CISCO ™

Configuring the snmpTrapHandler Process Technical Reference

Introduction

Prior to SR 6.0, the snmpTrapHandler process on the DNCS processed every trap that came into the system. Because this presented a potential security risk for the system, Cisco® engineers implemented filters in the snmpTrapHandler process so that it now processes only configured traps.

Cisco facilitates configuring these traps through a command line configuration tool called **config_snmp_users**. This document describes how to use the config_snmp_users tool.

Document Version

This is the first formal release of this document.

Configure the snmpTrapHandler for SR 6.0

1 Log into the DNCS as **dncs** user.

2 Enter the following command.

   `cd /dvs/dncs/Utilities`

3 Enter **pwd** to confirm that you are in the /dvs/dncs/Utilities directory.

4 Enter `./config_snmp_users`.

   Note: A dot precedes /config_snmp_users.

   Result: Output similar to the following appears.

   Important: This output shows that no SNMP traps have been configured on the system. If output similar to what appears in step 12 is displayed instead, then SNMP traps are already configured and no further action needs to be taken.

```
###################################
Current users:
    No known users/communities.


Pending users:
    No new users/communities pending.
#############################


  a  Add a new user/community
  d  Delete a current user/community
  l  List known users/communities
  c  Clear all pending actions
  q  Quit


Option <q>:
```

5 Select option **a** to add a new user/community.

   Result: Output similar to the following appears.

```
User/Community name: public


  1  v1
  2  v2c
  3  v3
  q  quit
##### The snmpTrapHandler must be bounced for changes to take affect
```

6   Select the option that pertains to the version of snmpTrapHandler that you are running.

   Note: Refer to the **SnmpAgent - TrapConfiguration Page** section in *Universal Session and Resource Manager (USRM) with VOD Session Manager Installation Guide* (part number 4039132) for additional information on trap versions and trap configurations. The system defaults to version v1 traps.

   Example: Enter **1** for v1.

   Result: Output similar to the following appears.

   ```
   a  Add a new user/community
   d  Delete a current user/community
   l  List known users/communities
   c  Clear all pending actions
   q  Quit


   Option <q>
   ```

7   Select option **l** to list known users/communities.

   Result: Output similar to the following appears.

   ```
   ###################################
   Current users:
       No known users/communities.


   Pending users:
         Version    User/Community
         -------    --------------
            v1     public
   ###################################

      a  Add a new user/community
      d  Delete a current user/community
      l  List known users/communities
      c  Clear all pending actions
      q  Quit


   Option <q>:
   ```

8   Select option **q** to quit.

9   Enter **dncsControl -stop snmpTrapHandler** to stop the snmpTrapHandler process.

   Result: The process takes a few minutes to stop. Initial output may only show it *stopping*.

   ```
   Setting snmpTrapHandler to stopped .. newState = . stopping
   ```

10 Repeat this command in a few minutes to ensure that the process has stopped. Enter **dncsControl -stop snmpTrapHandler**.

```
Setting snmpTrapHandler to stopped ... newState = stopped
```

11 When **newState = stopped**, enter **dncsControl -start snmpTrapHandler** to restart the process.

Result: Output similar to the following will appear.

```
Setting snmpTrapHandler to running ..newState = . running
```

12 Enter **./config_snmp_users** to confirm that the pending community has been added.

Result: Output similar to the following will appear.

```
####################################
Current users:
        Version    User/Community
        -------    --------------
            v1    public


Pending users:
    No new users/communities pending.
#################################


  a  Add a new user/community
  d  Delete a current user/community
  l  List known users/communities
  c  Clear all pending actions
  q  Quit


Option <q>:
```

13 Select option **q** to quit.

For More Information

If you have additional technical questions, call Cisco Services at 770 236-2200 or 866 787-3866 for assistance. Follow the menu options to speak with a service engineer.