

It stands for Simple Network Management Protocol (SNMP)

If an organization has 1000 of devices then to check all devices, one by one every day, are working properly or not is a hectic task. To ease these up, Simple Network Management Protocol (SNMP) is used.

Simple Network Management Protocol

SNMP is a Application Layer protocol which uses UDP port number 161 / 162. SNMP is used to monitor the network, detect network fault and Sometimes even used to configure remote devices.

SNMP Components:-

SNMP Manager :-

SNMP Agent :-

Management Information Base :-

1. SNMP Manager is a software management software module installed on a managed device.

2. SNMP Agent is a software devices can be network devices like PC, router, switches, servers etc.

3. MIB Consists of information of resources that are to be managed. These information is organised hierarchially.

Authentication:

Authentication is the process of determining whether someone or something is, in fact, who or what is declares itself to be. Authentication technology provides access control for systems by checking to see if a user's credentials match the credentials in a database of authorized users or in a data authentication server.