



Tags

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Tags and Tag Types

Cisco UCS Central uses tags to allow users to group objects outside of the Organization or Domain Group structures. You can use the following types of tags:

- System-defined tags—Tags that are defined by Cisco UCS Central. This includes the Maintenance Group tag, the Operating System for HCR tag, and the Adapter Driver for HCR tag.
- User-defined tags—Tags that are created by users but have specific values.
- Basic tags—Free text tags that can allow any value.

From the **Tag Management** page in the GUI, you can view all Tag Types that have been created in Cisco UCS Central. However, you can view only the Tags that are associated with an object and are in active use at any given time.

Creating Tag Types

You can add tags to policies, logical resources such as service profiles and ID pools, and physical inventory components such as domains or servers.



Note

Only users with the Tag permission can create tag types.

Procedure

	Command or Action	Purpose
Step 1	UCSC # connect policy-mgr	Enters policy manager mode.
Step 2	UCSC(policy-mgr) # scope fabric	Scopes into the fabric interconnect.

	Command or Action	Purpose
Step 3	UCSC(policy-mgr) /fabric # scope tag-mgmt	Scopes into tag management.
Step 4	UCSC(policy-mgr) /fabric/tag-mgmt # create tag-type tag-type-name	Creates the tag type.
Step 5	UCSC(policy-mgr) /fabric/tag-mgmt/tag-type/tag-item # set {color descr restricted {yes no}}	(Optional) Sets the following for the tag type: <ul style="list-style-type: none"> • Color—Sets the color for the tag display. Note You must enter color in hex code. • Description—Allows user to enter a description. • Restriction—Yes No <ul style="list-style-type: none"> ◦ No—Does not restrict the tag. Allows you to enter any text to the tag. ◦ Yes—Restricts the tag to a predefined list. You can create a list of values, or add additional values to an existing list of values. When you assign the tag, you choose one of the values from the list.
Step 6	UCSC(policy-mgr) /fabric/tag-mgmt/tag-type/tag-item # commit-buffer	Commits the transaction to the system.

The following example shows how to create a tag and set options for it:

```
UCSC# connect policy-mgr
UCSC(policy-mgr) # scope fabric
UCSC(policy-mgr) /fabric # scope tag-mgmt
UCSC(policy-mgr) /fabric/tag-mgmt # create tag-type USA
UCSC(policy-mgr) /fabric/tag-mgmt/tag-type # set color 722607
UCSC(policy-mgr) /fabric/tag-mgmt/tag-type # set descr 'USA updates'
UCSC(policy-mgr) /fabric/tag-mgmt/tag-type # set restricted no
UCSC(policy-mgr) /fabric/tag-mgmt/tag-type/tag-item # commit-buffer
```

Creating Tag Values

Procedure

	Command or Action	Purpose
Step 1	UCSC # connect policy-mgr	Enters policy manager mode.

	Command or Action	Purpose
Step 2	UCSC(policy-mgr) # scope fabric	Scopes into the fabric interconnect.
Step 3	UCSC(policy-mgr) /fabric # scope tag-mgmt	Scopes into tag management.
Step 4	UCSC(policy-mgr) /fabric/tag-mgmt # scope tag-type tag-type	Scopes into a specific tag type.
Step 5	UCSC(policy-mgr) /fabric/tag-mgmt/tag-type/tag-item # create tag-item tag-name	Creates a new tag value.
Step 6	UCSC(policy-mgr) /fabric/tag-mgmt/tag-type/tag-item # commit-buffer	Commits the transaction to the system.

The following example shows how to create tag values:

```
UCSC# connect policy-mgr
UCSC(policy-mgr) # scope fabric
UCSC(policy-mgr) /fabric # scope tag-mgmt
UCSC(policy-mgr) /fabric/tag-mgmt # show tag-type
Tag Type:
-----
Name                               Color      System Defined Multiple Restricted
-----
Adapter Driver for HCR             049fd9     Yes           Yes       Yes
Basic                               5bc0de     Yes           Yes       No
Geographic                         5bc0de     No            Yes       No
Maintenance Group                  049fd9     Yes           No        Yes
Operating System for HCR           049fd9     Yes           No        Yes
UCSC(policy-mgr) /fabric/tag-mgmt # scope tag-type 'Maintenance Group'
UCSC(policy-mgr) /fabric/tag-mgmt/tag-type # create tag-item FW_Update
UCSC(policy-mgr) /fabric/tag-mgmt/tag-type/tag-item # commit-buffer
```

Viewing Tags

Procedure

	Command or Action	Purpose
Step 1	UCSC # connect policy-mgr	Enters policy manager mode.
Step 2	UCSC(policy-mgr) # scope fabric	Scopes into the fabric interconnect.
Step 3	UCSC(policy-mgr) /fabric # scope tag-mgmt	Scopes into tag management.
Step 4	UCSC(policy-mgr) /fabric/tag-mgmt # show tag-type	Displays all tag types.
Step 5	UCSC(policy-mgr) /fabric/tag-mgmt # scope tag-type 'tag-type'	Scopes into a specific tag type.
Step 6	UCSC(policy-mgr) /fabric/tag-mgmt/tag-type # show tag-item	Displays the values for the selected tag.

The following example shows how to view maintenance group tags:

```
UCSC# connect policy-mgr
UCSC(policy-mgr)# scope fabric
UCSC(policy-mgr) /fabric # scope tag-mgmt
UCSC(policy-mgr) /fabric/tag-mgmt # show tag-type
Tag Type:
Name                               Color      System Defined Multiple Restricted
-----
Adapter Driver for HCR             049fd9     Yes           Yes           Yes
Basic                              5bc0de     Yes           Yes           No
Geographic                        5bc0de     No            Yes           No
Maintenance Group                  049fd9     Yes           No            Yes
Operating System for HCR           049fd9     Yes           No            Yes
UCSC(policy-mgr) /fabric/tag-mgmt # scope tag-type 'Maintenance Group'
UCSC(policy-mgr) /fabric/tag-mgmt/tag-type # show tag-item
Tag Item:
Value
-----
tag1
tag2
tag3
tag4
```