



show snmp

This chapter describes the output of the **show snmp** command.

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show snmp accesses

Table 1: show snmp accesses Command Output Descriptions

| Field | Description |
|-------------------------------|--|
| SNMP Usage Statistics: | |
| Get PDUs Received | The number of SNMP Get request packet data units (PDUs) received by the system from the SNMP alarm server. |
| GetNext PDUs Received | The number of SNMP GetNext request packet data units (PDUs) received by the system from the SNMP alarm server. |
| Set PDUs Received | The number of SNMP Set request packet data units (PDUs) received by the system from the SNMP alarm server. |
| PduTooBig Errors | The number of errors that occurred due to the packet data unit being received is too large. |
| NoSuchName Errors | The number of errors that occurred due to the packet data unit being requested not existing in the system. For example, this error would be generated if an SNMP "GET" request was received for an OID that doesn't exist in the system. |
| BadValue Errors | The number of errors that occurred due to the receipt of a bad value. For example, this error would be generated if an SNMP "SET" operation provides an illegal value. |

| Field | Description |
|-----------------|--|
| GenError Errors | The number errors that occurred that could not be properly classified. For example, this error would be generated if the system receives a valid SNMP "GET" PDU requesting a piece of data about a card, however, the system experiences an internal error attempting to reach the card. |
| Agent started | The date and time when the SNMP agent was started. |

show snmp communities

Table 2: show snmp communities Command Output Descriptions

| Field | Description |
|----------------|--|
| Community Name | Displays the name of the SNMP community. |
| Access Level | Displays the access level – "read-only" or "read-write". |

show snmp notifies

Table 3: show snmp notifies Command Output Descriptions

| Field | Description |
|--|--|
| SNMP Notification Statistics: | |
| Total number of notifications | The total number of notifications that have been sent to the SNMP alarm server since notification was enabled. |
| Last notification sent | The last date and time that a notification was sent to the SNMP alarm server. |
| Notification sending is | Indicates whether the sending of notifications is enabled or disabled on the system. |
| Notifications have never been disabled | Indicates whether or not the sending of SNMP notifications has ever been disabled. |
| Notifications in current period | The number of notifications that have been sent to the SNMP alarm server during the current monitor period. |
| Notifications in previous period | The number of notifications that have been sent to the SNMP alarm server during the previous monitor period. |
| Notification monitor period | The duration of the monitor period in seconds. |
| Trap Name | The trap name. |

| Field | Description |
|--|--|
| #Gen | The number of times notifications were generated for the trap. |
| #Disc | The disc number. |
| Disable | The number of notifications disabled. |
| Last Generated | The last date and time that a notification generated. |
| Total number of notifications Disabled | The total number of notifications disabled. |

show snmp server

Table 4: show snmp server Command Output Descriptions

| Field | Description |
|----------------------------|---|
| SNMP Server Configuration: | |
| Server State | Identifies the current server state, for example "enabled". |
| SNMP Port | Identifies the SNMP port number. Default = 161. |
| sysLocation | Displays the System Location. |
| sysContact | Displays the System contact information. |
| authenticationFail traps | Indicates whether this trap is Enabled or Disabled. |
| EngineID | Displays the SNMP Engine identifier. |
| Runtime Debugging | Indicates whether SNMP runtime debugging is enabled (ON) or disabled (OFF). By default the setting is ON. |

| Field | Description |
|-------------------------------|--|
| Runtime Debug Token | Displays the numerical value(s) corresponding to SNMP DEBUGMSG tokens that have been enabled: <ul style="list-style-type: none"> • 1 = mib_init • 2 = parse-file • 3 = parse-mibs • 4 = read_config • 5 = snmp • 6 = snmpd • 7 = snmptrapd • 8 = trap • 9 = transport • 10 = usm • 11 = disman • 12 = agentx • 13 = dumpph • 14 = init_mib |
| Alert Threshold | "<number> of alerts in <number> seconds" |
| Alert Low Threshold | "<number> of alerts in <number> seconds" |
| SNMP Agent Mib Configuration: | |
| <mib_name> | Lists available SNMP MIBs and whether they are Enabled or Disabled. |

show snmp trap history

Table 5: show snmp trap history Command Output Descriptions

| Field | Description |
|---|---|
| There are <> historical trap records (5000 maximum) | |
| Timestamp | Identifies the date and time the event trap was generated. |
| Trap Information | Shows the trap notification number and the associated device. |

show snmp trap statistics

Table 6: show snmp trap statistics Command Output Descriptions

| Field | Description |
|--|--|
| SNMP Notification Statistics: | |
| Total number of notifications | The total number of notifications sent to the SNMP alarm server since notification was enabled. |
| Last notification sent | The last date and time that a notification was sent to the SNMP alarm server. |
| Notification sending is | Indicates whether notification sending is enabled/disabled. |
| Notifications have never been disabled | Indicates whether notification sending was ever disabled. |
| Notifications have never been cleared | Indicates whether notification sending was ever cleared. |
| Notifications in current period | The number of notifications that have been sent to the SNMP alarm server during the current monitor period. |
| Notifications in previous period | The number of notifications that have been sent to the SNMP alarm server during the previous monitor period. |
| Notification monitor period | The duration of the monitor period in seconds. |
| Trap Name | The trap name. |
| #Gen | The number of times notifications were generated for the trap. |
| #Disc | The disc number. |
| Disable | The number of notifications disabled. |
| Last Generated | The last date and time that a notification generated. |
| Total number of notifications Disabled | The total number of notifications disabled. |

