



Home Region API Reference

AWS Migration Hub



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AWS Migration Hub: Home Region API Reference

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Welcome

The AWS Migration Hub home region APIs are available specifically for working with your Migration Hub home region. You can use these APIs to determine a home region, as well as to create and work with controls that describe the home region.

- You must make API calls for write actions (create, notify, associate, disassociate, import, or put) while in your home region, or a `HomeRegionNotSetException` error is returned.
- API calls for read actions (list, describe, stop, and delete) are permitted outside of your home region.
- If you call a write API outside the home region, an `InvalidInputException` is returned.
- You can call `GetHomeRegion` action to obtain the account's Migration Hub home region.

For specific API usage, see the sections that follow in this AWS Migration Hub Home Region API reference.

This document was last published on April 10, 2026.

Actions

The following actions are supported:

- [CreateHomeRegionControl](#)
- [DeleteHomeRegionControl](#)
- [DescribeHomeRegionControls](#)
- [GetHomeRegion](#)

CreateHomeRegionControl

Note

AWS Migration Hub is no longer open to new customers as of November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

This API sets up the home region for the calling account only.

Request Syntax

```
{
  "DryRun": boolean,
  "HomeRegion": "string",
  "Target": {
    "Id": "string",
    "Type": "string"
  }
}
```

Request Parameters

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

The request accepts the following data in JSON format.

DryRun

Optional Boolean flag to indicate whether any effect should take place. It tests whether the caller has permission to make the call.

Type: Boolean

Required: No

HomeRegion

The name of the home region of the calling account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50.

Pattern: `^([a-z]+)-([a-z]+)-([0-9]+)$`

Required: Yes

Target

The account for which this command sets up a home region control. The Target is always of type ACCOUNT.

Type: [Target](#) object

Required: Yes

Response Syntax

```
{
  "HomeRegionControl": {
    "ControlId": "string",
    "HomeRegion": "string",
    "RequestedTime": number,
    "Target": {
      "Id": "string",
      "Type": "string"
    }
  }
}
```

Response Elements

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

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

HomeRegionControl

This object is the HomeRegionControl object that's returned by a successful call to CreateHomeRegionControl.

Type: [HomeRegionControl](#) object

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

DryRunOperation

Exception raised to indicate that authorization of an action was successful, when the DryRun flag is set to true.

HTTP Status Code: 400

InternalServerError

Exception raised when an internal, configuration, or dependency error is encountered.

HTTP Status Code: 500

InvalidInputException

Exception raised when the provided input violates a policy constraint or is entered in the wrong format or data type.

HTTP Status Code: 400

ServiceUnavailableException

Exception raised when a request fails due to temporary unavailability of the service.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

The number of seconds the caller should wait before retrying.

HTTP Status Code: 400

See Also

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

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

DeleteHomeRegionControl

Note

AWS Migration Hub is no longer open to new customers as of November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

This operation deletes the home region configuration for the calling account. The operation does not delete discovery or migration tracking data in the home region.

Request Syntax

```
{
  "ControlId": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

ControlId

A unique identifier that's generated for each home region control. It's always a string that begins with "hrc-" followed by 12 lowercase letters and numbers.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50.

Pattern: `^hrc-[a-z0-9]{12}$`

Required: Yes

Response Elements

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

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

InternalServerError

Exception raised when an internal, configuration, or dependency error is encountered.

HTTP Status Code: 500

InvalidInputException

Exception raised when the provided input violates a policy constraint or is entered in the wrong format or data type.

HTTP Status Code: 400

ServiceUnavailableException

Exception raised when a request fails due to temporary unavailability of the service.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

The number of seconds the caller should wait before retrying.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)

- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
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- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DescribeHomeRegionControls

Note

AWS Migration Hub is no longer open to new customers as of November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

This API permits filtering on the `ControlId` and `HomeRegion` fields.

Request Syntax

```
{
  "ControlId": "string",
  "HomeRegion": "string",
  "MaxResults": number,
  "NextToken": "string",
  "Target": {
    "Id": "string",
    "Type": "string"
  }
}
```

Request Parameters

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

The request accepts the following data in JSON format.

ControlId

The `ControlId` is a unique identifier string of your `HomeRegionControl` object.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50.

Pattern: `^hrc-[a-z0-9]{12}$`

Required: No

HomeRegion

The name of the home region you'd like to view.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50.

Pattern: `^[a-z]+-[a-z]+-[0-9]+$`

Required: No

MaxResults

The maximum number of filtering results to display per page.

Type: Integer

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

Required: No

NextToken

If a `NextToken` was returned by a previous call, more results are available. To retrieve the next page of results, make the call again using the returned token in `NextToken`.

Type: String

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

Pattern: `^[a-zA-Z0-9\-_\.\+]{0,2048}$`

Required: No

Target

The target parameter specifies the identifier to which the home region is applied, which is always of type `ACCOUNT`. It applies the home region to the current `ACCOUNT`.

Type: [Target](#) object

Required: No

Response Syntax

```
{
  "HomeRegionControls": [
    {
      "ControlId": "string",
      "HomeRegion": "string",
      "RequestedTime": number,
      "Target": {
        "Id": "string",
        "Type": "string"
      }
    }
  ],
  "NextToken": "string"
}
```

Response Elements

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

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

HomeRegionControls

An array that contains your HomeRegionControl objects.

Type: Array of [HomeRegionControl](#) objects

Array Members: Maximum number of 100 items.

NextToken

If a NextToken was returned by a previous call, more results are available. To retrieve the next page of results, make the call again using the returned token in NextToken.

Type: String

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

Pattern: `^[a-zA-Z0-9\-_\+\=]{0,2048}$`

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

InternalServerError

Exception raised when an internal, configuration, or dependency error is encountered.

HTTP Status Code: 500

InvalidInputException

Exception raised when the provided input violates a policy constraint or is entered in the wrong format or data type.

HTTP Status Code: 400

ServiceUnavailableException

Exception raised when a request fails due to temporary unavailability of the service.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

The number of seconds the caller should wait before retrying.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)

- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
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- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetHomeRegion

Note

AWS Migration Hub is no longer open to new customers as of November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

Returns the calling account's home region, if configured. This API is used by other AWS services to determine the regional endpoint for calling AWS Application Discovery Service and Migration Hub. You must call `GetHomeRegion` at least once before you call any other AWS Application Discovery Service and AWS Migration Hub APIs, to obtain the account's Migration Hub home region.

Response Syntax

```
{
  "HomeRegion": "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.

[HomeRegion](#)

The name of the home region of the calling account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50.

Pattern: `^[a-z]+-[a-z]+-[0-9]+$`

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

InternalServerError

Exception raised when an internal, configuration, or dependency error is encountered.

HTTP Status Code: 500

InvalidInputException

Exception raised when the provided input violates a policy constraint or is entered in the wrong format or data type.

HTTP Status Code: 400

ServiceUnavailableException

Exception raised when a request fails due to temporary unavailability of the service.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

The number of seconds the caller should wait before retrying.

HTTP Status Code: 400

See Also


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

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)

- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

Data Types

The AWS Migration Hub Config 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:

- [HomeRegionControl](#)
- [Target](#)

HomeRegionControl

A home region control is an object that specifies the home region for an account, with some additional information. It contains a target (always of type ACCOUNT), an ID, and a time at which the home region was set.

Contents

ControlId

A unique identifier that's generated for each home region control. It's always a string that begins with "hrc-" followed by 12 lowercase letters and numbers.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50.

Pattern: `^hrc-[a-z0-9]{12}$`

Required: No

HomeRegion

The AWS Region that's been set as home region. For example, "us-west-2" or "eu-central-1" are valid home regions.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50.

Pattern: `^([a-z]+)-([a-z]+)-([0-9]+)$`

Required: No

RequestedTime

A timestamp representing the time when the customer called `CreateHomeregionControl` and set the home region for the account.

Type: Timestamp

Required: No

Target

The target parameter specifies the identifier to which the home region is applied, which is always an ACCOUNT. It applies the home region to the current ACCOUNT.

Type: [Target](#) object

Required: No

See Also

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

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

Target

The target parameter specifies the identifier to which the home region is applied, which is always an ACCOUNT. It applies the home region to the current ACCOUNT.

Contents

Type

The target type is always an ACCOUNT.

Type: String

Valid Values: ACCOUNT

Required: Yes

Id

The TargetID is a 12-character identifier of the ACCOUNT for which the control was created. (This must be the current account.)

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^\d{12}$`

Required: No

See Also

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

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

Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see [Signing AWS API requests](#) in the *IAM User Guide*.

X-Amz-Algorithm

The hash algorithm that you used to create the request signature.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Valid Values: AWS4-HMAC-SHA256

Required: Conditional

X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4_request"). The value is expressed in the following format: *access_key/YYYYMMDD/region/service/aws4_request*.

For more information, see [Create a signed AWS API request](#) in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-Date

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'T'HHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: 20120325T120000Z.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see [Elements of an AWS API request signature](#) in the *IAM User Guide*.

Type: string

Required: Conditional

X-Amz-Security-Token

The temporary security token that was obtained through a call to AWS Security Token Service (AWS STS). For a list of services that support temporary security credentials from AWS STS, see [AWS services that work with IAM](#) in the *IAM User Guide*.

Condition: If you're using temporary security credentials from AWS STS, you must include the security token.

Type: string

Required: Conditional

X-Amz-Signature

Specifies the hex-encoded signature that was calculated from the string to sign and the derived signing key.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-SignedHeaders

Specifies all the HTTP headers that were included as part of the canonical request. For more information about specifying signed headers, see [Create a signed AWS API request](#) in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

Common Error Types

This section lists common error types that this AWS service may return. Not all services return all error types listed here. For errors specific to an API action for this service, see the topic for that API action.

AccessDeniedException

You don't have permission to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 403

ExpiredTokenException

The security token included in the request has expired. Request a new security token and try again.

HTTP Status Code: 403

IncompleteSignature

The request signature doesn't conform to AWS standards. Verify that you're using valid AWS credentials and that your request is properly formatted. If you're using an SDK, ensure it's up to date.

HTTP Status Code: 403

InternalFailure

The request can't be processed right now because of an internal server issue. Try again later. If the problem persists, contact AWS Support.

HTTP Status Code: 500

MalformedHttpRequestException

The request body can't be processed. This typically happens when the request body can't be decompressed using the specified content encoding algorithm. Verify that the content encoding header matches the compression format used.

HTTP Status Code: 400

NotAuthorized

You don't have permissions to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 401

OptInRequired

Your AWS account needs a subscription for this service. Verify that you've enabled the service in your account.

HTTP Status Code: 403

RequestAbortedException

The request was aborted before a response could be returned. This typically happens when the client closes the connection.

HTTP Status Code: 400

RequestEntityTooLargeException

The request entity is too large. Reduce the size of the request body and try again.

HTTP Status Code: 413

RequestTimeoutException

The request timed out. The server didn't receive the complete request within the expected time frame. Try again.

HTTP Status Code: 408

ServiceUnavailable

The service is temporarily unavailable. Try again later.

HTTP Status Code: 503

ThrottlingException

Your request rate is too high. The AWS SDKs automatically retry requests that receive this exception. Reduce the frequency of requests.

HTTP Status Code: 400

UnknownOperationException

The action or operation isn't recognized. Verify that the action name is spelled correctly and that it's supported by the API version you're using.

HTTP Status Code: 404

UnrecognizedClientException

The X.509 certificate or AWS access key ID you provided doesn't exist in our records. Verify that you're using valid credentials and that they haven't expired.

HTTP Status Code: 403

ValidationError

The input doesn't meet the required format or constraints. Check that all required parameters are included and that values are valid.

HTTP Status Code: 400