

Configure settings to send notifications to an SNMP manager

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The state of the network can be monitored through the Simple Network Management Protocol (SNMP). SNMP collects information by polling devices on the network. SNMP enabled devices can also send alerts to SNMP management stations. SNMP communities define the group where devices and management stations running SNMP belong, which specifies where information is sent. The community name identifies the group.



Note: Most organizations have an established system for collecting and displaying SNMP traps in a central location that can be monitored by their operations teams. For example, SNMP traps are sent to an SNMP manager, and the SNMP management console displays them.

1. Log in to the Administration settings on the ExtraHop system through `https://<extrahop-hostname-or-IP-address>/admin`.
2. In the Network Settings section, click **Notifications**.
3. Under Notifications, click **SNMP**.
4. On the SNMP Settings page, in the **SNMP Monitor** field, type the hostname for the SNMP trap receiver.
Separate multiple hostnames with commas.
5. In the **SNMP Community** field, type the SNMP community name.
6. In the **SNMP Port** field, type the SNMP port number for your network that is used by the SNMP agent to respond back to the source port on the SNMP manager.
The default response port is 162.

7. Optional: Click **Test Settings** to verify that your SNMP settings are correct.

If the settings are correct, you should see an entry in the SNMP log file on the SNMP server similar to this example, where 192.0.2.0 is the IP address of your ExtraHop system and 192.0.2.255 is the IP address of the SNMP server:

A response similar to this example displays:

```
Connection from UDP: [192.0.2.0]:42164->[ 192.0.2.255]:162
```

8. Click **Save**.

Download the ExtraHop SNMP MIB

SNMP does not provide a database of information that an SNMP-monitored network reports. SNMP information is defined by third-party management information bases (MIBs) that describe the structure of the collected data.

You can download the ExtraHop MIB file from the system's Administration settings.

1. Log in to the Administration settings on the ExtraHop system through `https://<extrahop-hostname-or-IP-address>/admin`.
2. Go to the Network Settings section and click **Notifications**.
3. Under Notifications, click **SNMP**.
4. Under SNMP MIB, click the **Download ExtraHop SNMP MIB**.
The file is typically saved to the default download location for your browser.

Extract the ExtraHop vendor object OID

Before you can monitor a device with SNMP, you need the `sysObjectID`, which contains an OID that is the vendor-reported identity of the device.

The SNMP vendor object ID (OID) for the ExtraHop system is `iso.3.6.1.4.1.32015`. You can also extract this value with `snmpwalk`.

1. Log in to the command-line interface on your management workstation.
2. Extract the OID, where *ip-address* is the IP address for your ExtraHop system:
In this example, you query with `sysObjectID`:

```
snmpwalk -v 2c -c public <ip-address> SNMPv2-MIB::sysObjectID
```

A response similar to this example displays:

```
SNMPv2-MIB::sysObjectID.0 = OID: SNMPv2-SMI::enterprises.32015.1.2
```

In this example, you query with the OID:

```
snmpwalk -v 2c -c public <ip-address> 1.3.6.1.2.1.1.2
```

A response similar to this example displays:

```
SNMPv2-MIB::sysObjectID.0 = OID: SNMPv2-SMI::enterprises.32015.1.2
```

Table 1: OID response device type code

Device type	Device type code
EDA	1.1
ECA	1.2
EXA	1.3
ETA	1.4