

## Configuring an SNMP Alarm on a C-series Controller (SRC CLI)

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You can configure SNMP to establish alarms for custom monitors.



**NOTE:** Configure only one monitor test at a time.

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To configure an SNMP alarm:

1. Specify an SNMP username.

See Configuring an SNMPv3 Security Name for SNMP Monitoring (SRC CLI).

2. From configuration mode, access the configuration statements that configures an alarm. For example:

```
[edit]
user@host# edit snmp monitor alarm saeHeapUsage
```

where **saeHeapUsage** is the name of the alarm.

3. Specify the number of seconds between which SNMP samples the value of an object. For example:

```
[edit snmp monitor alarm saeHeapUsage]
user@host# set interval 60
```

4. Specify whether to sample the actual value of the object or the difference between two values. For example, to use the actual of the object:

```
[edit snmp monitor alarm saeHeapUsage]
user@host# set sample-type absolute-value
```

If you set the sample type to **delta-value**, you can configure a discontinuity check. See Defining a Discontinuity Check to Validate Delta Values (SRC CLI).

5. (Optional) Indicate that an alarm not be sent when the alarm is initially activated.

```
[edit snmp monitor alarmsaeHeapUsage]
user@host# set ignore-startup-alarm
```

6. (Optional) Specify the name of the event to be generated in response to an alarm condition. For example:

```
[edit snmp monitor alarm saeHeapUsage]
user@host# set event saeHeapUsageEvent
```

7. Specify the name or object identifier (OID) of the MIB variable to be monitored. For example:

```
[edit snmp monitor alarm saeHeapUsage]
user@host# set variable junisdxSaeHeapUsed.0
```

8. (Optional) Specify whether to monitor the SNMP object instance identified by a variable attribute. To monitor the SNMP object instance specified by the variable attribute:

```
[edit snmp monitor alarm saeHeapUsage]
user@host# set strict-oid
```

Do not enable the **strict-oid** option when you monitor a column of an SNMP MIB table. An alarm for a column monitors the column on all entries of the table. If an entry for an object in the column passes an alarm test, an event is generated for that object.

9. Configure a boolean, existence, or threshold test for the alarm.

- Related Topics**
- Defining an Alarm for an SNMP Monitor That Compares Object Values (SRC CLI)
  - Defining an Alarm to Monitor the Status of an Object (SRC CLI)
  - Defining an Alarm for an SNMP Monitor That Compares Values Against Thresholds (SRC CLI)
  - Configuration Statements for Customized SRC SNMP Monitors
  - SNMP Monitoring on C-series Controllers