



# SNMP Config Mode Command Reference

- [snmp-trapper](#), on page 1
- [snmp-trapper source-ip-routes](#), on page 2
- [snmp-trapper source-ip-routes source-external-vips](#), on page 2
- [snmp-trapper v2c-target](#), on page 3
- [snmp-trapper v3-target](#), on page 3

## snmp-trapper

Configures the SNMP trapper.

### Command Modes

Exec > Global Configuration

### Syntax Description

**snmp-trapper enable { false | true } v3-engine-id** *v3\_engine\_id*

#### **enable { false | true }**

Specify to enable or disable the SNMP trapper.

Must be one of the following:

- **false**
- **true**

Default Value: false.

#### **v3-engine-id** *v3\_engine\_id*

Specify the source engine ID for v3 traps as hex string. For example, 80004f.

Must be a string of 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 50, 52, 54, 56, 58, 60, 62, or 64 characters in the pattern [0-9a-fA-F]\*.

### Usage Guidelines

Use this command to configure the SNMP trapper.

## snmp-trapper source-ip-routes

Enables the binding to source IP for SNMP routing.

**Command Modes** Exec > Global Configuration

**Syntax Description** `snmp-trapper enable { false | true } source-ip-routes { internal-vip vip_address | default-external-vip vip_address }`

### **default-external-vip vip\_address**

Specify the default external Virtual IP address for source IP routing.

Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.

### **internal-vip vip\_address**

Specify the internal Virtual IP address for source IP routing.

Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.

**Usage Guidelines** Use this command to enable the binding to source IP for SNMP routing.

## snmp-trapper source-ip-routes source-external-vips

Configures the source external VIP routing by namespace.

**Command Modes** Exec > Global Configuration

**Syntax Description** `snmp-trapper enable { false | true } source-ip-routes source-external-vips { namespace external-vip vip_address }`

### **external-vip vip\_address**

Specify the external Virtual IP address for source IP routing.

Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.

### **namespace**

Specify the namespace for routing.

Must be a string.

**Usage Guidelines** Use this command to configure the source external Virtual IP address routing by namespace.

## snmp-trapper v2c-target

Configures the list of SNMP v2c trap receivers.

**Command Modes** Exec > Global Configuration

**Syntax Description** `snmp-trapper enable { true } v2c-target { url | community snmp_trap_community | port port_number }`

**community snmp\_trap\_community**

Specify the SNMP trap receiver community.

Must be a string.

Default Value: public.

**port\_number**

Specify the port number of the SNMP trap receiver port.

Must be an integer in the range of 0-65535.

Default Value: 162.

**url**

Specify the SNMP trap receiver hostname or IP address.

Must be a string.

**Usage Guidelines** Use this command to configure the list of SNMP v2c trap receivers.

## snmp-trapper v3-target

Configures the list of SNMP v3 trap receivers.

**Command Modes** Exec > Global Configuration

**Syntax Description** `snmp-trapper enable { true } v3-target { url port port_number user-name user_name auth authentication_protocol auth-key authentication_key priv privacy_protocol priv-key privacy_key }`

**auth-key authentication\_key**

Specify the key to the authentication protocol.

Must be a string of 8-maximum characters.

**auth authentication\_protocol**

Specify the authentication protocol to be used.

Must be one of the following:

- **md5**: HMAC-MD5-96 authentication protocol is used.
- **none**: No authentication is used.
- **sha**: HMAC-SHA-96 authentication protocol is used.

Default Value: none.

**priv-key *privacy\_key***

Specify the privacy key.

Must be a string of 8-maximum characters.

**priv *privacy\_protocol***

Specify the privacy protocol to be used.

Must be one of the following:

- **aes192**: AES-CFB (192 bits) protocol is used.
- **aes256**: AES-CFB (256 bits) protocol is used.
- **aes**: AES-CFB (128 bits) protocol is used.
- **des**: CBC-DES protocol is used.
- **none**: No privacy is used.

Default Value: none.

**user-name *user\_name***

Specify the SNMP trap receiver user name.

Must be a string.

**port\_number**

Specify the port number of the SNMP trap receiver port.

Must be an integer in the range of 0-65535.

Default Value: 162.

**url**

Specify the SNMP trap receiver hostname or IP address.

Must be a string.

---

**Usage Guidelines**

Use this command to configure list of SNMP v3 trap receivers.