

Adding Cisco Traps in NetView and HP OpenView

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Introduction

This document provides details and examples about how to add and modify traps in Netview and HP OpenView.

Prerequisites

Requirements

There are no specific requirements for this document.

Components Used

The information in this document is based on these software versions:

- HP OpenView 4.1 and later
- IBM NetView 5.1 and later

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

Conventions

Refer to Cisco Technical Tips Conventions for more information on document conventions.

To Add Cisco Traps

The most recent versions of the popular network management system (NMS) applications load traps in the event management portion when you load the MIBs (refer to MIB Compilers and Loading MIBs). This method is by far the easiest, but you can also load only the traps directly into the NMS if you follow this procedure:

1. Download the latest Cisco Network Management Integration Data Bundle (NMIDB) from the CiscoView Planner (registered customers only) .
2. Get the trapd.41x Cisco traps definition file, which resides in the /traps directory of the archive.

This file contains trap definitions for HP OpenView and IBM NetView.

3. Merge the trapd.41x file with your existing trapd.conf file.

To do so in HP OpenView, use the **xnmevents** command. To do so in IBM NetView, use the **nvaddtrapdconf** command. Consult your HP or IBM documentation for more details, as the products can change.

To Add or Modify Traps

In both HP OpenView and IBM NetView, you can add and modify traps with the GUI, which you can access with either of these methods:

- Type **xnmtrap** at the command line.
- From the menu, choose **Options > Event customization > Trap customization: SNMP**.

Example

This example uses the GUI to add the **demandNbrCallInformation** trap in CISCO-ISDN-MIB_V1SMI.my.

Bring up the GUI and look for the name of the enterprise in the top area. In this example, the name is `cisco-isdn`. Next, complete these steps:

1. If the enterprise is not present, choose **Add**.
2. Type the relevant details in the Enterprise Name and Enterprise ID fields.

In this case, `cisco-isdn` is the enterprise name and `1.3.6.1.4.1.9.9.26.2` is the enterprise ID.

3. Click **Add** when you are done.
4. Highlight the enterprise in the top area (which is `cisco-isdn` in this example).
5. If the name of the trap is not in the bottom area, click **Add** and complete the fields.

For this example:

- ◆ Event name is `demandNbrCallInformation`.
- ◆ The trap is enterprise-specific.
- ◆ The specific trap number is 1.
- ◆ This description is taken from the MIB:

```
This trap-inform is sent to the manager whenever a successful call clears, or a failed call attempt is determined to have ultimately failed. In the event that call retry is active, then this is after all retry attempts have failed. However, only one such trap is sent in between successful call attempts; subsequent call attempts result in no trap.
```

- ◆ Leave the Event Source field blank.
- ◆ You can configure the Event Category, Status, and Severity fields. (Click **Help** or look at the HP OpenView or IBM NetView documentation for an explanation of these fields.)
- ◆ You can configure the Event Log Message field, but you can complete this information in this

example as:

```
Trap received from enterprise $E with $# arguments:  
demandNbrLogIf=$1;  
demandNbrNAME=$2;  
demandNbrAddress=$3;  
demandNbrLastDuration=$4;  
demandNbrClearReason=$5;  
demandNbrClearCode=$6
```

- ◆ The Popup Notification and Command for Automatic Action fields are optional and are described in the HP OpenView or IBM NetView documentation.

6. Click **Add** when you are done.

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NetPro Discussion Forums – Featured Conversations for Network Management
Network Infrastructure: Network Management
Virtual Private Networks: Network and Policy Management

Related Information

- **MIB Compilers and Loading MIBs**
- **Network Management Product Support**
- **Network Management Technology Support**
- **Technical Support & Documentation – Cisco Systems**

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