



Simple Network Management Protocol (SNMP)

Simple Network Management Protocol (SNMP) is an application layer protocol (part of the TCP/IP protocol suite); and the de facto standard for network management. SNMP enables the exchange of management information between network devices in a relatively simple way, thus facilitating easy incorporation of the protocol into vendors products. This easy incorporation has seen SNMP become a widely available protocol which can enable network managers and administrators to manage network performance, find faults and assess network usage, thus allowing for future network planning.

Adding the SNMP communications task to your SCADA system will make data values (status, telemetry and text) from these network devices available in the SCADA database and on WorldView displays, and allow SCADA to generate alarms from them.

Advantages of SNMP:

- The largest advantage to using SNMP is its simple design, therefore facilitating easy implementation on a large network. This simple design also makes it easy for a user to program variables they would like to have monitored.
- Another advantage of SNMP is its widespread use. The result of this is that almost all major vendors of internetwork hardware, such as bridges and routers, design their products to support SNMP, making it very easy to implement.
- Expandability is another benefit of SNMP. Because of its simple design, it is easy for the protocol to be updated so that it can expand to the needs of users in the future.