



CHAPTER 7

Namespace Manager

The Namespace Manager provides a GUI for managing the system namespace known as “config,” which contains the set of Cisco standardized events, such as *com.cisco.cns.mgmt.config.load*, etc. By default, each event defines a mapping to itself for both the publish and subscribe mapping.

If you are using the *Cisco Configuration Engine Software Development Kit API Reference and Programmer Guide* to develop your own application, you are free to redefine the map according to your application needs. Additional application-specific namespace values can be defined by means of the Cisco Configuration Engine SDK.



Note

Cisco Configuration Engine supports multiple namespaces and their respective mappings by means of the Cisco Configuration Engine GUI.

The system namespace is guaranteed to return a mapping even for undefined events; in which case, the input map is returned as the output map. This is a requirement for supporting future devices which might depend on new events that are not currently defined.

To access Namespace management tasks, log into the system (see “[Logging In](#)” section on page 2-1). Then, from the Home page, click the **Tools** tab. The Tools page appears.

From the Tools page, click **Namespace Mgr**. The Namespace Management page appears showing:

- View Events
- Add Events
- Edit Events
- Delete Events















































Viewing Events

From the Namespace Manager main page, click **View Events**. The events list for the current application (config) appears (see [Figure 7-1](#)).

Figure 7-1 Events List

Application Details: config

Events in the Application:

 cisco.mgmt.cns.config-changed	 cisco.mgmt.cns.device.disconnect	 cisco.mgmt.cns.device.connect
 cisco.cns.config.reboot	 cisco.mgmt.cns.event.boot	 cisco.cns.config-changed
 cisco.cns.config.load	 cisco.mgmt.cns.inventory.get	 cisco.mgmt.cns.config.sync-status
 cisco.cns.device.connect	 cisco.cns.exec.cmd	 cisco.cns.exec.reload
 cisco.mgmt.cns.image.checkServer	 cisco.mgmt.cns.exec.cmd	 cisco.mgmt.cns.config.load
 cisco.mgmt.cns.config.complete	 cisco.cns.exec.rsp	 cisco.mgmt.cns.exec.reload
 cisco.cns.config.id-changed	 cisco.cns.config.complete	 cisco.mgmt.cns.exec.rsp
 cisco.mgmt.cns.image.status	 cisco.cns.inventory.oir	 cisco.mgmt.cns.image.deleteRequest
 cisco.mgmt.cns.config.reboot	 cisco.mgmt.cns.reloadNotify	 cisco.mgmt.cns.inventory.device-details
 cisco.mgmt.cns.config.failure	 cisco.mgmt.cns.image.deleteResponse	 cisco.mgmt.cns.image.upgradeRequest
 cisco.cns.config.sync-status	 cisco.mgmt.cns.config.warning	 cisco.mgmt.cns.config-changed.lost
 cisco.cns.config.failure	 cisco.cns.inventory.get	 cisco.cns.event.boot
 cisco.mgmt.cns.config.id-changed	 cisco.mgmt.cns.image.inventoryRequest	 cisco.cns.inventory.device-details
 cisco.cns.config-changed.lost	 cisco.cns.reloadNotify	 cisco.cns.config.warning
 cisco.cns.device.disconnect	 cisco.mgmt.cns.event.id-changed	 cisco.cns.event.id-changed
 cisco.mgmt.cns.inventory.oir		

129368

Adding Events

The events list for the current application (config) appears (see [Figure 7-1](#)).

Step 1 From the Namespace Manager main page, click **Add Events**.

The Event information page appears (see [Figure 7-2](#)).

Figure 7-2 Event Information Page

Add Event to Application: config

Event Name <small>(required)</small>	<input type="text"/>
NSM Mode	Algorithmic <input type="button" value="v"/>
Event Mapping <small>(required)</small>	<input type="text"/>
<input type="button" value="Advanced"/>	
<input type="button" value="Add"/> <input type="button" value="Reset"/>	

129369

- Step 2** Enter an Event name.
- Step 3** Use the drop-down arrow to select the NSM Mode.
- Algorithmic – Mapped events qualified with group name or device name are returned from NSM. This is the preferred mode for all users. It allows you to provision the selected group(s) of device(s).
 - Non-Algorithmic – Mapped events are returned from NSM without group name or device name. You are forced to provision all device(s).
- Step 4** Enter a valid Event Mapping.
For example: **cisco.mgmt.cns.exec.reload**
- Step 5** To define separate parameters for Subscriber Mapping and Publisher Mapping, click **Advanced**.
The advanced event information page appears (see [Figure 7-3](#)).

Figure 7-3 Advanced Event Information Page

Add Event to Application: config

Event Name (required)	<input type="text"/>
Subscriber Default	Algorithmic <input type="button" value="v"/>
Publisher Default	Algorithmic <input type="button" value="v"/>
Subscriber Mapping (required)	<input type="text"/> <input type="button" value="Remove"/> New Mapping <input type="text"/> <input type="button" value="Add to list"/>
Publisher Mapping (required)	<input type="text"/> <input type="button" value="Remove"/> New Mapping <input type="text"/> <input type="button" value="Add to list"/>

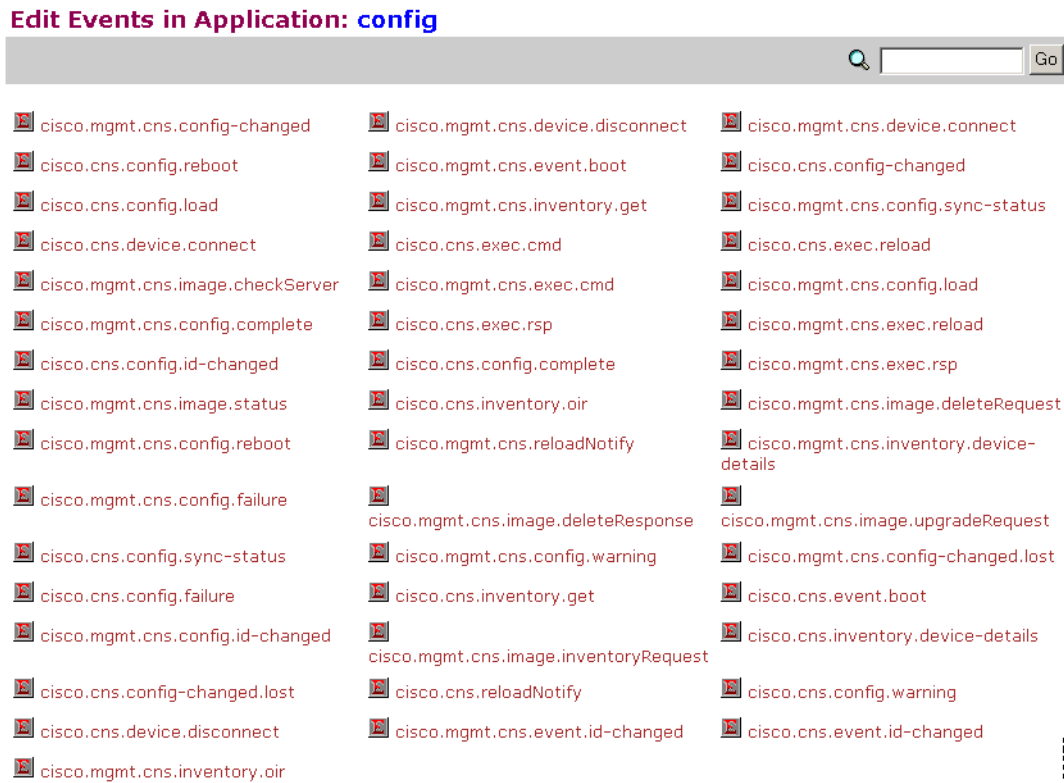
129453

- Step 6** Enter information in the appropriate fields, then click **Add**.

Editing Events

- Step 1** From the Namespace Manager main page, click **Edit Events**.
The Event information page appears (see [Figure 7-4](#)).

Figure 7-4 Event List to Edit



129370

- Step 2** Click on the Event you want to edit.
The Edit Event parameters page appears (see [Figure 7-5](#)).

Figure 7-5 Edit Event Parameters

Edit Event: cisco.cns.config.load

Subscriber Default <small>(required)</small>	Algorithmic
Publisher Default <small>(required)</small>	Algorithmic
Subscriber Mapping <small>(required)</small>	<input type="text" value="cisco.mgmt.cns.config.load"/> <input type="button" value="Remove"/> New Mapping <input type="text"/> <input type="button" value="Add to list"/>
Publisher Mapping <small>(required)</small>	<input type="text" value="cisco.mgmt.cns.config.load"/> <input type="button" value="Remove"/> New Mapping <input type="text"/> <input type="button" value="Add to list"/>

129371

Step 3 Modify all applicable fields, then click **Edit**.

Deleting Events

Step 1 From the Namespace Manager main page, click **Delete Events**.
The Delete Event list page appears (see [Figure 7-6](#)).

Figure 7-6 Event List for Deleting Events

Delete Events From Application : config

Select All

<input type="checkbox"/> cisco.mgmt.cns.config-changed	<input type="checkbox"/> cisco.mgmt.cns.device.disconnect	<input type="checkbox"/> cisco.mgmt.cns.device.connect
<input type="checkbox"/> cisco.cns.config.reboot	<input type="checkbox"/> cisco.mgmt.cns.event.boot	<input type="checkbox"/> cisco.cns.config-changed
<input type="checkbox"/> cisco.cns.config.load	<input type="checkbox"/> cisco.mgmt.cns.inventory.get	<input type="checkbox"/> cisco.mgmt.cns.config.sync-status
<input type="checkbox"/> cisco.cns.device.connect	<input type="checkbox"/> cisco.cns.exec.cmd	<input type="checkbox"/> cisco.cns.exec.reload
<input type="checkbox"/> cisco.mgmt.cns.image.checkServer	<input type="checkbox"/> cisco.mgmt.cns.exec.cmd	<input type="checkbox"/> cisco.mgmt.cns.config.load
<input type="checkbox"/> cisco.mgmt.cns.config.complete	<input type="checkbox"/> cisco.cns.exec.rsp	<input type="checkbox"/> cisco.mgmt.cns.exec.reload
<input type="checkbox"/> cisco.cns.config.id-changed	<input type="checkbox"/> cisco.cns.config.complete	<input type="checkbox"/> cisco.mgmt.cns.exec.rsp
<input type="checkbox"/> cisco.mgmt.cns.image.status	<input type="checkbox"/> cisco.cns.inventory.oir	<input type="checkbox"/> cisco.mgmt.cns.image.deleteRequest
<input type="checkbox"/> cisco.mgmt.cns.config.reboot	<input type="checkbox"/> cisco.mgmt.cns.reloadNotify	<input type="checkbox"/> cisco.mgmt.cns.inventory.device-details
<input type="checkbox"/> cisco.mgmt.cns.config.failure	<input type="checkbox"/> cisco.mgmt.cns.image.deleteResponse	<input type="checkbox"/> cisco.mgmt.cns.image.upgradeRequest
<input type="checkbox"/> cisco.cns.config.sync-status	<input type="checkbox"/> cisco.mgmt.cns.config.warning	<input type="checkbox"/> cisco.mgmt.cns.config-changed.lost

129372

Step 2 Check to select the Event(s) you want to delete, then click **Delete**.

A confirmation box appears.

Step 3 To Delete the selected Event(s), click **OK**.