

# Approve Link Request

## Approve Link Request from Child CCM

API	Details
Name	Approve Link Request from Child CCM
Description	The tenant admin for the Child CCM receives a request and can decide the permissions to provide to the Parent CCM when approving the request.
Method	PUT
URI	<code>v1/tenants/tenantId/links/linkId</code>
CloudCenter Release	Introduced in CloudCenter 4.3.
Notes	<ul style="list-style-type: none"><li>• Available in CloudCenter 4.3 to 4.5.</li><li>• For additional context on &lt;PORT&gt; usage in the following example(s), see <a href="#">Base URI Format</a>.</li><li>• The Child CCM tenant admin can change the assigned permissions even after the link exchange is established.</li><li>• Other than these permission options, all other information is visible and accessible by the Parent CCM</li></ul>
ESB Header	<b>action:</b> <code>update.tenants.tenantId.links.linkId</code>  See the <i>Enterprise Service Bus (ESB)</i> section for the relevant release for additional context.

```
curl -k -X PUT -H "Accept: application/json" -H "Content-Type: application/json" -u cloudcenteradmin:40E45DBE57E35ECB "https://<ChildCCM_HOST>:<PORT>/v1/tenants/1/links/3"
```

### Request Body

```
{
  "id": "3",
  "name": "CCM4-T0",
  "description": null,
  "status": "APPROVED",
  "remoteCloudCenterId": "ccm3",
  "remoteTenantShortName": "CloudCenter",
  "relation": "CLOUD_CENTER_LINK_TO_PARENT",
  "remoteEndpoint": "https://<ParentCCM_HOST>:<PORT>",
  "tenantId": 1,
  "remoteLinkId": "7",
  "remoteTenantId": "1",
  "requestComment": "",
  "rejectReason": null,
  "requesterName": "CloudCenter Admin",
  "disabled": false,
  "remoteLaunchOk": true,
  "remoteTerminationOk": true,
  "remotePolicyCreationOk": true,
  "remoteAppProfileCreationOk": true
}
```

### Response

```

{
  "id": "3",
  "resource": "https://<ChildCCM_HOST>:<PORT>/v1/tenants/1/links/3",
  "perms": [],
  "name": "CCM4-T0",
  "description": null,
  "tenantId": "1",
  "disabled": false,
  "status": "PENDING_ACK",
  "lastApproved": null,
  "lastUpdated": 1464898037366,
  "created": 1464897594000,
  "remoteTenantId": "1",
  "remoteTenantShortName": "CloudCenter",
  "remoteCloudCenterId": "ccm3",
  "remoteEndpoint": "https://<ParentCCM_HOST>:<PORT>",
  "remoteLinkId": "7",
  "relation": "CLOUD_CENTER_LINK_TO_PARENT",
  "approvedLinkState": "DID_NOT_CHECK",
  "requestComment": "",
  "rejectReason": null,
  "requesterName": "CloudCenter Admin",
  "userName": null,
  "password": null,
  "remoteCaCert": "[\n\n Version: V3\n Subject: C=US, ST=CA, L=Santa Clara,
  .....C.C4...T.]..\n\n]",
  "remoteLaunchOk": true,
  "remoteTerminationOk": true,
  "remotePolicyCreationOk": true,
  "remoteAppProfileCreationOk": true
}

```

#### tenantId

- **Description:** Unique, system-generated identifier for the tenant organization. A tenant admin must belong to this tenant to invoke any APIs for this tenant. See the *Tenant ID and Tenant Name Dependency* section for the relevant release for additional context.
- **Type:** String

#### linkId

- **Description:** Unique identifier for a CloudCenter link within a [federated](#) tenant. This ID is generated automatically by the CloudCenter platform when the link is created.
- **Type:** String

#### id

- **Description:** Unique, system-generated identifier for this *CloudCenter Resource*.
- **Type:** String

#### name

- **Description:** The name assigned for this *CloudCenter Resource*. Valid characters are letters, numbers, underscores, and spaces.
- **Type:** String

#### description

- **Description:** A brief description for this *CloudCenter Resource*.
- **Type:** String

#### status

- **Description:**Status of the operation. See the *Deployment and VM States* section for the relevant release to view a list of all job operations.
- **Type:** Enumeration

Enumeration	Description
SUBMITTED	The operation has been submitted
RUNNING	The operation is currently in progress
SUCCESS	The operation succeeded
FAIL	The operation failed

#### remoteCloudCenterId

- **Description:** Unique, system-generated identifier for the federated CCM's CloudCenter ID (CCID). This ID is auto-generated by CloudCenter. See the *Certificate Authentication and Management* section and the *Federated CCM Management* section for the relevant release for additional context.



When submitting jobs from a linked Child CCM in a Federated CCM environment, use the additional target CCID parameter, -H "x-cliq-ccid: ccm4", in the HTTP header. In place of *ccm4*, use your remote deployment identifier, CloudCenter ID (CCID) *remoteCloudCenterId*, that is included in the response to the [View Child CCM Details](#) API call.

- **Type:** String

#### remoteTenantShortName

- **Description:** Unique short version of this federated CCM tenant's name to be used in the Login page. See the *Tenant ID and Tenant Name Dependency* section and the *Federated CCM Management* section for the relevant release for additional context.
- **Type:**String

#### relation

- **Description:** Identifies the relation between the [tenantId](#) and the [remoteTenantId](#) in a federated environment.
- **Type:** Enumeration

Enumeration	Description
CLOUD_CENTER_LINK_TO_PARENT	Indicates that this server is the Child CCM.
CLOUD_CENTER_LINK_TO_CHILD	Indicates that this server is the Parent CCM.

#### remoteEndpoint

- **Description:** Unique URL to access the remote federated CCM server. See the *Federated CCM Management* section for the relevant release for additional context.
- **Type:**String

#### tenantId

- **Description:**Unique, system-generated identifier for the tenant organization.A tenant admin must belong to this tenant to invoke any APIs for this tenant. See the *Tenant ID and Tenant Name Dependency* section for the relevant release for additional context.
- **Type:** String

#### remoteLinkId

- **Description:** Once the tenant admin for the Subordinate (child) CCM approves the link request and the federated registration is established, CloudCenter assigns a a unique, system-generated identifier for the link. See the *Federated CCM Management* section for the relevant release for additional context.
- **Type:** String

#### remoteTenantId

- **Description:** Unique, system-generated identifier for the federated tenant organization.A tenant admin must belong to this tenant to invoke any APIs for this tenant.See the *Federated CCM Management* section for the relevant release for additional context.
- **Type:** String

requestComment

- **Description:** Comments or descriptions about the [federated](#) link request and can include information on the reason(s), requester information, and so forth.
- **Type:** String

rejectReason

- **Description:** The reason that the [federated](#) link request was rejected.
- **Type:** String

requesterName

- **Description:** The name of the user (on the parent CCM) who is initiating the [federated](#) link request.
- **Type:** String

disabled

- **Description:** Indicates whether this resource is disabled.
  - *true*= resource is disabled
  - *false*= resource is not disabled
- **Type:** Boolean

remoteLaunchOk

- **Description:** Identifies if the child CCM administrator permitted this job to launch from the parent CCM. See the *Parent CCM Link Initiation* section (Parent Manager Permissions Allow App Remote Launch) for the relevant release for additional context.
- **Type:** Boolean
  - *true* = **Allow App Remote Launch** is selected.
  - *false* = **Allow App Remote Launch** is not selected.

remoteTerminationOk

- **Description:** Identifies if the child CCM administrator permitted this job to be terminated from the parent CCM. See the *Parent CCM Link Initiation* section (Parent Manager Permissions Allow App Remote Termination) for the relevant release for additional context.
- **Type:** Boolean
  - *true* = **Allow App Remote Termination** is selected.
  - *false* = **Allow App Remote Termination** is not selected.

remotePolicyCreationOk

- **Description:** Identifies if the child CCM administrator permitted this policy to be created from the parent CCM. See the *Parent CCM Link Initiation* section (Parent Manager Permissions Allow Policy Remote Creation) for the relevant release for additional context.
- **Type:** Boolean
  - *true* = **Allow Policy Remote Creation** is selected.
  - *false* = **Allow Policy Remote Creation** is not selected.

remoteAppProfileCreationOk

- **Description:** Identifies if the child CCM administrator permitted this application profile to be created from the parent CCM. See the *Parent CCM Link Initiation* section (Parent Manager Permissions Allow App Profile Remote Creation) for the relevant release for additional context.
- **Type:** Boolean
  - *true* = **Allow App Profile Remote Creation** is selected.
  - *false* = **Allow App Profile Remote Creation** is not selected.

id

- **Description:** Unique, system-generated identifier for this *CloudCenter Resource*.
- **Type:** String

resource

- **Description:** Unique URL to access this resource.
- **Type:** String

See [pageResource](#) or [Pagination](#) for additional context

name

- **Description:**The name assigned for this *CloudCenter Resource*.Valid characters are letters, numbers, underscores, and spaces.
- **Type:** String

description

- **Description:**A brief description for this *CloudCenter Resource*.
- **Type:** String

tenantId

- **Description:**Unique, system-generated identifier for the tenant organization.A tenant admin must belong to this tenant to invoke any APIs for this tenant. See the *Tenant ID and Tenant Name Dependency*section for the relevant release for additional context.
- **Type:** String

disabled

- **Description:** Indicates whether this resource is disabled.
  - *True*= resource is disabled
  - *false*= resource is not disabled
- **Type:** Boolean

status

- **Description:**Status of the operation. See the *Deployment and VM States*section for the relevant release to view a list of all job operations.
- **Type:** Enumeration

Enumeration	Description
SUBMITTED	The operation has been submitted
RUNNING	The operation is currently in progress
SUCCESS	The operation succeeded
FAIL	The operation failed

lastApproved

- **Description:** If the connection was successfully established, this is the date when this resource was last approved. See the *Federated CCM Management*section for the relevant release for additional context.
- **Type:** Long

lastUpdated

- **Description:** Date that this resource was last updated. This attribute is the same as the[lastUpdatedTime](#) attribute.
- **Type:** Long

created

- **Description:** The date that this resource or favorite was created (system generated). This is a read-only attribute and cannot be configured.
- **Type:** Long

remoteTenantId

- **Description:** Unique, system-generated identifier for the federated tenant organization.A tenant admin must belong to this tenant to invoke any APIs for this tenant.See the *Federated CCM Management*section for the relevant release for additional context.
- **Type:** String

remoteTenantShortName

- **Description:** Unique short version of this federated CCM tenant's name to be used in the Login page. See the *Tenant ID and Tenant Name Dependency*section and the *Federated CCM Management*section for the relevant release for additional context.
- **Type:**String

remoteCloudCenterId

- **Description:** Unique, system-generated identifier for the federated CCM's CloudCenter ID (CCID). This ID is auto-generated by CloudCenter. See the *Certificate Authentication and Management* section and the *Federated CCM Management* section for the relevant release for additional context.



When submitting jobs from a linked Child CCM in a Federated CCM environment, use the additional target CCID parameter, -H "x-cliqr-ccid: ccm4", in the HTTP header. In place of *ccm4*, use your remote deployment identifier, CloudCenter ID (CCID) *remoteCloudCenterId*, that is included in the response to the [View Child CCM Details](#) API call.

- **Type:** String

remoteEndpoint

- **Description:** Unique URL to access the remote federated CCM server. See the *Federated CCM Management* section for the relevant release for additional context.
- **Type:** String

remoteLinkId

- **Description:** Once the tenant admin for the Subordinate (child) CCM approves the link request and the federated registration is established, CloudCenter assigns a unique, system-generated identifier for the link. See the *Federated CCM Management* section for the relevant release for additional context.
- **Type:** String

relation

- **Description:** Identifies the relation between the [tenantId](#) and the [remoteTenantId](#) in a federated environment.
- **Type:** Enumeration

Enumeration	Description
CLOUD_CENTER_LINK_TO_PARENT	Indicates that this server is the Child CCM.
CLOUD_CENTER_LINK_TO_CHILD	Indicates that this server is the Parent CCM.

approvedLinkState

- **Description:** Identifies the possible states for linked CCMs in a [federated](#) environment.
- **Type:** Enumeration

Enumeration	Description
CONNECTED	The federated CCM link is successfully established.
CANNOT_ESTABLISH_LINK	CloudCenter is unable to establish a federated CCM link between the identified CCMs.
DISABLED	The federated CCM link cannot be accessed by the remote server as the request may have been declined by the Subordinate CCM's admin.
DID_NOT_CHECK	Default. The remote CCM admin may not have checked the link connection request and the link is still not mutually authenticated.

requestComment

- **Description:** Comments or descriptions about the [federated](#) link request and can include information on the reason(s), requester information, and so forth.
- **Type:** String

rejectReason

- **Description:** The reason that the [federated](#) link request was rejected.
- **Type:** String

requesterName

- **Description:** The name of the user (on the parent CCM) who is initiating the [federated](#) link request.
- **Type:** String

userName

- **Description:** Unique CloudCenter-generated name reference for this user.
- **Type:** String

password

- **Description:** Password for the user's account. Effective Cloud Center 4.6.1, the CloudCenter platform enforces a minimum password length of 5 characters for all settings.
- **Type:** String

remoteCaCert

- **Description:** The certificate content of the remote Certificate Authority. See the *Federated CCM Management* section for the relevant release for additional context.
- **Type:** String

remoteLaunchOk

- **Description:** Identifies if the child CCM administrator permitted this job to launch from the parent CCM. See the *Parent CCM Link Initiation* section (Parent Manager Permissions Allow App Remote Launch) for the relevant release for additional context.
- **Type:** Boolean
  - *true* = **Allow App Remote Launch** is selected.
  - *false* = **Allow App Remote Launch** is not selected.

remoteTerminationOk

- **Description:** Identifies if the child CCM administrator permitted this job to be terminated from the parent CCM. See the *Parent CCM Link Initiation* section (Parent Manager Permissions Allow App Remote Termination) for the relevant release for additional context.
- **Type:** Boolean
  - *true* = **Allow App Remote Termination** is selected.
  - *false* = **Allow App Remote Termination** is not selected.

remotePolicyCreationOk

- **Description:** Identifies if the child CCM administrator permitted this policy to be created from the parent CCM. See the *Parent CCM Link Initiation* section (Parent Manager Permissions Allow Policy Remote Creation) for the relevant release for additional context.
- **Type:** Boolean
  - *true* = **Allow Policy Remote Creation** is selected.
  - *false* = **Allow Policy Remote Creation** is not selected.

remoteAppProfileCreationOk

- **Description:** Identifies if the child CCM administrator permitted this application profile to be created from the parent CCM. See the *Parent CCM Link Initiation* section (Parent Manager Permissions Allow App Profile Remote Creation) for the relevant release for additional context.
- **Type:** Boolean
  - *true* = **Allow App Profile Remote Creation** is selected.
  - *false* = **Allow App Profile Remote Creation** is not selected.