
Configuring SBC for SNMP

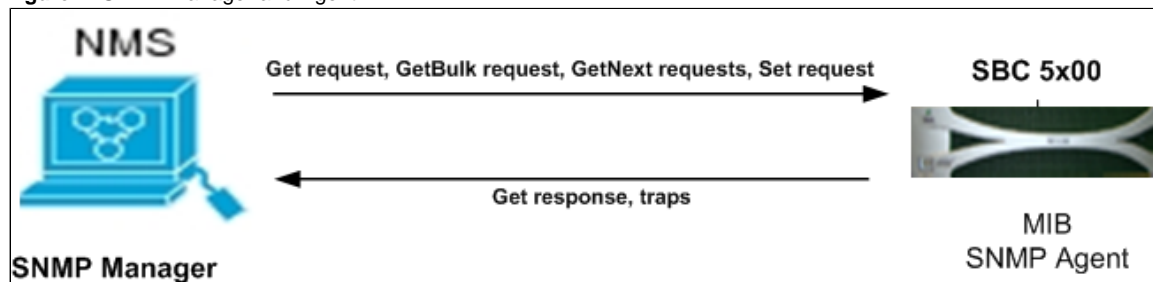
This section details SNMP functionality, and how to configure SBC 5000 series for SNMP.

The SNMP system consists of three parts: SNMP manager, SNMP agent, and MIB. The SNMP manager running on the Network Management System (NMS) collects information about network connectivity, activity, and event by polling managed devices. The SNMP agent exchanges network management information with the SNMP manager. The agent also controls access to the agent's MIB, the collection of objects that can be viewed by the SNMP manager.

SNMP uses five basic messages for communication between the manager and agent, one of which is the GET request that is used to query for information on or about a network entity.

As shown in the figure below, the SNMP agent gathers data from the MIB, which is the repository for information about device parameters and network data. The agent also can send traps or notifications of events that happen in the agent to the manager.

Figure 1: SNMP Manager and Agent



The SNMP manager sends SNMP GET and SNMP GET-NEXT requests to SNMP agent. The SNMP agent sends SNMP GET responses back to the SNMP manager. The SNMP manager receives SNMP trap messages from agent. SNMP traps are messages that notify a manager that an event has occurred on the SBC 5000 node. Any event that results in an SNMP trap message is also logged in an event log.

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