

Configure Simple Network Management Protocol (SNMP) Engine ID on 300 Series Managed Switches

Objective

Simple Network Management Protocol (SNMP) is an Internet standard protocol used to manage devices on IP networks. SNMP was designed to provide a method that centralizes the management of TCP/IP-based networks. An SNMP engine ID is used to uniquely identify each SNMPv3 entity on a network. 300 Series Managed Switches can function as an SNMPv3 entity and therefore need to have an engine ID if you want to utilize the functions provided by SNMP.

This article explains how to configure an SNMP Engine ID on 300 Series Managed Switches.

Note: SNMP is disabled by default and must be turned on before you can utilize the SNMP features of the switch. On the web configuration utility, choose **Security > TCP/UDP Services** and check if SNMP Services are enabled. For more information, refer to the article [View TCP/UDP Service Status on 200/300 Series Managed Switches](#).

Applicable Devices

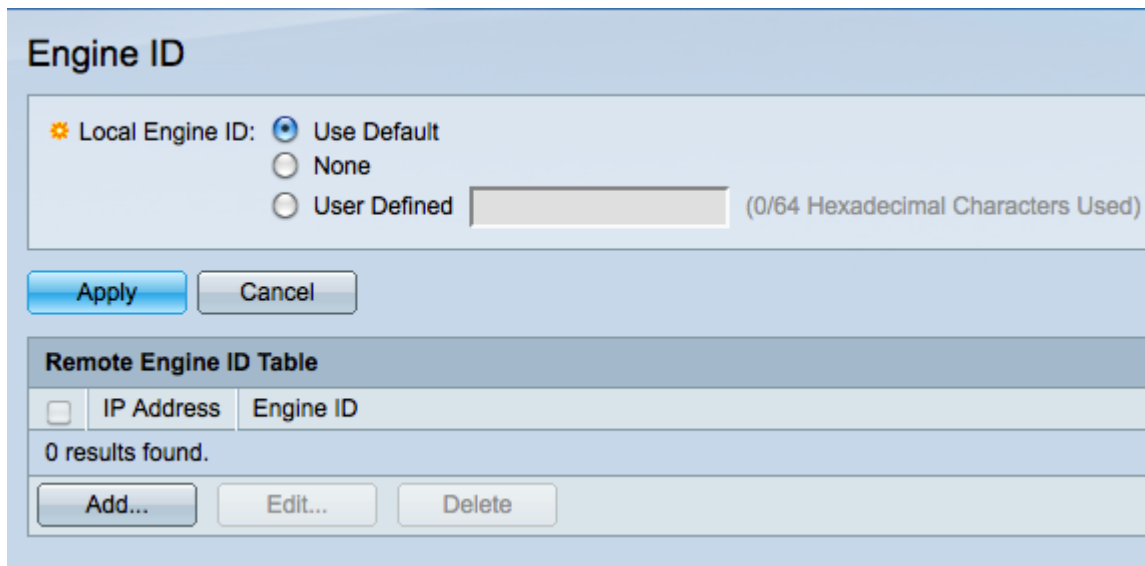
- SF/SG 300 Series Managed Switches

Software Version

- 1.3.0.62

Configure SNMP Engine ID

Step 1. Log in to the web configuration utility and choose **SNMP > Engine ID**. The *Engine ID* page opens:



Engine ID

Local Engine ID: ☒ Use Default
☐ None
☐ User Defined (0/64 Hexadecimal Characters Used)

Remote Engine ID Table

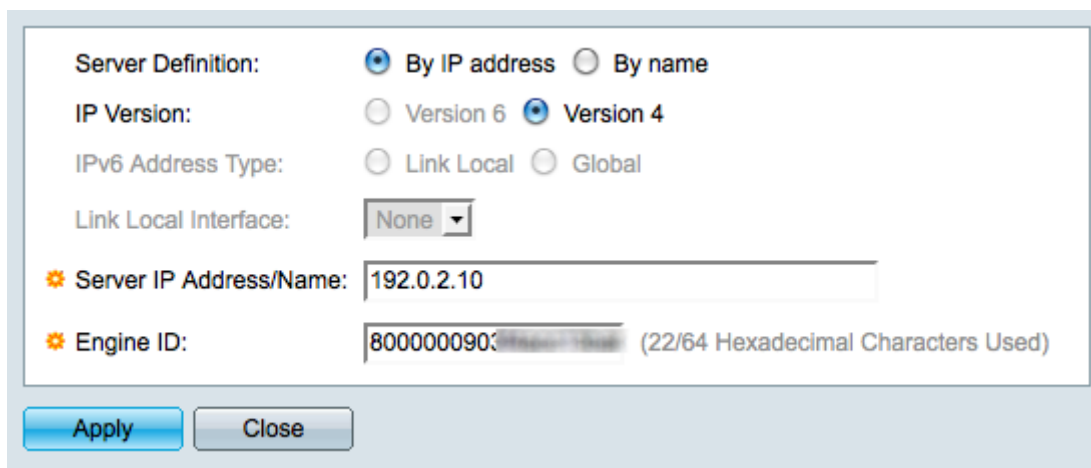
<input type="checkbox"/> IP Address	Engine ID
0 results found.	

Step 2. Click the desired *Local Engine ID* radio button to define the local engine ID. This is the engine ID of the switch.

- Use Default — The default Engine ID is based on the MAC address of the switch.
- None — No Engine ID is used.
- User Defined — Manually enter the engine ID of the switch. The engine ID needs to be entered in hexadecimal format.

Step 3. Click **Apply** to save your changes.

Step 4. Click **Add** in the Remote Engine ID Table to map the IP address to the engine ID of an SNMP server. The *Add Remote Engine ID* window appears.



Server Definition: ☒ By IP address ☐ By name

IP Version: ☐ Version 6 ☒ Version 4

IPv6 Address Type: ☐ Link Local ☐ Global

Link Local Interface:

Server IP Address/Name:

Engine ID: (22/64 Hexadecimal Characters Used)

Step 5. Click the radio button that corresponds with the method used to define the SNMP server in the Server Definition field. The server is the device that monitors SNMP data.

- By IP Address — Define the SNMP server with an IP address.
- By Name — Define the SNMP server with a domain name. If you choose this option, skip ahead to Step 9.

Step 6. Click the appropriate radio button to determine which IP version to use to locate the SNMP server in the *IP Version* field. If you click Version 4, skip ahead to Step 9.

Step 7. Click the appropriate radio button that specifies the address type in the *IPv6 Address Type* field.

- Link Local — A link local address is a private IP address and is not visible to outside networks.
- Global — A global Unicast IPv6 address is a public IP address and is available from other networks. If you click Global, skip ahead to Step 9.

Step 8. Choose a link local interface from the *Link Local Interface* drop-down list. Since link local addresses are private, the link local interface is the only source that is able to reach the link local address.

Step 9. Enter the IP address or domain name of the SNMP server to be mapped to the engine ID in the *Server IP Address/Name* field.

Step 10. Enter the engine ID in hexadecimal format in the *Engine ID* field. The engine ID should correspond with the same device that the IP address or domain name refers to.

Step 11. Click **Apply** to save the settings and then click **Close** to exit the *Add Remote Engine ID* window. The Remote Engine ID Table should be updated.

Remote Engine ID Table		
<input type="checkbox"/>	IP Address	Engine ID
<input type="checkbox"/>	192.0.2.10	800000090
Add... Edit... Delete		

Step 12. (Optional) Check the check box of the desired SNMP server and click **Edit** to change the IP address or Engine ID of the SNMP server.

Step 13. (Optional) Check the check box of the desired SNMP server and click **Delete** to remove the entry from the Remote Engine ID Table.