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Chapter 1 SNMP Configuration

1.1 Network Management Operation Logging Configuration

1.1.1 Introduction to Network Management Operation Logging Function

Existing log management systems only log configuration commands executed on terminals (or through TELNET) instead of the operations performed by SNMP network administrators.

The network management operation logging function logs operations performed remotely by administrators through SNMP (simple network management protocol), such as querying (the **get** command)/setting (the **set** command) device status.

1.1.2 Configuring the Network Management Operation Logging Function

Table 1-1 Configure the Network Management Operation Logging Function

Operation	Command	Description
Enter system view	system-view	—
Enable the network management operation logging function	snmp-agent { set-operation get-operation all } log	Optional By default, the network management operation logging function is disabled.

Note:

- In a network that contains no fabric, you can use the **display logbuffer** command to view the logs of the **get** and **set** operations performed by the network administrator.
- As for a fabric, you can execute the **display logbuffer** command on the master device to view the logs of the **set** operations performed by the network administrator, and execute the **display logbuffer** command on the devices to which the **get** operations are performed to view the logs of corresponding **get** operations.

1.2 The Newly Added Display Command

You can execute the **display snmp-agent trap-list** command in any view to view the modules with trap enabled and the module with trap not enabled.

Chapter 2 SNMP Configuration Commands

2.1 Configuration Commands for the Network Management Operation Logging Function

2.1.1 display snmp-agent trap-list

Syntax

display snmp-agent trap-list

View

Any view

Parameter

None

Description

Use the **display snmp-agent trap-list** command to display trap list information.

Related command: **snmp-agent trap enable**.

Example

Display the trap list information.

```
<Quidway> display snmp-agent trap-list
configuration trap enable
flash trap enable
ospf trap enable
standard trap enable
system trap enable
vrrp trap enable
```

Enable traps :6; Disable traps 0

2.1.2 snmp-agent log

Syntax

snmp-agent log { set-operation | get-operation | all }

undo snmp-agent log { set-operation | get-operation | all }

View

System view

Parameter

set-operation: Logs the **set** operations performed by the network administrator.

get-operation: Logs the **get** operations performed by the network administrator.

all: Logs both the **get** and **set** operations performed by the network administrator.

Description

Use the **snmp-agent log** command to enable the network management operation logging function.

Use the **undo snmp-agent log** command to disable the network management operation logging function.

By default, the network management operation logging function is disabled.

Note:

- In a network that contains no fabric, you can use the **display logbuffer** command to view the logs of the **get** and **set** operations performed by the network administrator.
 - As for a fabric, you can execute the **display logbuffer** command on the master device to view the logs of the **set** operations performed by the network administrator, and execute the **display logbuffer** command on the devices to which the **get** operations are performed to view the logs of corresponding **get** operations.
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Example

Enable the network management operation logging function.

```
<Quidway> system-view
```

```
System View: return to User View with Ctrl+Z.
```

```
[Quidway] snmp-agent log all
```