



Using Inventory

Inventory, or the Inventory Collector software component of HA SM, interfaces with the Device Credentials Repository (DCR) to obtain information about HA devices in the Cisco Mobile Exchange network. HA SM syncs with the DCR to keep the inventory updated. You can initiate inventory data collection when you create, delete, or modify the credentials of an HA device.

This chapter provides information on:

- [Inventory Tasks, page 3-1](#)
- [Managing HA Device Groups, page 3-1](#)
- [Listing HA Devices, page 3-5](#)

Inventory Tasks

You can perform the following tasks by using Inventory:

Table 3-1 HA SM Inventory Tasks

Menu Options	Task	Topic
Group Mgmt	<ul style="list-style-type: none"> • View all devices in an HA device group • Create an HA device group • Modify an HA device group • Delete an HA device group 	<ul style="list-style-type: none"> • Displaying the Devices In an HA Device Group, page 3-3 • Creating an HA Device Group, page 3-3 • Modifying an HA Device Group, page 3-4
List Devices	View all HA devices available on DCR	Listing HA Devices, page 3-5

Managing HA Device Groups

Before you can enable service-activation, you must categorize device entities into a logical group. After you select a group, you can download the service-activation configurations to all the devices in the group.

To manage device groups from HA SM inventory, navigate to **Inventory > Group Mgmt**. The Available Groups dialog box appears with a list of all the HA device groups. (See [Figure 3-1 on page 3-2](#).) Click any column heading to sort the list.

Figure 3-1 Available Groups Dialog Box

The screenshot shows a dialog box titled 'Available Groups Dialog Box' with a close button (X) in the top left. The top right corner indicates 'Showing 3 records'. The main area contains a table with the following data:

	<input type="checkbox"/>	Group Name ▲	Version	Last Modified
1.	<input type="checkbox"/>	group2.1	2.1	Jun 21 2005 22:54:07
2.	<input type="checkbox"/>	t1	2.1	Jun 22 2005 06:03:51
3.	<input type="checkbox"/>	test2.1	2.1	Jun 21 2005 22:53:44

Below the table are three buttons: 'Execute', 'Delete', and 'List'. A vertical ID '138212' is visible on the right side of the dialog box.

The columns in the Available Groups dialog box are:

Column	Description
Group Name	Name of the HA device group. It is not case-sensitive.
Version	Supported versions of HA device. Note All devices in the group must be of the same version.
Last Modified	Date when the group was last modified.

If you change the version, type, or image of any HA device, you must:

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- Step 1** Resubmit the device in RME.
- Step 2** Click the **Get Latest from DCR** button from either:
- **Inventory > Group Mgmt > List Devices**
 - **Inventory > Group Mgmt**, and click the **Execute** button
- Step 3** Recreate the existing groups.
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You can use the Available Groups dialog box to perform these tasks:

Button	Task
List	View all devices in an HA device group. (See Displaying the Devices In an HA Device Group, page 3.)
Execute (without selecting a group)	Create a new HA device group. (See Creating an HA Device Group, page 3.)
Execute (after selecting a group)	Modify an existing HA device group. (See Modifying an HA Device Group, page 4.)
Delete	Delete a HA device group.

Configuring Two Device Groups Simultaneously

You cannot perform operations on two device groups at the same time within the same login session. If you want to perform operations on two device groups simultaneously, open two Internet Explorer browser sessions and log in to CiscoWorks in each window. Access the Service Manager from each browser window and perform the simultaneous operations on the separate groups.

**Note**

Netscape and Mozilla do not allow simultaneous device group configuration. You must use Internet Explorer to perform this operation.

Displaying the Devices In an HA Device Group

To display the devices in a group:

- Step 1** In the CiscoWorks Homepage, choose **HA Service Manger > Inventory > Group Mgmt.**
The Available Groups dialog box appears with a list of all the HA device groups. (See [Figure 3-1 on page 3-2.](#))
- Step 2** Select the group that you want to display, and then click **List**.
A popup window displays all device in that group.
The fields in this popup window are:

Field	Description
Display Name	Display name of the device.
Host Name	Name of the host for the device.
IP Address	IP address of the device.

In the display, the master device is designated by an asterisk (*). To sort the data by any particular column, click the column header once.

Creating an HA Device Group

To create a new device group:

- Step 1** In the CiscoWorks Homepage, choose **HA Service Manger > Inventory > Group Mgmt.**
The Available Groups dialog box appears. (See [Figure 3-1 on page 3-2.](#))
- Step 2** Click **Execute** without selecting a group.
The Select Devices window appears. You can now select devices for the new group. Click any column heading to sort the list.
The fields in this popup window are:

Field	Description
Group Name	Name of the HA device group. It is not case sensitive.
Display Name	Display name of the device.
Host Name	Name of the host for the device.

Field	Description
IP Address	IP address of the device.
Version	Version of the device.
	Note All devices in the group must be of the same version.

Step 3 (Optional) Click **Get Latest from DCR** to get the latest update of all HA devices from the DCR. HA SM does not synchronize any DCR changes that you have made; unless you click this button and recreate existing groups if there are any changes.

For more information on the DCR, see the “Managing Device and Credentials” section in the [User Guide for CiscoWorks Common Services 3.0](#).

Step 4 Select the devices that you want to include in the new group, then click **Next**.

The Select Master Device window appears with all selected devices.

Step 5 Choose one device as the master device in this device group, then click **Finish**.

To cancel this action, click **Cancel**.

A confirmation message appears, and the new group appears in the list.



Note To create duplicate device groups, select a device group and assign a new name to it.

Modifying an HA Device Group

To modify a device group:

Step 1 In the CiscoWorks Homepage, choose **HA Service Manger > Inventory > Group Mgmt**.

The Available Groups dialog box appears. (See [Figure 3-1 on page 3-2](#).)

Step 2 Select the group that you want to modify, then click **Execute**.



Note If the group that you select has inactive members, this message appears:

Group has inactive members <member-device>. Proceeding with group modification will delete these devices from the group. Press Cancel if you don't want to change the group members.

This message appears when you delete a device from the DCR or modify the display name of the device in the DCR.

The Select Devices window appears. Use this window to add devices or remove them from the group. Click any column heading to sort the list.

The fields in this popup window are:

Field	Description
Group Name	Name of the HA device group. It is not case-sensitive.
Display Name	Display name of the device.
Host Name	Name of the host for the device.
IP Address	IP address of the device.
Version	Version of the device.
	Note All devices in the group must be of the same version.

Step 3 (Optional) Click **Get Latest from DCR** to get the latest update of all HA devices from the DCR. HA SM does not synchronize any DCR changes that you have made; unless you click this button and recreate existing groups if there are any changes.

For more information on the DCR, see the “Managing Device and Credentials” section in the *User Guide for CiscoWorks Common Services 3.0*.

Step 4 Select the devices that you want to include or exclude in the group, then click **Next**.
The Select Master Device window displays all selected devices.

Step 5 Choose one device as the master device in this device group, then click **Finish**.
To cancel this action, click **Cancel**.

A confirmation message appears after you modify the group.



Note To create duplicate device groups, select a device group and assign a new name to it.

Listing HA Devices

Use this function to list all the devices in the HA SM inventory. You can also get the latest update from the DCR.

Step 1 Choose **HA Service Manger > Inventory > List Devices**.

A popup window displays all the devices in the HA inventory. (See [Figure 3-2 on page 3-6](#).) Click any column heading to sort the list.

Figure 3-2 List of Devices

Showing 7 records				
	Display Name ▲	Host Name	IP Address	Version
1.	172.18.126.173	172.18.126.173	172.18.126.173	2.1
2.	ha23-1		172.18.126.198	2.1
3.	HA_7200u	ems7200u		2.1
4.	mwam23-2	✘	172.18.126.199	2.1
5.	mwam23-3		172.18.126.200	2.1
6.	mwam23-4		172.18.126.201	2.1
7.	mwam23-5		172.18.126.202	2.1

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The fields in this popup window are:

Field	Description
Group Name	Name of the HA device group. It is not case-sensitive.
Display Name	Display name of the device.
Host Name	Name of the host for the device.
IP Address	IP address of the device.
Version	Version of the device.
	Note All devices in the group must be of the same version.

- Step 2** Click **Get Latest from DCR** to get the latest update of all HA devices from the DCR. HA SM does not synchronize any DCR changes that you have made; unless you click this button and recreate existing groups if there are any changes.

For more information on the DCR, see the “Managing Device and Credentials” section in the [User Guide for CiscoWorks Common Services 3.0](#).