

# OPC SNMP Server 1.0

DE OPC SNMP server software supports diagnosis and parameterization of any SNMP devices. Data transfer with these devices is processed by the OPC server using SNMP protocol. The Server provides operators with a real time view of the health of their Ethernet network devices, traffic volume and also network status within the software environment. The SNMP protocol is typically used in the IT networking environment and is useful for diagnosing network problems. SNMP 1.0 is a Server that can interface with any OPC client software.

The screenshot displays the OPC SNMP Server 1.0 interface, which includes several windows for monitoring and configuration:

- Diagnosics and Setup Tool (Main Window):** Features a menu bar (File, Help) and tabs for 'Diagnosics' and 'Setup'. It includes a tree view on the left for 'CRTLink1' with sub-items: system, interfaces, ip, and icmp. A central table lists 'CRT Groups' with columns for Object ID, Object Name, and Description.
- Group ID Dialog:** A small window with a 'Group ID' field containing the value '1.3.6.1.2.1.5'. It has a close button in the top right corner.
- Group Settings Window:** Shows a tree view with 'CRTLink1' selected. Below it, a table displays monitoring data for 'CRTLink1' with columns: Item Name, Unit, Value, Quality, Timestamp, and AccessRights.
- Event Logger Window:** A table at the bottom of the interface recording system events with columns: Type, Timestamp, Source, and Description.

Object ID	Object Name	Description
.1.3.6.1.2.1.5.1.0	icmp.icmplnMsgs.0	Item Desc
.1.3.6.1.2.1.5.2.0	icmp.icmplnErrors.0	Item Desc
.1.3.6.1.2.1.5.8.0	icmp.icmplnEchos.0	Item Desc
.1.3.6.1.2.1.5.9.0	icmp.icmplnEchoReps.0	Item Desc
.1.3.6.1.2.1.5.14.0	icmp.icmpOutMsgs.0	Item Desc
.1.3.6.1.2.1.5.15.0	icmp.icmpOutErrors.0	Item Desc

  

Item Name	Unit	Value	Quality	Timestamp	AccessRights
CRTLink1/system/s...	Octet	0	badNot...	16-04-2008 10:05:34	Read/Write
CRTLink1/system/s...	Octet	0	badNot...	16-04-2008 10:05:34	Read/Write
CRTLink1/system/s...	Ticks	0	badNot...	16-04-2008 10:05:34	Read/Write
CRTLink1/system/s...	Octet	0	badNot...	16-04-2008 10:05:34	Read/Write
CRTLink1/system/s...	Octet	0	badNot...	16-04-2008 10:05:34	Read/Write
CRTLink1/system/s...	Octet	0	badNot...	16-04-2008 10:05:34	Read/Write
CRTLink1/system/s...	int32	0	badNot...	16-04-2008 10:05:34	Read/Write

  

Type	Timestamp	Source	Description
MESSAGE	16-04-2008 10:03:58	MONITOR	Connected with the Station - LocalHost
MESSAGE	16-04-2008 10:04:44	DIAGNOSTICS	Disconnected from the station - LocalHost
MESSAGE	16-04-2008 10:05:29	MONITOR	Connected with the Station - LocalHost
MESSAGE	16-04-2008 10:05:37	MONITOR	Fetching data...
MESSAGE	16-04-2008 10:05:37	MONITORING	Monitoring Started
MESSAGE	16-04-2008 10:05:38	MONITOR	Updating Item Informations...
MESSAGE	16-04-2008 10:05:39	MONITORING	Monitoring Stopped

# Product Features

## Features

- SNMP Network Analyst
- MIB Template Generator
- DataViewer
- Diagnostic and Logging Options
- Flexible Client Application Connectivity Options
  - Extensive Client Options
  - Multiple Client Connections
- Common User Experience
  - Standards based configuration
  - Load and Save Options
- Extensive Tag Management Options
  - Customizable Tag List
  - Flexible Tag Level Options
  - Enforce Tag Level Security
- Dedicated Device Connectivity
  - Dedicated Software Connection
  - Multiple Device Support
- Tag Database and Browsing Options
  - All OPC Browsing Methods Supported
  - XML File Import/Export

## Software and Hardware

### Software

- Operating Systems
  - Windows NT
  - Windows 2000
  - Windows XP

### Hardware

- Minimum
  - Pentium 400 MHz CPU
  - 32 MB RAM
  - 10 MB of Free Hard Drive Space
- Recommended
  - Pentium 800 MHz CPU
  - 64 MB RAM
  - 10 MB of Free Hard Drive Space
- Network
  - IEEE 802.3 complaint Ethernet networks with SNMP manageable devices
- HMI
  - Any OPC enabled HMI

## Applications

- Real time Network Analysis
- Power Supply Management
- Unmanaged Device Monitoring



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