AWS CodeStar

API Reference

API Version 2017-04-19

aws

AWS CodeStar: API Reference

Table of Contents

Welcome

This is the API reference for AWS CodeStar. This reference provides descriptions of the operations and data types for the AWS CodeStar API along with usage examples.

You can use the AWS CodeStar API to work with:

Projects and their resources, by calling the following:

- `CreateProject`, which creates a project.
- `DeleteProject`, which deletes a project.
- `DescribeProject`, which lists the attributes of a project.
- `ListProjects`, which lists all projects associated with your AWS account.
- `ListResources`, which lists the resources associated with a project.
- `ListTagsForProject`, which lists the tags associated with a project.
- `TagProject`, which adds tags to a project.
- `UntagProject`, which removes tags from a project.
- `UpdateProject`, which updates the attributes of a project.

Teams and team members, by calling the following:

- `AssociateTeamMember`, which adds an IAM user to the team for a project.
- `DisassociateTeamMember`, which removes an IAM user from the team for a project.
- `ListTeamMembers`, which lists all the IAM users in the team for a project, including their roles and attributes.
- `UpdateTeamMember`, which updates a team member's attributes in a project.

Users, by calling the following:

- `CreateUserProfile`, which creates a user profile that contains data associated with the user across all projects.
- `DeleteUserProfile`, which deletes all user profile information across all projects.
- `DescribeUserProfile`, which describes the profile of a user.
- `ListUserProfiles`, which lists all user profiles.
- `UpdateUserProfile`, which updates the profile for a user.

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Actions

The following actions are supported:

AssociateTeamMember

Adds an IAM user to the team for an AWS CodeStar project.

Request Syntax

```
{
    "clientRequestToken": "string",
    "projectId": "string",
    "projectRole": "string",
    "remoteAccessAllowed": boolean,
    "userArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 80).

The request accepts the following data in JSON format.

clientRequestToken (p. 3)

A user- or system-generated token that identifies the entity that requested the team member association to the project. This token can be used to repeat the request.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `^[\w:/-]+$`

Required: No

projectId (p. 3)

The ID of the project to which you will add the IAM user.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 15.

Pattern: `^[a-z][a-z0-9-]+$`

Required: Yes

projectRole (p. 3)

The AWS CodeStar project role that will apply to this user. This role determines what actions a user can take in an AWS CodeStar project.

Type: String

Pattern: `^(Owner|Viewer|Contributor)$`

Required: Yes

remoteAccessAllowed (p. 3)

Whether the team member is allowed to use an SSH public/private key pair to remotely access project resources, for example Amazon EC2 instances.

Type: Boolean

Required: No

userArn (p. 3)

The Amazon Resource Name (ARN) for the IAM user you want to add to the AWS CodeStar project.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 95.

Pattern: `^arn:aws:iam::\d{12}:user(?:(\u002F)|(\u002F[\u0021-\u007E]+\u002F))[\w+=,.@-]+$`

Required: Yes

Response Syntax

```
{
    "clientRequestToken": "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.

clientRequestToken (p. 4)

The user- or system-generated token from the initial request that can be used to repeat the request.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `^[\w:/-]+$`

Errors

For information about the errors that are common to all actions, see Common Errors (p. 82).

ConcurrentModificationException

Another modification is being made. That modification must complete before you can make your change.

HTTP Status Code: 400

InvalidServiceRoleException

The service role is not valid.

HTTP Status Code: 400

LimitExceededException

A resource limit has been exceeded.

HTTP Status Code: 400

ProjectConfigurationException

Project configuration information is required but not specified.

HTTP Status Code: 400

ProjectNotFoundException

The specified AWS CodeStar project was not found.

HTTP Status Code: 400

TeamMemberAlreadyAssociatedException

The team member is already associated with a role in this project.

HTTP Status Code: 400

ValidationException

The specified input is either not valid, or it could not be validated.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of AssociateTeamMember.

Sample Request

```
POST / HTTP/1.1
Host: codestar.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 323
X-Amz-Target: CodeStar_20170419.AssociateTeamMember
X-Amz-Date: 20170328T215402Z
User-Agent: aws-cli/1.10.53 Python/2.7.9 Windows/8
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAI44QH8DHBEXAMPLE/20161201/us-east-1/
codestar/aws4_request, SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,
 Signature=8d9b5998EXAMPLE

{
    "Operation": "com.amazonaws.codestar#AssociateTeamMember",
    "Service": "com.amazonaws.codestar#CodeStarService",
    "Input": {
        "projectId": "my-first-projec",
        "projectRole": "Contributor",
        "remoteAccessAllowed": True,
        "userArn": "arn:aws:iam::111111111111:user/Jane_Doe",
    }
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 0728aaa8-EXAMPLE
```

```
Content-Type: application/x-amz-json-1.1
Content-Length: 2
Date: Tue, 28 March 2017 15:40:24 GMT

{}
```

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

CreateProject

Creates a project, including project resources. This action creates a project based on a submitted project request. A set of source code files and a toolchain template file can be included with the project request. If these are not provided, an empty project is created.

Request Syntax

```
{
    "clientRequestToken": "string",
    "description": "string",
    "id": "string",
    "name": "string",
    "sourceCode": [
        {
            "destination": {
                "codeCommit": {
                    "name": "string"
                },
                "gitHub": {
                    "description": "string",
                    "issuesEnabled": boolean,
                    "name": "string",
                    "owner": "string",
                    "privateRepository": boolean,
                    "token": "string",
                    "type": "string"
                }
            },
            "source": {
                "s3": {
                    "bucketKey": "string",
                    "bucketName": "string"
                }
            }
        }
    ],
    "tags": {
        "string" : "string"
    },
    "toolchain": {
        "roleArn": "string",
        "source": {
            "s3": {
                "bucketKey": "string",
                "bucketName": "string"
            }
        },
        "stackParameters": {
            "string" : "string"
        }
    }
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 80).

The request accepts the following data in JSON format.

clientRequestToken (p. 7)

A user- or system-generated token that identifies the entity that requested project creation. This token can be used to repeat the request.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `^[\w:/-]+$`

Required: No

description (p. 7)

The description of the project, if any.

Type: String

Length Constraints: Maximum length of 1024.

Pattern: `^$|^\S(.*\S)?$`

Required: No

id (p. 7)

The ID of the project to be created in AWS CodeStar.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 15.

Pattern: `^[a-z][a-z0-9-]+$`

Required: Yes

name (p. 7)

The display name for the project to be created in AWS CodeStar.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `^\S(.*\S)?$`

Required: Yes

sourceCode (p. 7)

A list of the Code objects submitted with the project request. If this parameter is specified, the request must also include the toolchain parameter.

Type: Array of Code (p. 65) objects

Required: No

tags (p. 7)

The tags created for the project.

Type: String to string map

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

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

Value Length Constraints: Maximum length of 256.

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

Required: No

toolchain (p. 7)

The name of the toolchain template file submitted with the project request. If this parameter is specified, the request must also include the sourceCode parameter.

Type: Toolchain (p. 76) object

Required: No

Response Syntax

```
{
    "arn": "string",
    "clientRequestToken": "string",
    "id": "string",
    "projectTemplateId": "string"
}
```

Response Elements

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

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

arn (p. 9)

The Amazon Resource Name (ARN) of the created project.

Type: String

Pattern: `^arn:aws[^:\s]*:codestar:[^:\s]+:[0-9]{12}:project\/[a-z]([a-z0-9|-])+$`

clientRequestToken (p. 9)

A user- or system-generated token that identifies the entity that requested project creation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `^[\w:/-]+$`

id (p. 9)

The ID of the project.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 15.

Pattern: `^[a-z][a-z0-9-]+$`

projectTemplateId (p. 9)

The ID for the AWS CodeStar project template used to create the project.

Type: String

Length Constraints: Minimum length of 1.

Pattern: `^arn:aws[^:\s]{0,5}:codestar:[^:\s]+::project-template(\/(github|codecommit))?\/[a-z0-9-]+$`

Errors

For information about the errors that are common to all actions, see Common Errors (p. 82).

ConcurrentModificationException

Another modification is being made. That modification must complete before you can make your change.

HTTP Status Code: 400

InvalidServiceRoleException

The service role is not valid.

HTTP Status Code: 400

LimitExceededException

A resource limit has been exceeded.

HTTP Status Code: 400

ProjectAlreadyExistsException

An AWS CodeStar project with the same ID already exists in this region for the AWS account. AWS CodeStar project IDs must be unique within a region for the AWS account.

HTTP Status Code: 400

ProjectConfigurationException

Project configuration information is required but not specified.

HTTP Status Code: 400

ProjectCreationFailedException

The project creation request was valid, but a nonspecific exception or error occurred during project creation. The project could not be created in AWS CodeStar.

HTTP Status Code: 400

ValidationException

The specified input is either not valid, or it could not be validated.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- 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

CreateUserProfile

Creates a profile for a user that includes user preferences, such as the display name and email address assocciated with the user, in AWS CodeStar. The user profile is not project-specific. Information in the user profile is displayed wherever the user's information appears to other users in AWS CodeStar.

Request Syntax

```
{
    "displayName": "string",
    "emailAddress": "string",
    "sshPublicKey": "string",
    "userArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 80).

The request accepts the following data in JSON format.

displayName (p. 12)

The name that will be displayed as the friendly name for the user in AWS CodeStar.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^\S(.*\S)?$`

Required: Yes

emailAddress (p. 12)

The email address that will be displayed as part of the user's profile in AWS CodeStar.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 128.

Pattern: `^[\w-.+]+@[\w-.+]+$`

Required: Yes

sshPublicKey (p. 12)

The SSH public key associated with the user in AWS CodeStar. If a project owner allows the user remote access to project resources, this public key will be used along with the user's private key for SSH access.

Type: String

Length Constraints: Maximum length of 16384.

Pattern: `^[\t\r\n\u0020-\u00FF]*$`

Required: No

userArn (p. 12)

> The Amazon Resource Name (ARN) of the user in IAM.
>
> Type: String
>
> Length Constraints: Minimum length of 32. Maximum length of 95.
>
> Pattern: `^arn:aws:iam::\d{12}:user(?:(\u002F)|(\u002F[\u0021-\u007E]+\u002F))[\w+=,.@-]+$`
>
> Required: Yes

Response Syntax

```
{
   "createdTimestamp": number,
   "displayName": "string",
   "emailAddress": "string",
   "lastModifiedTimestamp": number,
   "sshPublicKey": "string",
   "userArn": "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.

createdTimestamp (p. 13)

> The date the user profile was created, in timestamp format.
>
> Type: Timestamp

displayName (p. 13)

> The name that is displayed as the friendly name for the user in AWS CodeStar.
>
> Type: String
>
> Length Constraints: Minimum length of 1. Maximum length of 64.
>
> Pattern: `^\S(.*\S)?$`

emailAddress (p. 13)

> The email address that is displayed as part of the user's profile in AWS CodeStar.
>
> Type: String
>
> Length Constraints: Minimum length of 3. Maximum length of 128.
>
> Pattern: `^[\w-.+]+@[\w-.+]+$`

lastModifiedTimestamp (p. 13)

> The date the user profile was last modified, in timestamp format.
>
> Type: Timestamp

sshPublicKey (p. 13)

The SSH public key associated with the user in AWS CodeStar. This is the public portion of the public/private keypair the user can use to access project resources if a project owner allows the user remote access to those resources.

Type: String

Length Constraints: Maximum length of 16384.

Pattern: `^[\t\r\n\u0020-\u00FF]*$`

userArn (p. 13)

The Amazon Resource Name (ARN) of the user in IAM.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 95.

Pattern: `^arn:aws:iam::\d{12}:user(?:(\u002F)|(\u002F[\u0021-\u007E]+\u002F))[\w+=,.@-]+$`

Errors

For information about the errors that are common to all actions, see Common Errors (p. 82).

UserProfileAlreadyExistsException

A user profile with that name already exists in this region for the AWS account. AWS CodeStar user profile names must be unique within a region for the AWS account.

HTTP Status Code: 400

ValidationException

The specified input is either not valid, or it could not be validated.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of CreateUserProfile.

Sample Request

```
POST / HTTP/1.1
Host: codestar.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 1019
X-Amz-Target: CodeStar_20170419.CreateUserProfile
X-Amz-Date: 20170406T004805Z
User-Agent: aws-cli/1.11.36 Python/2.7.9 Windows/7 botocore/1.4.93
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AIDACKCEVSQ6C2EXAMPLE/20170406/us-east-1/
codestar/aws4_request, SignedHeaders=content-type;host;x-amz-date;x-amz-target,
 Signature=c25ddcd5EXAMPLE
```

```
{
  "emailAddress": "jane.doe@example.com",
  "sshPublicKey": "EXAMPLE=",
  "displayName": "Jane Doe",
  "userArn": "arn:aws:iam::111111111111:user/Jane_Doe"
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: b34f8665-EXAMPLE
Content-Type: application/x-amz-json-1.1
Content-Length: 1089
Date: Thu, 06 Apr 2017 00:48:07 GMT

{
 "createdTimestamp":1.491439687681E9,"
 displayName":"Jane Doe",
 "emailAddress":"jane.doe@example.com",
 "lastModifiedTimestamp":1.491439687681E9,
 "sshPublicKey":"EXAMPLE=","userArn":"arn:aws:iam::111111111111:user/Jane_Doe"
}
```

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

DeleteProject

Deletes a project, including project resources. Does not delete users associated with the project, but does delete the IAM roles that allowed access to the project.

Request Syntax

```
{
    "clientRequestToken": "string",
    "deleteStack": boolean,
    "id": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 80).

The request accepts the following data in JSON format.

clientRequestToken (p. 16)

A user- or system-generated token that identifies the entity that requested project deletion. This token can be used to repeat the request.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `^[\w:/-]+$`

Required: No

deleteStack (p. 16)

Whether to send a delete request for the primary stack in AWS CloudFormation originally used to generate the project and its resources. This option will delete all AWS resources for the project (except for any buckets in Amazon S3) as well as deleting the project itself. Recommended for most use cases.

Type: Boolean

Required: No

id (p. 16)

The ID of the project to be deleted in AWS CodeStar.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 15.

Pattern: `^[a-z][a-z0-9-]+$`

Required: Yes

Response Syntax

```
{
```

```
    "projectArn": "string",
    "stackId": "string"
}
```

Response Elements

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

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

projectArn (p. 16)

The Amazon Resource Name (ARN) of the deleted project.

Type: String

Pattern: `^arn:aws[^:\s]*:codestar:[^:\s]+:[0-9]{12}:project\/[a-z]([a-z0-9|-])+$`

stackId (p. 16)

The ID of the primary stack in AWS CloudFormation that will be deleted as part of deleting the project and its resources.

Type: String

Pattern: `^arn:aws[^:\s]*:cloudformation:[^:\s]+:[0-9]{12}:stack\/[^:\s]+\/[^:\s]+$`

Errors

For information about the errors that are common to all actions, see Common Errors (p. 82).

ConcurrentModificationException

Another modification is being made. That modification must complete before you can make your change.

HTTP Status Code: 400

InvalidServiceRoleException

The service role is not valid.

HTTP Status Code: 400

ValidationException

The specified input is either not valid, or it could not be validated.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of DeleteProject.

Sample Request

```
POST / HTTP/1.1
Host: codestar.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 24
X-Amz-Target: CodeStar_20170419.DeleteProject
X-Amz-Date: 20170405T235449Z
User-Agent: aws-cli/1.11.36 Python/2.7.9 Windows/7 botocore/1.4.93
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AIDACKCEVSQ6C2EXAMPLE/20170405/us-east-1/
codestar/aws4_request, SignedHeaders=content-type;host;x-amz-date;x-amz-target,
 Signature=c25ddcd5EXAMPLE

{"id": "my-2nd-project"}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 41efcceb-EXAMPLE
Content-Type: application/x-amz-json-1.1
Content-Length: 79
Date: Wed, 05 Apr 2017 23:54:51 GMT

{"projectArn":"arn:aws:codestar:us-east-1:111111111111:project/my-2nd-project"}
```

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

DeleteUserProfile

Deletes a user profile in AWS CodeStar, including all personal preference data associated with that profile, such as display name and email address. It does not delete the history of that user, for example the history of commits made by that user.

Request Syntax

```
{
    "userArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 80).

The request accepts the following data in JSON format.

userArn (p. 19)

The Amazon Resource Name (ARN) of the user to delete from AWS CodeStar.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 95.

Pattern: ^arn:aws:iam::\d{12}:user(?:(\u002F)|(\u002F[\u0021-\u007E]+\u002F)) [\w+=,.@-]+$

Required: Yes

Response Syntax

```
{
    "userArn": "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.

userArn (p. 19)

The Amazon Resource Name (ARN) of the user deleted from AWS CodeStar.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 95.

Pattern: ^arn:aws:iam::\d{12}:user(?:(\u002F)|(\u002F[\u0021-\u007E]+\u002F)) [\w+=,.@-]+$

Errors

For information about the errors that are common to all actions, see Common Errors (p. 82).

ValidationException

The specified input is either not valid, or it could not be validated.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of DeleteUserProfile.

Sample Request

```
POST / HTTP/1.1
Host: codestar.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 54
X-Amz-Target: CodeStar_20170419.DeleteUserProfile
X-Amz-Date: 20170406T014701Z
User-Agent: aws-cli/1.11.36 Python/2.7.9 Windows/7 botocore/1.4.93
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AIDACKCEVSQ6C2EXAMPLE/20170406/us-east-1/
codestar/aws4_request, SignedHeaders=content-type;host;x-amz-date;x-amz-target,
 Signature=c25ddcd5EXAMPLE

{"userArn": "arn:aws:iam::111111111111:user/DemoUser"}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: ef0e59a1-EXAMPLE
Content-Type: application/x-amz-json-1.1
Content-Length: 53
Date: Thu, 06 Apr 2017 01:47:03 GMT

{"userArn":"arn:aws:iam::111111111111:user/DemoUser"}
```

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

DescribeProject

Describes a project and its resources.

Request Syntax

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 80).

The request accepts the following data in JSON format.

id (p. 22)

The ID of the project.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 15.

Pattern: ^[a-z][a-z0-9-]+$

Required: Yes

Response Syntax

```
{
    "arn": "string",
    "clientRequestToken": "string",
    "createdTimeStamp": number,
    "description": "string",
    "id": "string",
    "name": "string",
    "projectTemplateId": "string",
    "stackId": "string",
    "status": {
        "reason": "string",
        "state": "string"
    }
}
```

Response Elements

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

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

arn (p. 22)

The Amazon Resource Name (ARN) for the project.

Type: String

Pattern: `^arn:aws[^:\s]*:codestar:[^:\s]+:[0-9]{12}:project\/[a-z]([a-z0-9|-])+$`

clientRequestToken (p. 22)

A user- or system-generated token that identifies the entity that requested project creation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `^[\w:/-]+$`

createdTimeStamp (p. 22)

The date and time the project was created, in timestamp format.

Type: Timestamp

description (p. 22)

The description of the project, if any.

Type: String

Length Constraints: Maximum length of 1024.

Pattern: `^$|^\S(.*\S)?$`

id (p. 22)

The ID of the project.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 15.

Pattern: `^[a-z][a-z0-9-]+$`

name (p. 22)

The display name for the project.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `^\S(.*\S)?$`

projectTemplateId (p. 22)

The ID for the AWS CodeStar project template used to create the project.

Type: String

Length Constraints: Minimum length of 1.

Pattern: `^arn:aws[^:\s]{0,5}:codestar:[^:\s]+::project-template(\/(github|codecommit))?\/[a-z0-9-]+$`

stackId (p. 22)

The ID of the primary stack in AWS CloudFormation used to generate resources for the project.

Type: String

Pattern: `^arn:aws[^:\s]*:cloudformation:[^:\s]+:[0-9]{12}:stack\/[^:\s]+\/[^:\s]+$`

status (p. 22)

The project creation or deletion status.

Type: ProjectStatus (p. 71) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 82).

ConcurrentModificationException

Another modification is being made. That modification must complete before you can make your change.

HTTP Status Code: 400

InvalidServiceRoleException

The service role is not valid.

HTTP Status Code: 400

ProjectConfigurationException

Project configuration information is required but not specified.

HTTP Status Code: 400

ProjectNotFoundException

The specified AWS CodeStar project was not found.

HTTP Status Code: 400

ValidationException

The specified input is either not valid, or it could not be validated.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of DescribeProject.

Sample Request

```
POST / HTTP/1.1
Host: codestar.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 25
X-Amz-Target: CodeStar_20170419.DescribeProject
X-Amz-Date: 20170406T002601Z
User-Agent: aws-cli/1.11.36 Python/2.7.9 Windows/7 botocore/1.4.93
Content-Type: application/x-amz-json-1.1
```

```
Authorization: AWS4-HMAC-SHA256 Credential=AIDACKCEVSQ6C2EXAMPLE/20170406/us-east-1/
codestar/aws4_request, SignedHeaders=content-type;host;x-amz-date;x-amz-target,
 Signature=c25ddcd5EXAMPLE

{"id": "my-first-projec"}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 9e16d048-EXAMPLE
Content-Type: application/x-amz-json-1.1
Content-Length: 409
Date: Thu, 06 Apr 2017 00:26:03 GMT

{
 "arn":"arn:aws:codestar:us-east-1:111111111111:project/my-first-projec",
 "createdTimeStamp":1.491000495561E9,
 "description":"AWS CodeStar created project",
 "id":"my-first-projec","name":"My First Project",
 "projectTemplateId":"arn:aws:codestar:us-east-1::project-template/webapp-nodeweb-ec2",
 "stackId":"arn:aws:cloudformation:us-east-1:111111111111:stack/awscodestar-my-first-
projec/01234567-EXAMPLE"
}
```

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

DescribeUserProfile

Describes a user in AWS CodeStar and the user attributes across all projects.

Request Syntax

```
{
    "userArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 80).

The request accepts the following data in JSON format.

userArn (p. 26)

> The Amazon Resource Name (ARN) of the user.
>
> Type: String
>
> Length Constraints: Minimum length of 32. Maximum length of 95.
>
> Pattern: ^arn:aws:iam::\d{12}:user(?:(\u002F)|(\u002F[\u0021-\u007E]+\u002F))[\w+=,.@-]+$
>
> Required: Yes

Response Syntax

```
{
    "createdTimestamp": number,
    "displayName": "string",
    "emailAddress": "string",
    "lastModifiedTimestamp": number,
    "sshPublicKey": "string",
    "userArn": "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.

createdTimestamp (p. 26)

> The date and time when the user profile was created in AWS CodeStar, in timestamp format.
>
> Type: Timestamp

displayName (p. 26)

> The display name shown for the user in AWS CodeStar projects. For example, this could be set to both first and last name ("Mary Major") or a single name ("Mary"). The display name is also used to

generate the initial icon associated with the user in AWS CodeStar projects. If spaces are included in the display name, the first character that appears after the space will be used as the second character in the user initial icon. The initial icon displays a maximum of two characters, so a display name with more than one space (for example "Mary Jane Major") would generate an initial icon using the first character and the first character after the space ("MJ", not "MM").

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^\S(.*\S)?$`

emailAddress (p. 26)

The email address for the user. Optional.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 128.

Pattern: `^[\w-.+]+@[\w-.+]+$`

lastModifiedTimestamp (p. 26)

The date and time when the user profile was last modified, in timestamp format.

Type: Timestamp

sshPublicKey (p. 26)

The SSH public key associated with the user. This SSH public key is associated with the user profile, and can be used in conjunction with the associated private key for access to project resources, such as Amazon EC2 instances, if a project owner grants remote access to those resources.

Type: String

Length Constraints: Maximum length of 16384.

Pattern: `^[\t\r\n\u0020-\u00FF]*$`

userArn (p. 26)

The Amazon Resource Name (ARN) of the user.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 95.

Pattern: `^arn:aws:iam::\d{12}:user(?:(\u002F)|(\u002F[\u0021-\u007E]+\u002F))[\w+=,.@-]+$`

Errors

For information about the errors that are common to all actions, see Common Errors (p. 82).

UserProfileNotFoundException

The user profile was not found.

HTTP Status Code: 400

ValidationException

The specified input is either not valid, or it could not be validated.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of DescribeUserProfile.

Sample Request

```
POST / HTTP/1.1
Host: codestar.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 55
X-Amz-Target: CodeStar_20170419.DescribeUserProfile
X-Amz-Date: 20170406T013327Z
User-Agent: aws-cli/1.11.36 Python/2.7.9 Windows/7 botocore/1.4.93
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AIDACKCEVSQ6C2EXAMPLE/20170406/us-east-1/
codestar/aws4_request, SignedHeaders=content-type;host;x-amz-date;x-amz-target,
 Signature=c25ddcd5EXAMPLE

{"userArn": "arn:aws:iam::111111111111:user/Mary_Major"}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 0a095029-EXAMPLE
Content-Type: application/x-amz-json-1.1
Content-Length: 216
Date: Thu, 06 Apr 2017 01:33:30 GMT

{
 "createdTimestamp":1.490634364532E9,
 "displayName":"Mary Major",
 "emailAddress":"mary.major@example.com",
 "lastModifiedTimestamp":1.491001935261E9,
 "sshPublicKey":"",
 "userArn":"arn:aws:iam::111111111111:user/Mary_Major"
}
```

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

DisassociateTeamMember

Removes a user from a project. Removing a user from a project also removes the IAM policies from that user that allowed access to the project and its resources. Disassociating a team member does not remove that user's profile from AWS CodeStar. It does not remove the user from IAM.

Request Syntax

```
{
    "projectId": "string",
    "userArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 80).

The request accepts the following data in JSON format.

projectId (p. 30)

The ID of the AWS CodeStar project from which you want to remove a team member.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 15.

Pattern: `^[a-z][a-z0-9-]+$`

Required: Yes

userArn (p. 30)

The Amazon Resource Name (ARN) of the IAM user or group whom you want to remove from the project.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 95.

Pattern: `^arn:aws:iam::\d{12}:user(?:(\u002F)|(\u002F[\u0021-\u007E]+\u002F))[\w+=,.@-]+$`

Required: Yes

Response Elements

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

Errors

For information about the errors that are common to all actions, see Common Errors (p. 82).

ConcurrentModificationException

Another modification is being made. That modification must complete before you can make your change.

HTTP Status Code: 400

InvalidServiceRoleException

The service role is not valid.

HTTP Status Code: 400

ProjectNotFoundException

The specified AWS CodeStar project was not found.

HTTP Status Code: 400

ValidationException

The specified input is either not valid, or it could not be validated.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of DisassociateTeamMember.

Sample Request

```
POST / HTTP/1.1
Host: codestar.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 93
X-Amz-Target: CodeStar_20170419.DisassociateTeamMember
X-Amz-Date: 20170406T015504Z
User-Agent: aws-cli/1.11.36 Python/2.7.9 Windows/7 botocore/1.4.93
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AIDACKCEVSQ6C2EXAMPLE/20170406/us-east-1/
codestar/aws4_request, SignedHeaders=content-type;host;x-amz-date;x-amz-target,
 Signature=c25ddcd5EXAMPLE

{"projectId": "my-first-projec", "userArn": "arn:aws:iam::111111111111:user/John_Stiles"}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 0f2bfaf1-EXAMPLE
Content-Type: application/x-amz-json-1.1
Content-Length: 2
Date: Thu, 06 Apr 2017 01:55:07 GMT

{}
```

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

ListProjects

Lists all projects in AWS CodeStar associated with your AWS account.

Request Syntax

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 80).

The request accepts the following data in JSON format.

maxResults (p. 33)

The maximum amount of data that can be contained in a single set of results.

Type: Integer

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

Required: No

nextToken (p. 33)

The continuation token to be used to return the next set of results, if the results cannot be returned in one response.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: ^[\w/+=]+$

Required: No

Response Syntax

```
{
    "nextToken": "string",
    "projects": [
        {
            "projectArn": "string",
            "projectId": "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. 33)

The continuation token to use when requesting the next set of results, if there are more results to be returned.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: ^[\w/+=]+$

projects (p. 33)

A list of projects.

Type: Array of ProjectSummary (p. 72) objects

Errors

For information about the errors that are common to all actions, see Common Errors (p. 82).

InvalidNextTokenException

The next token is not valid.

HTTP Status Code: 400

ValidationException

The specified input is either not valid, or it could not be validated.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of ListProjects.

Sample Request

```
POST / HTTP/1.1
Host: codestar.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 2
X-Amz-Target: CodeStar_20170419.ListProjects
X-Amz-Date: 20170405T221321Z
User-Agent: aws-cli/1.11.36 Python/2.7.9 Windows/7 botocore/1.4.93
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AIDACKCEVSQ6C2EXAMPLE/20170405/us-east-1/
codestar/aws4_request, SignedHeaders=content-type;host;x-amz-date;x-amz-target,
 Signature=c25ddcd5EXAMPLE

{}
```

Sample Response

```
HTTP/1.1 200 OK
```

```
x-amzn-RequestId: 15f549f8-EXAMPLE
Content-Type: application/x-amz-json-1.1
Content-Length: 343
Date: Wed, 05 Apr 2017 22:13:24 GMT

{"projects":
 [
  {
    "projectArn":"arn:aws:codestar:us-east-1:111111111111:project/my-2nd-project",
    "projectId":"my-2nd-project"
  },
  {
    "projectArn":"arn:aws:codestar:us-east-1:111111111111:project/my-first-projec",
    "projectId":"my-first-projec"
  }
 ]
}
```

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

ListResources

Lists resources associated with a project in AWS CodeStar.

Request Syntax

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 80).

The request accepts the following data in JSON format.

maxResults (p. 36)

The maximum amount of data that can be contained in a single set of results.

Type: Integer

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

Required: No

nextToken (p. 36)

The continuation token for the next set of results, if the results cannot be returned in one response.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: ^[\w/+=]+$

Required: No

projectId (p. 36)

The ID of the project.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 15.

Pattern: ^[a-z][a-z0-9-]+$

Required: Yes

Response Syntax

```
{
```

```
    "nextToken": "string",
    "resources": [
        {
            "id": "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. 36)

The continuation token to use when requesting the next set of results, if there are more results to be returned.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^[\w/+=]+$`

resources (p. 36)

An array of resources associated with the project.

Type: Array of Resource (p. 73) objects

Errors

For information about the errors that are common to all actions, see Common Errors (p. 82).

InvalidNextTokenException

The next token is not valid.

HTTP Status Code: 400

ProjectNotFoundException

The specified AWS CodeStar project was not found.

HTTP Status Code: 400

ValidationException

The specified input is either not valid, or it could not be validated.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of ListResources.

Sample Request

```
POST / HTTP/1.1
Host: codestar.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 32
X-Amz-Target: CodeStar_20170419.ListResources
X-Amz-Date: 20170405T223505Z
User-Agent: aws-cli/1.11.36 Python/2.7.9 Windows/7 botocore/1.4.93
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AIDACKCEVSQ6C2EXAMPLE/20170405/us-east-1/
codestar/aws4_request, SignedHeaders=content-type;host;x-amz-date;x-amz-target,
 Signature=c25ddcd5EXAMPLE

{"projectId": "my-first-projec"}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 1e80e90d-EXAMPLE
Content-Type: application/x-amz-json-1.1
Content-Length: 998
Date: Wed, 05 Apr 2017 22:35:07 GMT

{"resources":[
 {"id":"arn:aws:codedeploy:us-east-1:111111111111:application:my-first-projec"},
 {"id":"arn:aws:codecommit:us-east-1:111111111111:my-first-projec"},
 {"id":"arn:aws:ec2:us-east-1:111111111111:security-group/sg-EXAMPLE1"},
 {"id":"arn:aws:iam::111111111111:role/CodeStarWorker-my-first-projec-CodeDeploy"},
 {"id":"arn:aws:iam::111111111111:role/CodeStarWorker-my-first-projec-WebApp"},
 {"id":"arn:aws:s3:::codepipeline-my-first-projec-us-east-1-111111111111"},
 {"id":"arn:aws:iam::111111111111:role/CodeStarWorker-my-first-projec-CodePipeline"},
 {"id":"arn:aws:codedeploy:us-east-1:111111111111:deploymentgroup:my-first-projec/my-first-
projec-Env"},
 {"id":"arn:aws:codepipeline:us-east-1:111111111111:my-first-projec-Pipeline"},
 {"id":"arn:aws:cloudformation:us-east-1:111111111111:stack/awscodestar-my-first-
projec/01234567-EXAMPLE"},
 {"id":"arn:aws:ec2:us-east-1:111111111111:instance/i-012345abcEXAMPLE"}
 ]
}
```

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

ListTagsForProject

Gets the tags for a project.

Request Syntax

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 80).

The request accepts the following data in JSON format.

id (p. 39)

The ID of the project to get tags for.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 15.

Pattern: `^[a-z][a-z0-9-]+$`

Required: Yes

maxResults (p. 39)

Reserved for future use.

Type: Integer

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

Required: No

nextToken (p. 39)

Reserved for future use.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^[\w/+=]+$`

Required: No

Response Syntax

```
{
    "nextToken": "string",
    "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.

nextToken (p. 39)

>   Reserved for future use.

>   Type: String

>   Length Constraints: Minimum length of 1. Maximum length of 1024.

>   Pattern: `^[\w/+=]+$`

tags (p. 39)

>   The tags for the project.

>   Type: String to string map

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

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

>   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. 82).

InvalidNextTokenException

>   The next token is not valid.

>   HTTP Status Code: 400

ProjectNotFoundException

>   The specified AWS CodeStar project was not found.

>   HTTP Status Code: 400

ValidationException

>   The specified input is either not valid, or it could not be validated.

>   HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- 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

ListTeamMembers

Lists all team members associated with a project.

Request Syntax

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 80).

The request accepts the following data in JSON format.

maxResults (p. 42)

The maximum number of team members you want returned in a response.

Type: Integer

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

Required: No

nextToken (p. 42)

The continuation token for the next set of results, if the results cannot be returned in one response.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: ^[\w/+=]+$

Required: No

projectId (p. 42)

The ID of the project for which you want to list team members.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 15.

Pattern: ^[a-z][a-z0-9-]+$

Required: Yes

Response Syntax

```
{
    "nextToken": "string",
```

```
    "teamMembers": [
        {
            "projectRole": "string",
            "remoteAccessAllowed": boolean,
            "userArn": "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. 42)

The continuation token to use when requesting the next set of results, if there are more results to be returned.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: ^[\w/+=]+$

teamMembers (p. 42)

A list of team member objects for the project.

Type: Array of TeamMember (p. 75) objects

Errors

For information about the errors that are common to all actions, see Common Errors (p. 82).

InvalidNextTokenException

The next token is not valid.

HTTP Status Code: 400

ProjectNotFoundException

The specified AWS CodeStar project was not found.

HTTP Status Code: 400

ValidationException

The specified input is either not valid, or it could not be validated.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of ListTeamMembers.

Sample Request

```
POST / HTTP/1.1
Host codestar.us-east-1.amazonaws.com
Accept-Encoding identity
Content-Length 32
X-Amz-Target CodeStar_20170419.ListTeamMembers
X-Amz-Date 20170405T221259Z
User-Agent aws-cli/1.11.36 Python/2.7.9 Windows/7 botocore/1.4.93
Content-Type application/x-amz-json-1.1
Authorization AWS4-HMAC-SHA256 Credential=AIDACKCEVSQ6C2EXAMPLE/20170405/us-east-1/
codestar/aws4_request, SignedHeaders=content-type;host;x-amz-date;x-amz-target,
 Signature=c25ddcd5EXAMPLE


{
    "projectId": "my-first-projec"
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 0876d969-EXAMPLE
Content-Type: application/x-amz-json-1.1
Content-Length: 121
Date: Wed, 05 Apr 2017 22:13:01 GMT

{"teamMembers":[

 {"projectRole":"Owner","remoteAccessAllowed":true,"userArn":"arn:aws:iam::111111111111:user/
Mary_Major"},

 {"projectRole":"Contributor","remoteAccessAllowed":true,"userArn":"arn:aws:iam::111111111111:user/
Jane_Doe"},

 {"projectRole":"Contributor","remoteAccessAllowed":true,"userArn":"arn:aws:iam::111111111111:user/
John_Doe"},

 {"projectRole":"Viewer","remoteAccessAllowed":false,"userArn":"arn:aws:iam::111111111111:user/
John_Stiles"}
 ]
}
```

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

ListUserProfiles

Lists all the user profiles configured for your AWS account in AWS CodeStar.

Request Syntax

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 80).

The request accepts the following data in JSON format.

maxResults (p. 45)

The maximum number of results to return in a response.

Type: Integer

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

Required: No

nextToken (p. 45)

The continuation token for the next set of results, if the results cannot be returned in one response.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: ^[\w/+=]+$

Required: No

Response Syntax

```
{
    "nextToken": "string",
    "userProfiles": [
        {
            "displayName": "string",
            "emailAddress": "string",
            "sshPublicKey": "string",
            "userArn": "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. 45)

The continuation token to use when requesting the next set of results, if there are more results to be returned.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^[\w/+=]+$`

userProfiles (p. 45)

All the user profiles configured in AWS CodeStar for an AWS account.

Type: Array of UserProfileSummary (p. 78) objects

Errors

For information about the errors that are common to all actions, see Common Errors (p. 82).

InvalidNextTokenException

The next token is not valid.

HTTP Status Code: 400

ValidationException

The specified input is either not valid, or it could not be validated.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of ListUserProfiles.

Sample Request

```
POST / HTTP/1.1
Host: codestar.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 2
X-Amz-Target: CodeStar_20170419.ListUserProfiles
X-Amz-Date: 20170406T011822Z
User-Agent: aws-cli/1.11.36 Python/2.7.9 Windows/7 botocore/1.4.93
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AIDACKCEVSQ6C2EXAMPLE/20170406/us-east-1/
codestar/aws4_request, SignedHeaders=content-type;host;x-amz-date;x-amz-target,
 Signature=c25ddcd5EXAMPLE

{}
```

Sample Response

```
HTTP/1.1 200 OK
```

```
x-amzn-RequestId: ee7b652d-EXAMPLE
Content-Type: application/x-amz-json-1.1
Content-Length: 1473
Date: Thu, 06 Apr 2017 01:18:24 GMT

{
  "userProfiles":[
    {
     "displayName":"Jane Doe",
     "emailAddress":"jane.doe@example.com",
     "sshPublicKey":"EXAMPLE1",
     "userArn":"arn:aws:iam::111111111111:user/Jane_Doe"
    },
    {
     "displayName":"John Doe",
     "emailAddress":"john.doe@example.com",
     "sshPublicKey":"EXAMPLE2",
     "userArn":"arn:aws:iam::111111111111:user/John_Doe"
    },
    {
     "displayName":"Mary Major",
     "emailAddress":"mary.major@example.com",
     "sshPublicKey":"EXAMPLE=",
     "userArn":"arn:aws:iam::111111111111:user/Mary_Major"
    },
    {
     "displayName":"John Stiles",
     "emailAddress":"john.stiles@example.com",
     "sshPublicKey":"",
     "userArn":"arn:aws:iam::111111111111:user/John_Stiles"
    }
  ]
}
```

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

TagProject

Adds tags to a project.

Request Syntax

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 80).

The request accepts the following data in JSON format.

id (p. 48)

The ID of the project you want to add a tag to.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 15.

Pattern: `^[a-z][a-z0-9-]+$`

Required: Yes

tags (p. 48)

The tags you want to add to the project.

Type: String to string map

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

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

Value Length Constraints: Maximum length of 256.

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

Required: Yes

Response Syntax

```
{
    "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. 48)

>   The tags for the project.
>
>   Type: String to string map
>
>   Key Length Constraints: Minimum length of 1. Maximum length of 128.
>
>   Key Pattern: `^([\p{L}\p{Z}\p{N}_.:/=+\-@]*)$`
>
>   Value Length Constraints: Maximum length of 256.
>
>   Value Pattern: `^([\p{L}\p{Z}\p{N}_.:/=+\-@]*)$`

Errors

For information about the errors that are common to all actions, see Common Errors (p. 82).

ConcurrentModificationException

>   Another modification is being made. That modification must complete before you can make your change.
>
>   HTTP Status Code: 400

LimitExceededException

>   A resource limit has been exceeded.
>
>   HTTP Status Code: 400

ProjectNotFoundException

>   The specified AWS CodeStar project was not found.
>
>   HTTP Status Code: 400

ValidationException

>   The specified input is either not valid, or it could not be validated.
>
>   HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- 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

UntagProject

Removes tags from a project.

Request Syntax

```
{
   "id": "string",
   "tags": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common
Parameters (p. 80).

The request accepts the following data in JSON format.

id (p. 51)

The ID of the project to remove tags from.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 15.

Pattern: `^[a-z][a-z0-9-]+$`

Required: Yes

tags (p. 51)

The tags to remove from the project.

Type: Array of strings

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

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

Required: Yes

Response Elements

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

Errors

For information about the errors that are common to all actions, see Common Errors (p. 82).

ConcurrentModificationException

Another modification is being made. That modification must complete before you can make your
change.

HTTP Status Code: 400

LimitExceededException

A resource limit has been exceeded.

HTTP Status Code: 400

ProjectNotFoundException

The specified AWS CodeStar project was not found.

HTTP Status Code: 400

ValidationException

The specified input is either not valid, or it could not be validated.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- 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

UpdateProject

Updates a project in AWS CodeStar.

Request Syntax

```
{
    "description": "string",
    "id": "string",
    "name": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 80).

The request accepts the following data in JSON format.

description (p. 53)

The description of the project, if any.

Type: String

Length Constraints: Maximum length of 1024.

Pattern: ^$|^\S(.*\S)?$

Required: No

id (p. 53)

The ID of the project you want to update.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 15.

Pattern: ^[a-z][a-z0-9-]+$

Required: Yes

name (p. 53)

The name of the project you want to update.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: ^\S(.*\S)?$

Required: No

Response Elements

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

Errors

For information about the errors that are common to all actions, see Common Errors (p. 82).

ProjectNotFoundException

The specified AWS CodeStar project was not found.

HTTP Status Code: 400

ValidationException

The specified input is either not valid, or it could not be validated.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of UpdateProject.

Sample Request

```
POST / HTTP/1.1
Host: codestar.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 88
X-Amz-Target: CodeStar_20170419.UpdateProject
X-Amz-Date: 20170406T003323Z
User-Agent: aws-cli/1.11.36 Python/2.7.9 Windows/7 botocore/1.4.93
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AIDACKCEVSQ6C2EXAMPLE/20170406/us-east-1/
codestar/aws4_request, SignedHeaders=content-type;host;x-amz-date;x-amz-target,
 Signature=c25ddcd5EXAMPLE

{"id": "my-first-projec", "description": "Updating the project by adding a description"}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: a5afbdc6-EXAMPLE
Content-Type: application/x-amz-json-1.1
Content-Length: 2
Date: Thu, 06 Apr 2017 00:33:25 GMT

{}
```

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

UpdateTeamMember

Updates a team member's attributes in an AWS CodeStar project. For example, you can change a team member's role in the project, or change whether they have remote access to project resources.

Request Syntax

```
{
    "projectId": "string",
    "projectRole": "string",
    "remoteAccessAllowed": boolean,
    "userArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 80).

The request accepts the following data in JSON format.

projectId (p. 56)

The ID of the project.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 15.

Pattern: `^[a-z][a-z0-9-]+$`

Required: Yes

projectRole (p. 56)

The role assigned to the user in the project. Project roles have different levels of access. For more information, see Working with Teams in the *AWS CodeStar User Guide*.

Type: String

Pattern: `^(Owner|Viewer|Contributor)$`

Required: No

remoteAccessAllowed (p. 56)

Whether a team member is allowed to remotely access project resources using the SSH public key associated with the user's profile. Even if this is set to True, the user must associate a public key with their profile before the user can access resources.

Type: Boolean

Required: No

userArn (p. 56)

The Amazon Resource Name (ARN) of the user for whom you want to change team membership attributes.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 95.

Pattern: `^arn:aws:iam::\d{12}:user(?:(\u002F)|(\u002F[\u0021-\u007E]+\u002F))[\w+=,.@-]+$`

Required: Yes

Response Syntax

```
{
   "projectRole": "string",
   "remoteAccessAllowed": boolean,
   "userArn": "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.

projectRole (p. 57)

The project role granted to the user.

Type: String

Pattern: `^(Owner|Viewer|Contributor)$`

remoteAccessAllowed (p. 57)

Whether a team member is allowed to remotely access project resources using the SSH public key associated with the user's profile.

Type: Boolean

userArn (p. 57)

The Amazon Resource Name (ARN) of the user whose team membership attributes were updated.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 95.

Pattern: `^arn:aws:iam::\d{12}:user(?:(\u002F)|(\u002F[\u0021-\u007E]+\u002F))[\w+=,.@-]+$`

Errors

For information about the errors that are common to all actions, see Common Errors (p. 82).

ConcurrentModificationException

Another modification is being made. That modification must complete before you can make your change.

HTTP Status Code: 400

InvalidServiceRoleException

The service role is not valid.

HTTP Status Code: 400

LimitExceededException

A resource limit has been exceeded.

HTTP Status Code: 400

ProjectConfigurationException

Project configuration information is required but not specified.

HTTP Status Code: 400

ProjectNotFoundException

The specified AWS CodeStar project was not found.

HTTP Status Code: 400

TeamMemberNotFoundException

The specified team member was not found.

HTTP Status Code: 400

ValidationException

The specified input is either not valid, or it could not be validated.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of UpdateTeamMember.

Sample Request

```
POST / HTTP/1.1
Host: codestar.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 152
X-Amz-Target: CodeStar_20170419.UpdateTeamMember
X-Amz-Date: 20170406T035631Z
User-Agent: aws-cli/1.11.36 Python/2.7.9 Windows/7 botocore/1.4.93
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AIDACKCEVSQ6C2EXAMPLE/20170406/us-east-1/
codestar/aws4_request, SignedHeaders=content-type;host;x-amz-date;x-amz-target,
 Signature=c25ddcd5EXAMPLE

{
 "projectRole": "Contributor",
 "projectId": "my-first-projec",
 "remoteAccessAllowed": false,
 "userArn": "arn:aws:iam::111111111111:user/John_Doe"
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 06343b93-EXAMPLE
Content-Type: application/x-amz-json-1.1
Content-Length: 115
Date: Thu, 06 Apr 2017 03:56:33 GMT

{
 "projectRole":"Contributor",
 "remoteAccessAllowed":false,
 "userArn":"arn:aws:iam::111111111111:user/John_Doe"
}
```

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

UpdateUserProfile

Updates a user's profile in AWS CodeStar. The user profile is not project-specific. Information in the user profile is displayed wherever the user's information appears to other users in AWS CodeStar.

Request Syntax

```
{
    "displayName": "string",
    "emailAddress": "string",
    "sshPublicKey": "string",
    "userArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 80).

The request accepts the following data in JSON format.

displayName (p. 60)

The name that is displayed as the friendly name for the user in AWS CodeStar.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^\S(.*\S)?$`

Required: No

emailAddress (p. 60)

The email address that is displayed as part of the user's profile in AWS CodeStar.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 128.

Pattern: `^[\w-.+]+@[\w-.+]+$`

Required: No

sshPublicKey (p. 60)

The SSH public key associated with the user in AWS CodeStar. If a project owner allows the user remote access to project resources, this public key will be used along with the user's private key for SSH access.

Type: String

Length Constraints: Maximum length of 16384.

Pattern: `^[\t\r\n\u0020-\u00FF]*$`

Required: No

userArn (p. 60)

The name that will be displayed as the friendly name for the user in AWS CodeStar.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 95.

Pattern: `^arn:aws:iam::\d{12}:user(?:(\u002F)|(\u002F[\u0021-\u007E]+\u002F))[\w+=,.@-]+$`

Required: Yes

Response Syntax

```
{
    "createdTimestamp": number,
    "displayName": "string",
    "emailAddress": "string",
    "lastModifiedTimestamp": number,
    "sshPublicKey": "string",
    "userArn": "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.

createdTimestamp (p. 61)

The date the user profile was created, in timestamp format.

Type: Timestamp

displayName (p. 61)

The name that is displayed as the friendly name for the user in AWS CodeStar.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^\S(.*\S)?$`

emailAddress (p. 61)

The email address that is displayed as part of the user's profile in AWS CodeStar.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 128.

Pattern: `^[\w-.+]+@[\w-.+]+$`

lastModifiedTimestamp (p. 61)

The date the user profile was last modified, in timestamp format.

Type: Timestamp

The SSH public key associated with the user in AWS CodeStar. This is the public portion of the public/private keypair the user can use to access project resources if a project owner allows the user remote access to those resources.

Type: String

Length Constraints: Maximum length of 16384.

Pattern: `^[\t\r\n\u0020-\u00FF]*$`

The Amazon Resource Name (ARN) of the user in IAM.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 95.

Pattern: `^arn:aws:iam::\d{12}:user(?:(\u002F)|(\u002F[\u0021-\u007E]+\u002F))[\w+=,.@-]+$`

Errors

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

UserProfileNotFoundException

The user profile was not found.

HTTP Status Code: 400

ValidationException

The specified input is either not valid, or it could not be validated.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of UpdateUserProfile.

Sample Request

```
POST / HTTP/1.1
Host: codestar.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 92
X-Amz-Target: CodeStar_20170419.UpdateUserProfile
X-Amz-Date: 20170406T013847Z
User-Agent: aws-cli/1.11.36 Python/2.7.9 Windows/7 botocore/1.4.93
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AIDACKCEVSQ6C2EXAMPLE/20170406/us-east-1/
codestar/aws4_request, SignedHeaders=content-type;host;x-amz-date;x-amz-target,
 Signature=c25ddcd5EXAMPLE
```

```
{"displayName": "Jane Mary Doe", "userArn": "arn:aws:iam::111111111111:user/Jane_Doe"}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: c8f7ca6e-EXAMPLE
Content-Type: application/x-amz-json-1.1
Content-Length: 1094
Date: Thu, 06 Apr 2017 01:38:50 GMT

{
 "createdTimestamp":1.491439687681E9,
 "displayName":"Jane Mary Doe",
 "emailAddress":"jane.doe@example.com",
 "lastModifiedTimestamp":1.491442730598E9,
 "sshPublicKey":"EXAMPLE1",
 "userArn":"arn:aws:iam::111111111111:user/Jane_Doe"
}
```

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 CodeStar 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:

Code

Location and destination information about the source code files provided with the project request. The source code is uploaded to the new project source repository after project creation.

Contents

destination

The repository to be created in AWS CodeStar. Valid values are AWS CodeCommit or GitHub. After AWS CodeStar provisions the new repository, the source code files provided with the project request are placed in the repository.

Type: CodeDestination (p. 67) object

Required: Yes

source

The location where the source code files provided with the project request are stored. AWS CodeStar retrieves the files during project creation.

Type: CodeSource (p. 68) 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

CodeCommitCodeDestination

Information about the AWS CodeCommit repository to be created in AWS CodeStar. This is where the source code files provided with the project request will be uploaded after project creation.

Contents

name

The name of the AWS CodeCommit repository to be created in AWS CodeStar.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `^\S[\w.-]*$`

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

CodeDestination

The repository to be created in AWS CodeStar. Valid values are AWS CodeCommit or GitHub. After AWS CodeStar provisions the new repository, the source code files provided with the project request are placed in the repository.

Contents

codeCommit

Information about the AWS CodeCommit repository to be created in AWS CodeStar. This is where the source code files provided with the project request will be uploaded after project creation.

Type: CodeCommitCodeDestination (p. 66) object

Required: No

gitHub

Information about the GitHub repository to be created in AWS CodeStar. This is where the source code files provided with the project request will be uploaded after project creation.

Type: GitHubCodeDestination (p. 69) object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CodeSource

The location where the source code files provided with the project request are stored. AWS CodeStar retrieves the files during project creation.

Contents

s3

Information about the Amazon S3 location where the source code files provided with the project request are stored.

Type: S3Location (p. 74) 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

GitHubCodeDestination

Information about the GitHub repository to be created in AWS CodeStar. This is where the source code files provided with the project request will be uploaded after project creation.

Contents

description

Description for the GitHub repository to be created in AWS CodeStar. This description displays in GitHub after the repository is created.

Type: String

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

Pattern: `^\S(.*\S)?$`

Required: No

issuesEnabled

Whether to enable issues for the GitHub repository.

Type: Boolean

Required: Yes

name

Name of the GitHub repository to be created in AWS CodeStar.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `^\S[\w.-]*$`

Required: Yes

owner

The GitHub username for the owner of the GitHub repository to be created in AWS CodeStar. If this repository should be owned by a GitHub organization, provide its name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `^\S(.*\S)?$`

Required: Yes

privateRepository

Whether the GitHub repository is to be a private repository.

Type: Boolean

Required: Yes

token

The GitHub user's personal access token for the GitHub repository.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

type

The type of GitHub repository to be created in AWS CodeStar. Valid values are User or Organization.

Type: String

Pattern: `^(user|organization|User|Organization)$`

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

ProjectStatus

An indication of whether a project creation or deletion is failed or successful.

Contents

reason

In the case of a project creation or deletion failure, a reason for the failure.

Type: String

Length Constraints: Maximum length of 1024.

Pattern: `^$|^\S(.*\S)?$`

Required: No

state

The phase of completion for a project creation or deletion.

Type: String

Pattern: `^(CreateInProgress|CreateComplete|CreateFailed|DeleteComplete|DeleteFailed|DeleteInProgress|UpdateComplete|UpdateInProgress|UpdateFailed|Unknown)$`

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

ProjectSummary

Information about the metadata for a project.

Contents

projectArn

The Amazon Resource Name (ARN) of the project.

Type: String

Pattern: `^arn:aws[^:\s]*:codestar:[^:\s]+:[0-9]{12}:project\/[a-z]([a-z0-9|-])+$`

Required: No

projectId

The ID of the project.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 15.

Pattern: `^[a-z][a-z0-9-]+$`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Resource

Information about a resource for a project.

Contents

id

The Amazon Resource Name (ARN) of the resource.

Type: String

Length Constraints: Minimum length of 11.

Pattern: `(^arn\:aws\:\S.*\:.*)|(^amzn1\.ask\.skill\.[0-9a-f\-]+)`

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

S3Location

The Amazon S3 location where the source code files provided with the project request are stored.

Contents

bucketKey

The Amazon S3 object key where the source code files provided with the project request are stored.

Type: String

Required: Yes

bucketName

The Amazon S3 bucket name where the source code files provided with the project request are stored.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 63.

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

TeamMember

Information about a team member in a project.

Contents

projectRole

The role assigned to the user in the project. Project roles have different levels of access. For more information, see Working with Teams in the *AWS CodeStar User Guide*.

Type: String

Pattern: `^(Owner|Viewer|Contributor)$`

Required: Yes

remoteAccessAllowed

Whether the user is allowed to remotely access project resources using an SSH public/private key pair.

Type: Boolean

Required: No

userArn

The Amazon Resource Name (ARN) of the user in IAM.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 95.

Pattern: `^arn:aws:iam::\d{12}:user(?:(\u002F)|(\u002F[\u0021-\u007E]+\u002F))[\w+=,.@-]+$`

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

Toolchain

The toolchain template file provided with the project request. AWS CodeStar uses the template to provision the toolchain stack in AWS CloudFormation.

Contents

roleArn

The service role ARN for AWS CodeStar to use for the toolchain template during stack provisioning.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1224.

Required: No

source

The Amazon S3 location where the toolchain template file provided with the project request is stored. AWS CodeStar retrieves the file during project creation.

Type: ToolchainSource (p. 77) object

Required: Yes

stackParameters

The list of parameter overrides to be passed into the toolchain template during stack provisioning, if any.

Type: String to string map

Map Entries: Maximum number of 25 items.

Key Length Constraints: Minimum length of 1. Maximum length of 30.

Key Pattern: `^\S(.*\S)?$`

Value Length Constraints: Minimum length of 1. Maximum length of 150.

Value Pattern: `^\S(.*\S)?$`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ToolchainSource

The Amazon S3 location where the toolchain template file provided with the project request is stored. AWS CodeStar retrieves the file during project creation.

Contents

s3

The Amazon S3 bucket where the toolchain template file provided with the project request is stored.

Type: S3Location (p. 74) 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

UserProfileSummary

Information about a user's profile in AWS CodeStar.

Contents

displayName

The display name of a user in AWS CodeStar. For example, this could be set to both first and last name ("Mary Major") or a single name ("Mary"). The display name is also used to generate the initial icon associated with the user in AWS CodeStar projects. If spaces are included in the display name, the first character that appears after the space will be used as the second character in the user initial icon. The initial icon displays a maximum of two characters, so a display name with more than one space (for example "Mary Jane Major") would generate an initial icon using the first character and the first character after the space ("MJ", not "MM").

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^\S(.*\S)?$`

Required: No

emailAddress

The email address associated with the user.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 128.

Pattern: `^[\w-.+]+@[\w-.+]+$`

Required: No

sshPublicKey

The SSH public key associated with the user in AWS CodeStar. If a project owner allows the user remote access to project resources, this public key will be used along with the user's private key for SSH access.

Type: String

Length Constraints: Maximum length of 16384.

Pattern: `^[\t\r\n\u0020-\u00FF]*$`

Required: No

userArn

The Amazon Resource Name (ARN) of the user in IAM.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 95.

Pattern: `^arn:aws:iam::\d{12}:user(?:(\u002F)|(\u002F[\u0021-\u007E]+\u002F))[\w+=,.@-]+$`

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

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'T'HHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: `20120325T120000Z`.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is

not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see 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