

Subject: SNMP for IRIS DVS

Hardware: All Configurations

Software: IRIS DVS XP Embedded Image from May 2010 and Later, and all Full Windows XP-based IRIS DVS Software

Release Date: 08/30/10

SUMMARY

Simple Network Management Protocol (SNMP) is a UDP-based network protocol. It is used mostly in network management systems to monitor network-attached devices for conditions that warrant administrative attention. SNMP exposes management data in the form of variables on the managed systems. Using an SNMP browser at a remote location the remote user can query the IRIS DVS to view the system configuration and sometimes set system configurations.

Currently the IRIS DVS only supports the Windows XP set of information elements. This document will outline how to set up the IRIS DVS for SNMP and how to configure the various elements.

You need to know the following information before you install the Simple Network Management Protocol (SNMP) service on the IRIS DVS:

- Community names in your network.
- Trap destinations for each community.
- IP addresses and computer names for SNMP management hosts.

PROCEDURE

Initially the IRIS DVS is shipped with most ports disabled by the firewall. The first thing to do is to enable UDP port 161 on the IRIS DVS.

1. Go to the Windows desktop and then select the Windows Control Panel.
2. From the Control Panel select the Windows Firewall.
3. On the Windows Firewall screen select the Exceptions tab.
4. Select the "Add a Port.." button.
5. For the Name field enter "SNMP Agent".
6. For the Port Number field enter "161".
7. Select the UDP radio button and then Press OK.

8. On the Windows Firewall screen select “OK” to close the firewall and save the changes.

Once the firewall has been configured you need to enable the SNMP agent software server.

1. From the Windows desktop select the run button and select “Services.mcs” alternatively if the ‘services.mcs’ shortcut does not exist go to the Windows Control Panel, select “Administrative Tools”. On the Administrative Tools window double-click on “services” to bring up the Services window.
2. Scroll down the list of services to the “SNMP Service” and double-click on the SNMP Services.
3. Select the “Security Tab”.
4. Under Accepted Community click “Add” and add the valid community names and the associated rights for your network.
5. Configure the DVS to accept packets from all host or to limit the acceptable devices by selecting “Accept SNMP packets from any host” or “Accept SNMP packets from these host” and then press “Add” to enter valid host.
6. Select the “Agent” tab.
7. Enter the contact name and location of the DVS, and select the functions that the SNMP agent should monitor at the DVS.

That should provide the basic set-up for the SNMP agent in the DVS.

At your remote location you will need a SNMP Management Information Browser to query the DVS and retrieve status. SNMP Browser software is commercially available from various sources and there are also free non-licensed versions available.