

Description: Guide to installing and configuring the Microsoft Windows SNMP Agent.

OS Requirements: Win 2000, XP Pro, Server 2003, Vista, Server 2008, Windows 7

General Requirements: GENESIS32 9.x and the original Windows Installation CD.

Introduction

Simple Network Management Protocol (SNMP) is a communication standard that facilitates the exchange of network information between SNMP enabled devices. An SNMP network consists of a Network Management System (NMS), Managed Devices, and Agents. An NMS would monitor or control managed devices that provide SNMP information through the agents.

Here is how SNMP works with GENESIS32. You can consider ICONICS GENESIS32 V9 as an NMS. The Managed Devices are your routers, printers, servers, etc. The Agents are software on the managed devices that provide management information.

This document will walk you through the steps of installing and setting up your SNMP services from windows.

Installing the MS Windows SNMP Agent

1. Insert your original Microsoft Windows CD into your CD-ROM Drive. Cancel out of any popup windows.
2. Open Add or Remove Programs from the Control Panel. On Windows7 it is called “Programs and Features”

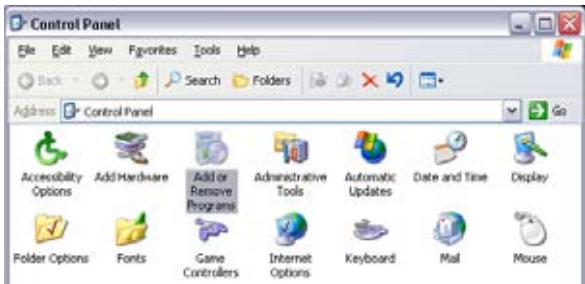


Figure 1 - Add or Remove Programs Icon

3. Click on the Add/Remove Windows Components button on the left-hand panel. On Windows7 it is called “Turn Windows features on or off”

4. Highlight Management and Monitoring Tools and click on Details. On Windows7 skip this step.



Figure 2 - Windows Components Wizard Window

5. Check the Box next to Simple Network Management Protocol. Click on “OK”.

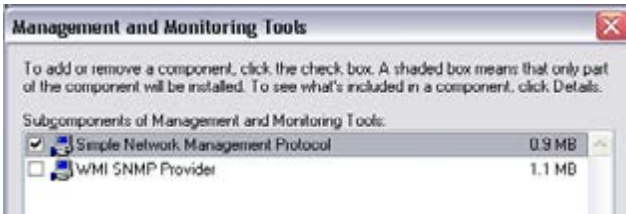


Figure 3 - Management and Monitoring Tools Window

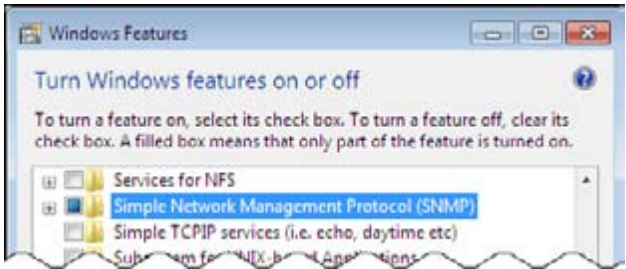


Figure 4 - Turn Windows Features on or off (Windows7)

6. Click on “Next” in the Windows Component Wizard Window. On Windows7 click OK.

NOTE: When prompted to locate the Windows CD and specific files, look under the \I386 folder on the CD.

7. Click on “Finish” and close the Add or Remove Programs Window.

Configuring the MS Windows SNMP Agent Service: SNMP Data

1. Go to Start → Programs → Control Panel → Administrative Tools → Services.
2. Select SNMP Service and open the properties page by right-clicking on it and select Properties.

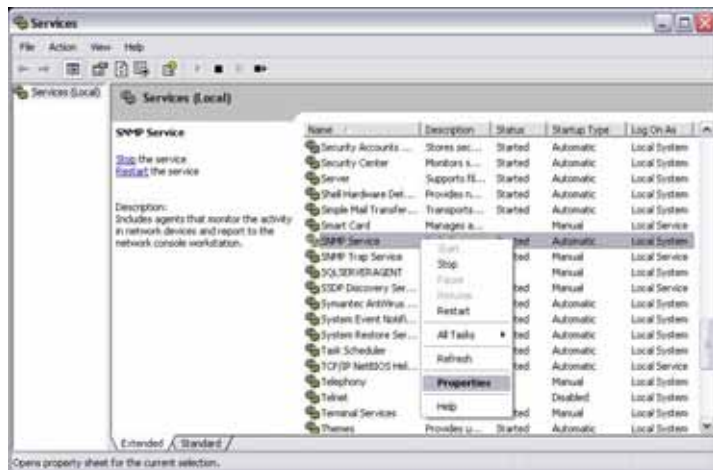


Figure 5 - Select the SNMP Service Properties

3. Select the Security Tab.
4. Add the community names for the devices from which you would like to receive SNMP data. Specify Community Rights as well.

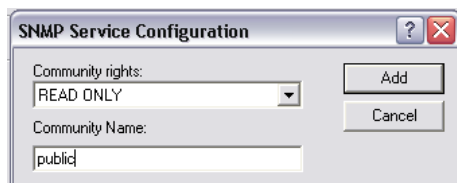


Figure 6 - Set "public" as the Read Community

NOTE: The default read only community for most devices is "public". The ICONICS SNMP Simulator publishes in this community. The default read/write community for most devices is "private".

5. Add the Host Name or IP addresses of devices you wish to receive SNMP packets from by using the "Add..." button in the lower section. You can also choose to accept SNMP packets from any host.

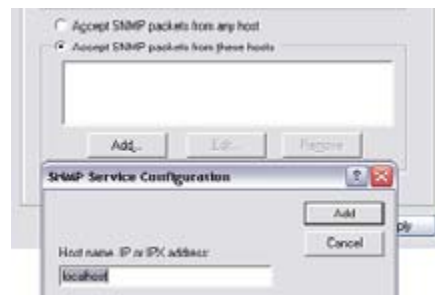


Figure 7 - Add the Host Name or IP Address of SNMP Enabled Devices

6. Click on "OK" to close the properties window.
7. Restart the SNMP service by selecting it and clicking the restart service button  on the top toolbar.
8. There is also a SNMP Trap Service in the Services manager. You will need to disable this service.
9. Close the services browser.

Configuring the MS Windows SNMP Agent Service: SNMP Simulator Traps

1. Open Administrative Tools from the Control Panel.
2. Select SNMP Service and open its properties page by right clicking (Figure 5) on it and selecting Properties.
3. Click on the Traps Tab.
4. Type "public" under community name and click Add to list.
5. Click on "Add..." at the bottom of the window and add "localhost" and the DNS name of your PC



Figure 8 - add "localhost" and the PC's DNS Name

6. Click on "OK" to close the properties window.
7. Restart the SNMP service by selecting it and clicking the restart service button  on the top toolbar.
8. Close the services browser.