListApps](#) (p. 66)
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- [ListJobs](#) (p. 81)
- [ListTagsForResource](#) (p. 84)
- [ListWebhooks](#) (p. 86)
- [StartDeployment](#) (p. 89)
- [StartJob](#) (p. 92)
- [StopJob](#) (p. 96)
- [TagResource](#) (p. 99)
- [UntagResource](#) (p. 101)
- [UpdateApp](#) (p. 103)
- [UpdateBranch](#) (p. 110)
- [UpdateDomainAssociation](#) (p. 116)
- [UpdateWebhook](#) (p. 120)

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",
  "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",
  "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 (p. 3)

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 (p. 3)

The automated branch creation configuration for an Amplify app.

Type: [AutoBranchCreationConfig](#) (p. 130) object

Required: No

autoBranchCreationPatterns (p. 3)

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 (p. 3)

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 (p. 3)

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

customHeaders (p. 3)

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 (p. 3)

The custom rewrite and redirect rules for an Amplify app.

Type: Array of [CustomRule \(p. 140\)](#) objects

Required: No

description (p. 3)

The description for an Amplify app.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: `(?s) . *`

Required: No

enableAutoBranchCreation (p. 3)

Enables automated branch creation for an Amplify app.

Type: Boolean

Required: No

enableBasicAuth (p. 3)

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

Type: Boolean

Required: No

enableBranchAutoBuild (p. 3)

Enables the auto building of branches for an Amplify app.

Type: Boolean

Required: No

enableBranchAutoDeletion (p. 3)

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

Type: Boolean

Required: No

environmentVariables (p. 3)

The environment variables map 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 (p. 3)

The AWS Identity and Access Management (IAM) service role for an Amplify app.

Type: String

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

Pattern: (?s) . *

Required: No

name (p. 3)

The name for an Amplify app.

Type: String

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

Pattern: (?s) . +

Required: Yes

oauthToken (p. 3)

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 (p. 3)

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`.

Type: String

Valid Values: `WEB` | `WEB_DYNAMIC` | `WEB_COMPUTE`

Required: No

repository (p. 3)

The repository for an Amplify app.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: `(?s).*`

Required: No

tags (p. 3)

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",
  "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",
  "name": "string",
  "platform": "string",
  "productionBranch": {
    "branchName": "string",
    "lastDeployTime": number,
    "status": "string",
    "thumbnailUrl": "string"
  },
  "repository": "string",
  "repositoryCloneMethod": "string",
  "tags": {
    "string" : "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.

app (p. 7)

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

Type: [App \(p. 124\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 156\)](#).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateBackendEnvironment

Creates a new backend environment for an Amplify app.

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 (p. 10)

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 (p. 10)

The name of deployment artifacts.

Type: String

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

Pattern: (?s).+

Required: No

environmentName (p. 10)

The name for the backend environment.

Type: String

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

Pattern: (?s).+

Required: Yes

[stackName \(p. 10\)](#)

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 \(p. 11\)](#)

Describes the backend environment for an Amplify app.

Type: [BackendEnvironment \(p. 133\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 156\)](#).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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

{
  "backendEnvironmentArn": "string",
  "basicAuthCredentials": "string",
  "branchName": "string",
  "buildSpec": "string",
  "description": "string",
  "displayName": "string",
  "enableAutoBuild": boolean,
  "enableBasicAuth": boolean,
  "enableNotification": boolean,
  "enablePerformanceMode": boolean,
  "enablePullRequestPreview": 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 (p. 13)

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.

backendEnvironmentArn (p. 13)

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: No

basicAuthCredentials (p. 13)

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 (p. 13)

The name for the branch.

Type: String

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

Pattern: (?s) . +

Required: Yes

buildSpec (p. 13)

The build specification (build spec) for the branch.

Type: String

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

Pattern: (?s) . +

Required: No

description (p. 13)

The description for the branch.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: (?s) . *

Required: No

displayName (p. 13)

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 (p. 13)

Enables auto building for the branch.

Type: Boolean

Required: No

enableBasicAuth (p. 13)

Enables basic authorization for the branch.

Type: Boolean

Required: No

enableNotification (p. 13)

Enables notifications for the branch.

Type: Boolean

Required: No

enablePerformanceMode (p. 13)

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 (p. 13)

Enables pull request previews for this branch.

Type: Boolean

Required: No

environmentVariables (p. 13)

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 (p. 13)

The framework for the branch.

Type: String

Length Constraints: Maximum length of 255.

Pattern: (?s).*

Required: No

pullRequestEnvironmentName (p. 13)

The Amplify environment name for the pull request.

Type: String

Length Constraints: Maximum length of 20.

Pattern: (?s).*

Required: No

stage (p. 13)

Describes the current stage for the branch.

Type: String

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

Required: No

tags (p. 13)

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 (p. 13)

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" ],
"backendEnvironmentArn": "string",
"basicAuthCredentials": "string",
"branchArn": "string",
"branchName": "string",
"buildSpec": "string",
"createTime": number,
"customDomains": [ "string" ],
"description": "string",
"destinationBranch": "string",
"displayName": "string",
"enableAutoBuild": boolean,
"enableBasicAuth": boolean,
"enableNotification": boolean,
"enablePerformanceMode": boolean,
"enablePullRequestPreview": 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 (p. 16)

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

Type: [Branch \(p. 135\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 156\)](#).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 repository.

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 (p. 19)

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 (p. 19)

The name for the branch, 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 (p. 19)

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 \(p. 20\)](#)

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 \(p. 20\)](#)

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

Type: String

Length Constraints: Maximum length of 255.

Pattern: [0-9]+

[zipUploadUrl \(p. 20\)](#)

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 \(p. 156\)](#).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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",
  "domainName": "string",
  "enableAutoSubDomain": boolean,
  "subDomainSettings": [
    {
      "branchName": "string",
      "prefix": "string"
    }
  ]
}
```

URI Request Parameters

The request uses the following URI parameters.

appId (p. 22)

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 (p. 22)

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 (p. 22)

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

domainName (p. 22)

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 (p. 22)

Enables the automated creation of subdomains for branches.

Type: Boolean

Required: No

subDomainSettings (p. 22)

The setting for the subdomain.

Type: Array of [SubDomainSetting](#) (p. 151) 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",
    "certificateVerificationDNSRecord": "string",
    "domainAssociationArn": "string",
    "domainName": "string",
    "domainStatus": "string",
    "enableAutoSubDomain": boolean,
    "statusReason": "string",
    "subDomains": [
      {
        "dnsRecord": "string",
        "subDomainSetting": {
          "branchName": "string",
          "prefix": "string"
        },
        "verified": boolean
      }
    ]
  }
}
```



```
}  
  }  
}
```

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 (p. 23)

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

Type: [DomainAssociation](#) (p. 142) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 156).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 (p. 26)

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 (p. 26)

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 (p. 26)

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": {
    "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 (p. 27)

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

Type: [Webhook \(p. 152\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 156\)](#).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 \(p. 29\)](#)

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",
    "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",
    "name": "string",
    "platform": "string",
    "productionBranch": {
      "branchName": "string",
      "lastDeployTime": number,
      "status": "string",
      "thumbnailUrl": "string"
    },
    "repository": "string",
    "repositoryCloneMethod": "string",
    "tags": {
      "string" : "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.

app (p. 29)

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

Type: [App](#) (p. 124) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 156).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteBackendEnvironment

Deletes a backend environment for an Amplify app.

Request Syntax

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

URI Request Parameters

The request uses the following URI parameters.

appId (p. 32)

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 (p. 32)

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 (p. 32)

Describes the backend environment for an Amplify app.

Type: [BackendEnvironment \(p. 133\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 156\)](#).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 (p. 34)

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 (p. 34)

The name for 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" ],
    "backendEnvironmentArn": "string",
    "basicAuthCredentials": "string",
    "branchArn": "string",
    "branchName": "string",
    "buildSpec": "string",
    "createTime": number,
    "customDomains": [ "string" ],
    "description": "string",
    "destinationBranch": "string",
    "displayName": "string",
    "enableAutoBuild": boolean,
    "enableBasicAuth": boolean,
```

```
"enableNotification": boolean,
"enablePerformanceMode": boolean,
"enablePullRequestPreview": 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 \(p. 34\)](#)

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

Type: [Branch \(p. 135\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 156\)](#).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [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 (p. 37)

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 (p. 37)

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",
    "certificateVerificationDNSRecord": "string",
    "domainAssociationArn": "string",
    "domainName": "string",
    "domainStatus": "string",
    "enableAutoSubDomain": boolean,
    "statusReason": "string",
    "subDomains": [
      {
        "dnsRecord": "string",
        "subDomainSetting": {
```

```
        "branchName": "string",  
        "prefix": "string"  
      },  
      "verified": boolean  
    }  
  ]  
}
```

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 (p. 37)

Describes a domain association that associates a custom domain with an Amplify app.

Type: [DomainAssociation \(p. 142\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 156\)](#).

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](#)

- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 (p. 40)

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 (p. 40)

The name for the branch, for the job.

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

Pattern: `(?s).+`

Required: Yes

jobId (p. 40)

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",  
"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 \(p. 40\)](#)

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

Type: [JobSummary \(p. 145\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 156\)](#).

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](#)

- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 \(p. 43\)](#)

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": {
    "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 \(p. 43\)](#)

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

Type: [Webhook \(p. 152\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 156\)](#).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 (p. 45)

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 (p. 45)

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 (p. 45)

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

Type: Timestamp

Required: No

startTime (p. 45)

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 \(p. 46\)](#)

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 \(p. 156\)](#).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetApp

Returns an existing Amplify app by appID.

Request Syntax

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

URI Request Parameters

The request uses the following URI parameters.

appId (p. 48)

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",
    "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",
    "name": "string",
    "platform": "string",
    "productionBranch": {
      "branchName": "string",
      "lastDeployTime": number,
      "status": "string",
      "thumbnailUrl": "string"
    },
    "repository": "string",
    "repositoryCloneMethod": "string",
    "tags": {
      "string" : "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.

app (p. 48)

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

Type: [App](#) (p. 124) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 156).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 (p. 51)

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 (p. 51)

The unique ID for an artifact.

Type: String

Length Constraints: Maximum length of 255.

Pattern: (?s).*

artifactUrl (p. 51)

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 \(p. 156\)](#).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetBackendEnvironment

Returns a backend environment for an Amplify app.

Request Syntax

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

URI Request Parameters

The request uses the following URI parameters.

appId (p. 53)

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 (p. 53)

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 (p. 53)

Describes the backend environment for an Amplify app.

Type: [BackendEnvironment \(p. 133\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 156\)](#).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 (p. 55)

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 (p. 55)

The name for 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" ],
    "backendEnvironmentArn": "string",
    "basicAuthCredentials": "string",
    "branchArn": "string",
    "branchName": "string",
    "buildSpec": "string",
    "createTime": number,
    "customDomains": [ "string" ],
    "description": "string",
    "destinationBranch": "string",
    "displayName": "string",
```



```
"enableAutoBuild": boolean,
"enableBasicAuth": boolean,
"enableNotification": boolean,
"enablePerformanceMode": boolean,
"enablePullRequestPreview": 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 \(p. 55\)](#)

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

Type: [Branch \(p. 135\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 156\)](#).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 (p. 58)

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 (p. 58)

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,
    "certificateVerificationDNSRecord": string,
    "domainAssociationArn": string,
    "domainName": string,
    "domainStatus": string,
    "enableAutoSubDomain": boolean,
    "statusReason": string,
    "subDomains": [
      {
        "dnsRecord": string,
        "subDomainSetting": {
```

```
        "branchName": "string",  
        "prefix": "string"  
    },  
    "verified": boolean  
  }  
]  
}
```

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 (p. 58)

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

Type: [DomainAssociation](#) (p. 142) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 156).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)

- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 (p. 61)

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 (p. 61)

The branch name for the job.

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

Pattern: `(?s).+`

Required: Yes

jobId (p. 61)

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",
    "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 \(p. 61\)](#)

Describes an execution job for an Amplify app.

Type: [Job \(p. 144\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 156\)](#).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 (p. 64)

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": {
    "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 (p. 64)

Describes the structure of a webhook.

Type: [Webhook](#) (p. 152) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 156\)](#).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 (p. 66)

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

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

nextToken (p. 66)

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",
"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",
"name": "string",
"platform": "string",
"productionBranch": {
  "branchName": "string",
  "lastDeployTime": number,
  "status": "string",
  "thumbnailUrl": "string"
},
"repository": "string",
"repositoryCloneMethod": "string",
"tags": {
  "string" : "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.

apps (p. 66)

A list of Amplify apps.

Type: Array of [App](#) (p. 124) objects

nextToken (p. 66)

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 \(p. 156\)](#).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListArtifacts

Returns a list of artifacts for a specified app, branch, and job.

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 (p. 69)

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 (p. 69)

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 (p. 69)

The unique ID for a job.

Length Constraints: Maximum length of 255.

Pattern: [0-9]+

Required: Yes

maxResults (p. 69)

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

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

nextToken (p. 69)

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 (p. 70)

A list of artifacts.

Type: Array of [Artifact](#) (p. 129) objects

nextToken (p. 70)

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](#) (p. 156).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListBackendEnvironments

Lists the backend environments for an Amplify app.

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 (p. 72)

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 (p. 72)

The name of the backend environment

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

Pattern: (?s).+

maxResults (p. 72)

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

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

nextToken (p. 72)

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 (p. 72)

The list of backend environments for an Amplify app.

Type: Array of [BackendEnvironment](#) (p. 133) objects

nextToken (p. 72)

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](#) (p. 156).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 (p. 75)

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 (p. 75)

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

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

nextToken (p. 75)

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" ],
      "backendEnvironmentArn": "string",
      "basicAuthCredentials": "string",
      "branchArn": "string",
      "branchName": "string",
      "buildSpec": "string",
```

```
    "createTime": number,
    "customDomains": [ "string" ],
    "description": "string",
    "destinationBranch": "string",
    "displayName": "string",
    "enableAutoBuild": boolean,
    "enableBasicAuth": boolean,
    "enableNotification": boolean,
    "enablePerformanceMode": boolean,
    "enablePullRequestPreview": 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 (p. 75)

A list of branches for an Amplify app.

Type: Array of [Branch \(p. 135\)](#) objects

Array Members: Maximum number of 255 items.

nextToken (p. 75)

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 \(p. 156\)](#).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 (p. 78)

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 (p. 78)

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

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

nextToken (p. 78)

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",
      "certificateVerificationDNSRecord": "string",
      "domainAssociationArn": "string",
      "domainName": "string",
      "domainStatus": "string",
      "enableAutoSubDomain": boolean,
```

```
    "statusReason": "string",
    "subDomains": [
      {
        "dnsRecord": "string",
        "subDomainSetting": {
          "branchName": "string",
          "prefix": "string"
        },
        "verified": boolean
      }
    ],
    "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 (p. 78)

A list of domain associations.

Type: Array of [DomainAssociation \(p. 142\)](#) objects

Array Members: Maximum number of 255 items.

nextToken (p. 78)

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 \(p. 156\)](#).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 (p. 81)

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 (p. 81)

The name for a branch.

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

Pattern: (?s) . +

Required: Yes

maxResults (p. 81)

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

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

nextToken (p. 81)

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",
      "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 \(p. 81\)](#)

The result structure for the list job result request.

Type: Array of [JobSummary \(p. 145\)](#) objects

[nextToken \(p. 81\)](#)

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 \(p. 156\)](#).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 (p. 84)

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 (p. 84)

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 \(p. 156\)](#).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 (p. 86)

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 (p. 86)

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

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

nextToken (p. 86)

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": [
    {
      "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 (p. 86)

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 (p. 86)

A list of webhooks.

Type: Array of [Webhook](#) (p. 152) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 156).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 repository.

Request Syntax

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

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

URI Request Parameters

The request uses the following URI parameters.

appId (p. 89)

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 (p. 89)

The name for the branch, 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.

jobId (p. 89)

The job ID for this deployment, generated by the create deployment request.

Type: String

Length Constraints: Maximum length of 255.

Pattern: [0-9]+

Required: No

sourceUrl (p. 89)

The source URL for this deployment, used when calling start deployment without create deployment. The source URL can be any HTTP GET URL that is publicly accessible and downloads a single .zip file.

Type: String

Length Constraints: Maximum length of 3000.

Pattern: `(?s).*`

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",
    "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 \(p. 90\)](#)

The summary for the job.

Type: [JobSummary \(p. 145\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 156\)](#).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 (p. 92)

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 (p. 92)

The branch name 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 (p. 92)

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 (p. 92)

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 (p. 92)

The commit date and time for the job.

Type: Timestamp

Required: No

jobId (p. 92)

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 (p. 92)

A descriptive reason for starting this job.

Type: String

Length Constraints: Maximum length of 255.

Pattern: (?s) . *

Required: No

jobType (p. 92)

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",
    "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 \(p. 93\)](#)

The summary for the job.

Type: [JobSummary \(p. 145\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 156\)](#).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 (p. 96)

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 (p. 96)

The name for the branch, for the job.

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

Pattern: (?s).+

Required: Yes

jobId (p. 96)

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",  
"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 \(p. 96\)](#)

The summary for the job.

Type: [JobSummary \(p. 145\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 156\)](#).

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](#)

- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 \(p. 99\)](#)

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 \(p. 99\)](#)

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 \(p. 156\)](#).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 (p. 101)

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 (p. 101)

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 \(p. 156\)](#).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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",
  "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",
  "name": "string",
  "oAuthToken": "string",
  "platform": "string",
  "repository": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

appId (p. 103)

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 (p. 103)

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 (p. 103)

The automated branch creation configuration for an Amplify app.

Type: [AutoBranchCreationConfig](#) (p. 130) object

Required: No

autoBranchCreationPatterns (p. 103)

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 (p. 103)

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 (p. 103)

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

customHeaders (p. 103)

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 (p. 103)

The custom redirect and rewrite rules for an Amplify app.

Type: Array of [CustomRule \(p. 140\)](#) objects

Required: No

description (p. 103)

The description for an Amplify app.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: (?s) . *

Required: No

enableAutoBranchCreation (p. 103)

Enables automated branch creation for an Amplify app.

Type: Boolean

Required: No

enableBasicAuth (p. 103)

Enables basic authorization for an Amplify app.

Type: Boolean

Required: No

enableBranchAutoBuild (p. 103)

Enables branch auto-building for an Amplify app.

Type: Boolean

Required: No

enableBranchAutoDeletion (p. 103)

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

Type: Boolean

Required: No

environmentVariables (p. 103)

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 (p. 103)

The AWS Identity and Access Management (IAM) service role for an Amplify app.

Type: String

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

Pattern: (?s) . *

Required: No

name (p. 103)

The name for an Amplify app.

Type: String

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

Pattern: (?s) . +

Required: No

oauthToken (p. 103)

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 \(p. 103\)](#)

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`.

Type: String

Valid Values: `WEB` | `WEB_DYNAMIC` | `WEB_COMPUTE`

Required: No

[repository \(p. 103\)](#)

The name of the 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",
    "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",
"name": "string",
"platform": "string",
"productionBranch": {
  "branchName": "string",
  "lastDeployTime": number,
  "status": "string",
  "thumbnailUrl": "string"
},
"repository": "string",
"repositoryCloneMethod": "string",
"tags": {
  "string" : "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.

app (p. 107)

Represents the updated Amplify app.

Type: [App \(p. 124\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 156\)](#).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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
```

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

URI Request Parameters

The request uses the following URI parameters.

appId (p. 110)

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 (p. 110)

The name for 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.

backendEnvironmentArn (p. 110)

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: No

basicAuthCredentials (p. 110)

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 (p. 110)

The build specification (build spec) for the branch.

Type: String

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

Pattern: (?s) . +

Required: No

description (p. 110)

The description for the branch.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: (?s) . *

Required: No

displayName (p. 110)

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 (p. 110)

Enables auto building for the branch.

Type: Boolean

Required: No

enableBasicAuth (p. 110)

Enables basic authorization for the branch.

Type: Boolean

Required: No

enableNotification (p. 110)

Enables notifications for the branch.

Type: Boolean

Required: No

enablePerformanceMode (p. 110)

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 (p. 110)

Enables pull request previews for this branch.

Type: Boolean

Required: No

environmentVariables (p. 110)

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 (p. 110)

The framework for the branch.

Type: String

Length Constraints: Maximum length of 255.

Pattern: (?s) . *

Required: No

pullRequestEnvironmentName (p. 110)

The Amplify environment name for the pull request.

Type: String

Length Constraints: Maximum length of 20.

Pattern: (?s).*

Required: No

stage (p. 110)

Describes the current stage for the branch.

Type: String

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

Required: No

ttl (p. 110)

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" ],
    "backendEnvironmentArn": "string",
    "basicAuthCredentials": "string",
    "branchArn": "string",
    "branchName": "string",
    "buildSpec": "string",
    "createTime": number,
    "customDomains": [ "string" ],
    "description": "string",
    "destinationBranch": "string",
    "displayName": "string",
    "enableAutoBuild": boolean,
    "enableBasicAuth": boolean,
    "enableNotification": boolean,
    "enablePerformanceMode": boolean,
    "enablePullRequestPreview": 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 (p. 113)

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

Type: [Branch \(p. 135\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 156\)](#).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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,
  "enableAutoSubDomain": boolean,
  "subDomainSettings": [
    {
      "branchName": string,
      "prefix": string
    }
  ]
}
```

URI Request Parameters

The request uses the following URI parameters.

appId (p. 116)

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 (p. 116)

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 (p. 116)

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 (p. 116)

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

enableAutoSubDomain (p. 116)

Enables the automated creation of subdomains for branches.

Type: Boolean

Required: No

subDomainSettings (p. 116)

Describes the settings for the subdomain.

Type: Array of [SubDomainSetting](#) (p. 151) 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",
    "certificateVerificationDNSRecord": "string",
    "domainAssociationArn": "string",
    "domainName": "string",
    "domainStatus": "string",
    "enableAutoSubDomain": boolean,
    "statusReason": "string",
    "subDomains": [
      {
        "dnsRecord": "string",
        "subDomainSetting": {
          "branchName": "string",
          "prefix": "string"
        },
        "verified": boolean
      }
    ]
  }
}
```

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 (p. 117)

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

Type: [DomainAssociation](#) (p. 142) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 156).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 (p. 120)

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 (p. 120)

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 (p. 120)

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": {
    "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 (p. 121)

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

Type: [Webhook \(p. 152\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 156\)](#).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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](#) (p. 124)
- [Artifact](#) (p. 129)
- [AutoBranchCreationConfig](#) (p. 130)
- [BackendEnvironment](#) (p. 133)
- [Branch](#) (p. 135)
- [CustomRule](#) (p. 140)
- [DomainAssociation](#) (p. 142)
- [Job](#) (p. 144)
- [JobSummary](#) (p. 145)
- [ProductionBranch](#) (p. 147)
- [Step](#) (p. 148)
- [SubDomain](#) (p. 150)
- [SubDomainSetting](#) (p. 151)
- [Webhook](#) (p. 152)

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

autoBranchCreationConfig

Describes the automated branch creation configuration for the Amplify app.

Type: [AutoBranchCreationConfig \(p. 130\)](#) 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

createTime

Creates a date and time for the Amplify app.

Type: Timestamp

Required: Yes

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 \(p. 140\)](#) objects

Required: No

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

enableAutoBranchCreation

Enables automated branch creation for the Amplify app.

Type: Boolean

Required: No

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

enableBranchAutoDeletion

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

Type: Boolean

Required: No

environmentVariables

The environment variables for the 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

iamServiceRoleArn

The AWS Identity and Access Management (IAM) service role for the Amazon Resource Name (ARN) of the Amplify app.

Type: String

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

Pattern: (?s) . *

Required: No

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`.

Type: String

Valid Values: `WEB` | `WEB_DYNAMIC` | `WEB_COMPUTE`

Required: Yes

productionBranch

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

Type: [ProductionBranch \(p. 147\)](#) object

Required: No

repository

The Git repository for the Amplify app.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: `(?s).*`

Required: Yes

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

updateTime

Updates the date and time for the Amplify app.

Type: Timestamp

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 Go](#)
- [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 Go](#)
- [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 Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

BackendEnvironment

Describes the backend environment for an Amplify app.

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

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 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

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

updateTime

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

Type: Timestamp

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 Go](#)
- [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

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

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: 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

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

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

createTime

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

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

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

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

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 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

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

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

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

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

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

Type: Timestamp

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 Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

CustomRule

Describes a custom rewrite or redirect rule.

Contents

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

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

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

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

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 Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

DomainAssociation

Describes a domain association that associates a custom domain with an Amplify app.

Contents

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

certificateVerificationDNSRecord

The DNS record for certificate verification.

Type: String

Length Constraints: Maximum length of 1000.

Required: No

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 |
PENDING_DEPLOYMENT | FAILED | CREATING | REQUESTING_CERTIFICATE | UPDATING

Required: Yes

enableAutoSubDomain

Enables the automated creation of subdomains for branches.

Type: Boolean

Required: Yes

statusReason

The reason for the current status of the domain association.

Type: String

Length Constraints: Maximum length of 1000.

Required: Yes

subDomains

The subdomains for the domain association.

Type: Array of [SubDomain \(p. 150\)](#) objects

Array Members: Maximum number of 500 items.

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 Go](#)
- [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 \(p. 148\)](#) objects

Required: Yes

summary

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

Type: [JobSummary \(p. 145\)](#) 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 Go](#)
- [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

endTime

The end date and time for the job.

Type: Timestamp

Required: No

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. 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.

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: PENDING | PROVISIONING | RUNNING | FAILED | SUCCEED | CANCELLING
| CANCELLED

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 Go](#)
- [AWS SDK for Java V2](#)
- [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 Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Step

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

Contents

artifactsUrl

The URL to the 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

endTime

The end date and time of the execution step.

Type: Timestamp

Required: Yes

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

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: PENDING | PROVISIONING | RUNNING | FAILED | SUCCEED | CANCELLING
| CANCELLED

Required: Yes

statusReason

The reason for the current step status.

Type: String

Length Constraints: Maximum length of 1000.

Required: No

stepName

The name of the execution step.

Type: String

Length Constraints: Maximum length of 255.

Required: Yes

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 Go](#)
- [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 \(p. 151\)](#) 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 Go](#)
- [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 Go](#)
- [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

The create date and time for a webhook.

Type: Timestamp

Required: Yes

description

The description for a webhook.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: (?s) . *

Required: Yes

updateTime

Updates the date and time for a webhook.

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

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 Go](#)
- [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 [Signature Version 4 Signing Process](#) in the *Amazon Web Services General Reference*.

Action

The action to be performed.

Type: string

Required: Yes

Version

The API version that the request is written for, expressed in the format YYYY-MM-DD.

Type: string

Required: Yes

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 [Task 2: Create a String to Sign for Signature Version 4](#) in the *Amazon Web Services General Reference*.

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'THHMMSS'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 [Handling Dates in Signature Version 4](#) in the *Amazon Web Services General Reference*.

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 Security Token Service, go to [AWS Services That Work with IAM](#) in the *IAM User Guide*.

Condition: If you're using temporary security credentials from the AWS Security Token Service, 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 [Task 1: Create a Canonical Request For Signature Version 4](#) in the *Amazon Web Services General Reference*.

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: 400

IncompleteSignature

The request signature does not conform to AWS standards.

HTTP Status Code: 400

InternalFailure

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

HTTP Status Code: 500

InvalidAction

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

HTTP Status Code: 400

InvalidClientTokenId

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

HTTP Status Code: 403

InvalidParameterCombination

Parameters that must not be used together were used together.

HTTP Status Code: 400

InvalidParameterValue

An invalid or out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

InvalidQueryParameter

The AWS query string is malformed or does not adhere to AWS standards.

HTTP Status Code: 400

MalformedQueryString

The query string contains a syntax error.

HTTP Status Code: 404

MissingAction

The request is missing an action or a required parameter.

HTTP Status Code: 400

MissingAuthenticationToken

The request must contain either a valid (registered) AWS access key ID or X.509 certificate.

HTTP Status Code: 403

MissingParameter

A required parameter for the specified action is not supplied.

HTTP Status Code: 400

NotAuthorized

You do not have permission to perform this action.

HTTP Status Code: 400

OptInRequired

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

HTTP Status Code: 403

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

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

ValidationError

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

HTTP Status Code: 400