



# Configuring SNMP V1/V2c in Cisco Unified Serviceability

---

- [How to Work with SNMP Community Strings, page 7-1](#)
- [How to Work with SNMP Notification Destinations, page 7-5](#)

## How to Work with SNMP Community Strings

- [Configuring a Community String, page 7-1](#)
- [Finding a Community String, page 7-4](#)
- [Deleting a Community String, page 7-4](#)

## Configuring a Community String

Because the SNMP agent provides security by using community strings, you must configure the community string to access any management information base (MIB) in a Cisco Unified Presence system. Change the community string to limit access to the Cisco Unified Presence system. To add, modify, and delete community strings, access the SNMP Community String Configuration window.

### Before You Begin


Review the SNMP configuration checklist.

### Procedure

---

- Step 1** Select **Snmpp > V1/V2c > Community String**.
- Step 2** Select the required server from the Server list box.
- Step 3** Select **Find**.

**Step 4** Perform one or more of the following actions:

| If you want to:                     | Action  |
|-------------------------------------|---|
| Add a new community string          | <p>a. Select <b>Add New</b></p> <p>b. Go to <a href="#">Step 5</a></p>  |
| Modify an existing community string | <p>a. Search for the community string.</p> <p>b. Select the name of the community string that you want to edit.</p> <p>c. Go to <a href="#">Step 5</a>.</p> <p> <b>Note</b> You cannot change the name of the community string or the server for the community string.</p> |

**Step 5** Enter the community string configuration settings, as described in the table below.

**Table 7-1** *Community String Configuration Settings*

| Field                                     | Description  |
|---|--|
| Server                                    | This setting in the Community String configuration window displays as read only because you already specified your choice of server.   |
| Community String Name                     | <p>Enter a name for the community string. The name can contain up to 32 characters and can contain any combination of alphanumeric characters, hyphens (-), and underscore characters (_).</p> <p><b>Tip</b> Select community string names that will be hard for outsiders to figure out.</p> <p>When you edit a community string, you cannot change the name of the community string.</p> |
| Accept SNMP Packets from any host         | To accept SNMP packets from any host, select this radio button.  |
| Accept SNMP Packets only from these hosts | <p>To accept SNMP only from specified hosts, select this radio button.</p> <p><b>Tip</b> In the Host IP Address field, enter a host from which you want to accept packets and select <b>Insert</b>. Repeat this process for each host from which you want to accept packets. To delete a host, select that host from the Host IP Addresses list box and select <b>Remove</b>.</p>          |

**Table 7-1** Community String Configuration Settings (continued)

| Field              | Description  |
|--------------------|--|
| Access Privileges  | <p>From the list box, select the appropriate access level from the following list:</p> <ul style="list-style-type: none"> <li>• <b>ReadOnly</b>—The community string can only read the values of MIB objects.</li> <li>• <b>ReadWrite</b>—The community string can read and write the values of MIB objects.</li> <li>• <b>ReadWriteNotify</b>—The community string can read and write the values of MIB objects and send MIB object values for a trap and inform messages.</li> <li>• <b>NotifyOnly</b>—The community string can only send MIB object values for a trap and inform messages.</li> <li>• <b>ReadNotifyOnly</b>—The community string can only read the values of MIB objects, send MIB object values for a trap, and inform messages.</li> <li>• <b>None</b>—The community string cannot read, write, or send trap information.</li> </ul> <p><b>Tip</b> To change the Cisco Unified Presence trap configuration parameters, you need to use a community with NotifyOnly or ReadWriteNotify privileges.</p> |
| Apply To All Nodes | Check to apply the community string to all nodes in the cluster.   |

**Step 6** Perform one of the following actions after you complete the configuration:

- a. Select **Save** to save changes to an existing community string.

**Step 7** Perform one of the following actions:

- a. Select **OK** to restart the SNMP master agent service and effect the changes.
- b. Select **Cancel** to continue the configuration without restarting the SNMP master agent.

#### Troubleshooting Tips

- If you are adding a new community string, you can select **Clear All** at any time to delete all information that you entered for all settings.
- Cisco recommends that you wait until you finish all the SNMP configuration before you restart the SNMP master agent service.
- The **Add New** button does not display in the SNMP Community String Configuration window until you select the **Find** button. If no community strings exist and you want to add a community string, select the **Find** button and wait for the window to refresh. The **Add New** button displays.

#### Related Topics

- [SNMP Configuration Checklist, page 6-8](#)
- [Configuring a Community String, page 7-1.](#)
- [Configuring SNMP V3 in Cisco Unified Serviceability, page 8-1](#)

- [Configuring MIB2 System Group in Cisco Unified Serviceability, page 9-1](#)
- [Chapter 5, “Configuring and Viewing Services in Cisco Unified Serviceability.”](#)

## Finding a Community String

### Before You Begin

Review the SNMP configuration checklist.

### Procedure

- 
- Step 1** Select **Snmp > V1/V2c > Community String**.
  - Step 2** Select the specific search criteria that you want to use for the community string from the Find Community Strings where Name list box.
  - Step 3** Enter the community string for which you want to search.
  - Step 4** Select the hostname or IP address of the server where the community string exists in the Server list box.
  - Step 5** Select **Find**.
  - Step 6** If you want to apply the configuration from one of the options in the search results to all nodes in the cluster, check the name of the option and check **Apply to All Nodes**.
  - Step 7** Select the community string that you want to view from the list of results.
- 

### Troubleshooting Tips

- The **Add New** button does not display in the SNMP Community String Configuration window until you select the **Find** button. If no community strings exist and you want to add want a community string, select the **Find** button and wait for the window to refresh. The **Add New** button displays.
- If you use SNMP version 3, see the [“Configuring SNMP V3 in Cisco Unified Serviceability” section on page 8-1](#).

### Related Topics

- [SNMP Configuration Checklist, page 6-8](#)
- [Configuring a Community String, page 7-1](#)

## Deleting a Community String

### Before You Begin

Review the SNMP configuration checklist.

### Procedure

- 
- Step 1** Locate the community string.
  - Step 2** Check the community string that you want to delete from the list of matching records.
  - Step 3** Select **Delete Selected**. A message indicates that the system will delete notification entries that relate to this community string.

- Step 4** Select **OK** to continue the deletion. A message indicates that changes will not take effect until you restart the SNMP master agent.
- Step 5** Perform one of the following actions:
- Select **Cancel** to continue the configuration without restarting the SNMP master agent.
  - Select **OK** to restart the SNMP master agent service.
- 

#### Troubleshooting Tips

We recommend that you wait until you finish all the SNMP configuration before you restart the SNMP master agent service.

#### Related Topics

- [SNMP Configuration Checklist, page 6-8](#)
- [How To Start, Stop, and Restart Services in the Control Center or the Command Line Interface, page 5-5](#)

## How to Work with SNMP Notification Destinations

The following sections apply to SNMP notification destination configuration, depending on the SNMP version that you support:

- [Configuring a Notification Destination for SNMP V1/V2c, page 7-5](#)
- [Finding a Notification Destination for SNMP V1/V2c, page 7-7](#)
- [Deleting a Notification Destination for SNMP V1/V2c, page 7-8](#)

## Configuring a Notification Destination for SNMP V1/V2c

You can configure the notification destination (trap/inform receiver) for V1/V2c.

#### Before You Begin


Review the SNMP configuration checklist.

#### Procedure

---

- Step 1** Select **Snmip > V1/V2c > Notification Destination**.
- Step 2** Select the required server from the Server list box.
- Step 3** Select **Find**.

**Step 4** Perform one or more of the following actions:

| If you want to:                                  | Action   |
|--|--|
| Add a new SNMP notification destination          | <p>a. Select <b>Add New</b></p> <p>b. Go to <a href="#">Step 5</a></p> <p></p> <p><b>Note</b> You configure the notification destination for the server that you select in the Server list box in the Find/List window.</p> |
| Modify an existing SNMP notification destination | <p>a. Locate the notification destination.</p> <p>b. Select the name of the SNMP notification destination that you want to edit.</p> <p>c. Go to <a href="#">Step 5</a>.</p>   |

**Step 5** Enter the configuration settings, for V1/V2c as described in the table below.

**Table 7-2 Notification Destination Configuration Settings for V1/V2**

| Field              | Description   |
|--------------------|---|
| Server             | This setting displays as read only because you already specified the server.  |
| Host IP Addresses  | <p>From the list box, select the Host IP address of the trap destination or select <b>Add New</b>. If you select Add New, enter the IP address of the trap destination.</p> <p>For existing notification destinations, you cannot modify the host IP address configuration.</p>   |
| Port Number        | In the field, enter the notification-receiving port number on the destination server that receives SNMP packets.  |
| V1 or V2C          | <p>From the SNMP Version Information pane, select the appropriate SNMP version radio button, either V1 or V2C, which depends on the version of SNMP that you are using.</p> <ul style="list-style-type: none"> <li>If you select V1, configure the community string setting.</li> <li>If you select V2C, configure the notification type setting and then configure the community string.</li> </ul>  |
| Community String   | <p>From the list box, select the community string name to be used in the notification messages that this host generates.</p> <p>Only community strings with minimum notify privileges (ReadWriteNotify, ReadNotifyOnly, or Notify Only) display. If you have not configured a community string with these privileges, no options appear in the list box. If necessary, select the <b>Create New Community String</b> button to create a community string.</p> |
| Apply To All Nodes | Check to apply the notification destination configuration to all nodes in the cluster.  |

- Step 6** Perform one of the following actions:
- Select **Insert** to save a notification destination.
  - Select **Save** to save changes to an existing notification destination. A message indicates that changes will not take effect until you restart the SNMP master agent.
- Step 7** Perform one of the following actions:
- Select **OK** to restart the SNMP master agent.
  - Select **Cancel** to continue the configuration without restarting the SNMP master agent.
- 

#### Troubleshooting Tips

- If you are adding a new notification destination, you can select **Clear** at any time to delete all information that you entered for all settings.
- Cisco recommends that you wait until you finish the SNMP configuration before you restart the SNMP master agent service.
- The **Add New** button does not display in the SNMP Notification Destination Configuration window until you select the **Find** button. If no notification destinations exist and you want to add want a notification destination, select the **Find** button and wait for the window to refresh. The **Add New** button displays.

#### Related Topics

- [SNMP Configuration Checklist, page 6-8](#)
- [How to Work with SNMP Notification Destinations, page 7-5](#)
- [Finding a Notification Destination for SNMP V3, page 8-7](#)
- [Configuring a Notification Destination for SNMP V3, page 8-5](#)
- [Deleting a Notification Destination for SNMP V3, page 8-8](#)

## Finding a Notification Destination for SNMP V1/V2c

#### Before You Begin

Review the SNMP configuration checklist.

#### Procedure

---

- Step 1** Select **Snmp > V1/V2c > Notification Destination**.
- Step 2** Select the specific search criteria that you want to use to find the notification destination from the Find Notification where Destination IP list box.
- Step 3** Enter the notification destination for which you want to search.
- Step 4** Select the hostname or IP address of the server that supports the notification destination in the Server list box.
- Step 5** Select **Find**.

**Step 6** Perform one or more of the following actions:

| If you want to:   | Action   |
|---|--|
| Apply the configuration from one of the options in the search results to all nodes in the cluster | <p><b>a.</b> Check the name of the option.</p> <p><b>b.</b> Check <b>Apply to All Nodes</b>.</p> |
| View the configuration for one of the items in the search results                                 | Select the item.   |

### Troubleshooting Tips

The **Add New** button does not display in the SNMP Notification Destination Configuration window until you select the **Find** button. If no notification destinations exist and you want to add a notification destination, select the **Find** button and wait for the window to refresh. The **Add New** button displays.

### Related Topics

- [SNMP Configuration Checklist, page 6-8](#)
- [Configuring a Notification Destination for SNMP V1/V2c, page 7-5](#)

## Deleting a Notification Destination for SNMP V1/V2c

### Before You Begin

Review the SNMP configuration checklist.

### Procedure

- 
- Step 1** Locate the notification destination.
- Step 2** Check the notification destination that you want to delete from the list of matching records.
- Step 3** Select **Delete Selected**. A message asks whether you want to delete the notification entries.
- Step 4** Select **OK** to continue the deletion. A message indicates that changes will not take effect until you restart the SNMP master agent.
- Step 5** Perform one of the following actions:
- a.** Select **OK** to restart the SNMP master agent service.
  - b.** Select **Cancel** to continue the configuration without restarting the SNMP master agent.
- 

### Troubleshooting Tips

Cisco recommends that you wait until you finish all the SNMP configuration before you restart the SNMP master agent service.

### Related Topics

- [SNMP Configuration Checklist, page 6-8](#)
- [How To Start, Stop, and Restart Services in the Control Center or the Command Line Interface, page 5-5](#)