



## SNMP V3 setup

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- [SNMP users, page 1](#)
- [SNMP notification destinations, page 4](#)

### SNMP users

This section describes how to set up, find and delete SNMP V3 users.

### Set up SNMP V3 user

You can set up an SNMP user for V3. The following table describes the configuration settings.

**Table 1: Configuration Settings for SNMP User for V3**

Field	Description
Server	This setting displays as read only because you already specified the server.
User Name	In the field, enter the name of the user for which you want to provide access. The name can contain up to 32 characters and can contain any combination of alphanumeric characters, hyphens (-), and underscore characters (_). <b>Tip</b> Enter users that you have already configured for the network management system (NMS). For existing SNMP users, this setting displays as read only.
Authentication Required	Check to require authentication, then enter the password in the Password and Reenter Password fields, and select the appropriate protocol. The password must contain at least 8 characters.
Privacy Required	If you checked Authentication Required, you can specify privacy information. Check to require privacy, and then enter the password in the Password and Reenter Password fields, and select an appropriate protocol. The password must contain at least eight characters.

Field	Description
Accept SNMP Packets from any host	To accept SNMP packets from any host, select the radio button.
Accept SNMP Packets only from these hosts	To accept SNMP packets from specific hosts, select the radio button. In the Host IP Address field, enter a host from which you want to accept SNMP packets and select <b>Insert</b> . Repeat this process for each host from which you want to accept SNMP packets. To delete a host, select that Host from the Host IP Addresses pane and select <b>Remove</b> .
Access Privileges	<p>From the list box, select one of the following options for the access level:</p> <ul style="list-style-type: none"> <li>• <b>ReadOnly</b>—The user can only read the values of MIB objects.</li> <li>• <b>ReadWrite</b>—The user can read and write the values of MIB objects.</li> <li>• <b>ReadWriteNotify</b>—The user 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 user can only send MIB object values for a trap and inform messages.</li> <li>• <b>None</b>—The user cannot read, write, or send trap information.</li> </ul> <p>To change the trap configuration parameters, you need to configure a user with NotifyOnly or ReadWriteNotify privileges.</p>
Apply To All Nodes	Check to apply the user configuration to all nodes in the cluster.

### Before You Begin

Review the tasks in the procedure to set up SNMP.

### Procedure

**Step 1** Select **Snmpp > V3 > User**.

**Step 2** Select the required server from the **Server** list box.

**Step 3** Select **Find**.

**Step 4** To add a new SNMP user, select **Snmpp > V3 > User > Add New** and enter the configuration settings as described in the table above.

**Note** The **Add New** button does not display in the **SNMP User Configuration** window until you select the **Find** button. If no users exist and you want to add want a user, select the **Find** button and wait for the window to refresh. The **Add New** button displays.

**Tip** You can select **Clear All** at any time to delete all information that you entered for all settings.

**Step 5** To modify an existing SNMP user, locate the user, select the name of the SNMP user that you want to edit and enter the configuration settings as described in the table above.

See the SNMP user for V3 configuration settings table for field descriptions.

**Tip** You can select **Clear All** at any time to delete all information that you entered for all settings.

- Step 6** Select **Save** to save changes to an existing user.
- Step 7** Perform one of the following actions when a message indicates that changes will not take effect until you restart the SNMP master agent:
- Select **OK** to restart the SNMP master agent service.
  - Select **Cancel** to continue the configuration without restarting the SNMP master agent.  
Cisco recommends that you wait until you finish the SNMP configuration before you restart the SNMP master agent service.
- Tip** To access this Cisco Unified Communications Manager server that has the user that you configure, make sure that you configure this user on the NMS with the appropriate authentication and privacy settings.
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### Related Topics

- [MIB2 system group](#)
- [Find notification destination for SNMP V3, on page 6](#)
- [Find SNMP user, on page 3](#)
- [Set up SNMP](#)
- [SNMP V1/V2c setup](#)

## Find SNMP user

### Before You Begin

Review the SNMP configuration checklist.

### Procedure

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- Step 1** Select **Snm** > **V3** > **User**.
- Step 2** Select the specific search criteria that you want to use to find the user; for example, begins with.
- Step 3** Enter the user name for which you want to search.
- Step 4** Select the hostname or IP address of the server where you access the user from the **Server** list box.
- Step 5** Select **Find**.  
After you select the **Find** button, the **Add New** button displays. After the search results display, **Apply to All Nodes** displays.
- Tip** The **Add New** button does not display in the **SNMP User Configuration** window until you select the **Find** button. If no users exist and you want to add a user, select the **Find** button and wait for the window to refresh. The **Add New** button displays.
- Step 6** Check the name of the option and check **Apply to All Nodes**.
- Step 7** Select the user that you want to view from the list of results.
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### Related Topics

- [Set up SNMP](#)

[SNMP V1/V2c setup](#)

## Delete SNMP user

### Before You Begin

Review the tasks in the procedure to set up SNMP.

### Procedure

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- Step 1** Locate the SNMP user.
- Step 2** Check the user 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 user.
- 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 **OK** to restart the SNMP master agent service.
  - Select **Cancel** to continue the configuration without restarting the SNMP master agent.  
Cisco recommends that you wait until you finish all the SNMP configuration before you restart the SNMP master agent service.
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### Related Topics

[Services setup and viewing services](#)  
[Set up SNMP](#)

## SNMP notification destinations

This section describes how to set up, find and delete notification destinations for SNMP V3.

### Set up notification destination for SNMP V3

You can configure the trap and inform receiver. The following table describes the notification destination configuration settings for SNMP V3.

**Table 2: Notification Destination Configuration Settings for SNMP V3**

Field	Description
Server	This setting displays as read only because you already specified the server.

Field	Description
Host IP Addresses	From the list box, select the Host IP address or select <b>Add New</b> . If you chose Add New, enter the IP address for the host.
Port Number	In the field, enter the notification-receiving port number on the destination server.
Notification Type	From the list box, select <b>Inform</b> or <b>Trap</b> . <b>Tip</b> Cisco recommends that you select the Inform option. The Inform function retransmits the message until it is acknowledged, thus, making it more reliable than traps.
Remote SNMP Engine Id	This setting displays if you chose Inform from the Notification Type list box. From the list box, select the engine ID or select <b>Add New</b> . If you chose Add New, enter the ID in the Remote SNMP Engine Id field, which requires a hexadecimal value.
Security Level	From the list box, select the appropriate security level for the user. <ul style="list-style-type: none"> <li>• <b>noAuthNoPriv</b>—No authentication or privacy configured.</li> <li>• <b>authNoPriv</b>—Authentication configured, but no privacy configured.</li> <li>• <b>authPriv</b>—Authentication and privacy configured.</li> </ul>
User Information pane	From the pane, perform one of the following tasks to associate or disassociate the notification destination with the user. <ul style="list-style-type: none"> <li>• Select <b>Create New User</b>.</li> <li>• Select the radio button for the user and select <b>Update Selected User</b> to modify an existing user.</li> <li>• Select the radio button for the user and select <b>Delete Selected User</b> to delete a user.</li> </ul> <p>The users that display vary depending on the security level that you configured for the notification destination.</p>
Apply To All Nodes	Check to apply the notification destination configuration to all nodes in the cluster.

### Before You Begin

Review the tasks in the procedure to set up SNMP.

## Procedure

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- Step 1** Select **Snmp > V3 > Notification Destination**.
- Step 2** Select the required server from the **Server** list box.
- Step 3** Select **Find**.
- Step 4** To add a new SNMP notification destination, select **Add New** and configure the settings for V3 as described in the above table.
- Note** The **Add New** button does not display in the SNMP Notification Destination Configuration window until you select the **Find** button. If no users exist and you want to add want a user, select the **Find** button and wait for the window to refresh. The **Add New** button displays.
- Step 5** To modify an existing SNMP notification destination, locate the notification destination, select the name of the SNMP notification destination that you want to edit and configure the settings for V3 as described in the above table.
- Tip** You can select **Clear** at any time to delete all information that you entered for the settings
- Step 6** Perform one of the following actions to save a notification destination:
- Select **Insert**.
  - 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** Select **OK** to restart the SNMP master agent service or select **Cancel** to continue the configuration without restarting the SNMP master agent.
- Note** Cisco recommends that you wait until you finish the SNMP configuration before you restart the SNMP master agent service.
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## Related Topics

- [SNMP V1/V2c setup](#)
- [Services setup and viewing services](#)
- [Find notification destination for SNMP V3, on page 6](#)
- [Set up SNMP](#)
- [MIB2 system group](#)

# Find notification destination for SNMP V3

## Before You Begin

Review the SNMP configuration checklist.

## Procedure

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- Step 1** Select **Snmp > V3 > Notification Destination**.
- Step 2** Select the specific search criteria that you want to use to find the notification destination; for example, begins with.
- Step 3** Enter the IP address or hostname of 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 field.
- Step 5** Select **Find**.  
After you select the **Find** button, the **Add New** button displays. After the search results display, **Apply to All Nodes** displays.
- Note** The **Add New** button does not display in the **SNMP Notification Destination Configuration** window until you select the **Find** button. If no users exist and you want to add want a user, select the **Find** button and wait for the window to refresh. The **Add New** button displays.
- Step 6** Check the name of the option and check **Apply to All Nodes**.
- Step 7** Select the notification destination that you want to view from the list of results.
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## Related Topics

[Set up SNMP](#)

[Set up notification destination for SNMP V3, on page 4](#)

# Delete notification destination for SNMP V3

## Before You Begin

Review the SNMP configuration checklist.

## Procedure

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- Step 1** Locate the SNMP 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 you if you want to delete the notification destination.
- 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 **OK** to restart the SNMP master agent service.
  - Select **Cancel** to continue the configuration without restarting the SNMP master agent.
- Note** Cisco recommends that you wait until you finish the SNMP configuration before you restart the SNMP master agent service.
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**Related Topics**

[Set up SNMP](#)

[Services setup and viewing services](#)

[SNMP notification destinations, on page 4](#)