

Chapter 57

DTD for SNMP Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-snmp.dtd`, which lists the JUNOS XML tags that contain Simple Network Management Protocol (SNMP) information. The associated XML namespace is `http://xml.juniper.net/junos/9.3R1/junos-snmp`. To review reference pages for the tags, see “Summary of SNMP Response Tags” on page 1531.

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<!-- Copyright (c) 2000-2008, Juniper Networks, Inc. -->
```

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<!-- All rights reserved. -->
```

```
<!-- junos-snmp.dtd -->
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```
<!ELEMENT address (#PCDATA)>
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```
<!ELEMENT alarm-creator (#PCDATA)>
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<!ELEMENT alarm-index (#PCDATA)>
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<!ELEMENT alarm-interval (#PCDATA)>
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<!ELEMENT alarm-owner (#PCDATA)>
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<!ELEMENT alarm-state (#PCDATA)>
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<!ELEMENT alarm-subtag (#PCDATA)>
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<!ELEMENT alarm-value (#PCDATA)>
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<!ELEMENT asn-parse-errors (#PCDATA)>
```

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<!ELEMENT auth-type (#PCDATA)>
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<!ELEMENT bad-community-names (#PCDATA)>
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<!ELEMENT bad-community-uses (#PCDATA)>
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```
<!ELEMENT bad-values (#PCDATA)>
```

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<!ELEMENT bad-versions (#PCDATA)>
```

```
<!ELEMENT commit-pending-drops (#PCDATA)>
```

```
<!ELEMENT community (#PCDATA)>
```

```
<!ELEMENT community-index (#PCDATA)>
```

<!ELEMENT context-match (#PCDATA)>
<!ELEMENT context-name (#PCDATA)>
<!ELEMENT context-prefix (#PCDATA)>
<!ELEMENT current-queued (#PCDATA)>
<!ELEMENT current-throttled (#PCDATA)>
<!ELEMENT currently-active (#PCDATA)>
<!ELEMENT decrypt-errors (#PCDATA)>
<!ELEMENT duplicate-request-drops (#PCDATA)>
<!ELEMENT engine-boots (#PCDATA)>
<!ELEMENT engine-id (#PCDATA)>
<!ELEMENT engine-time (#PCDATA)>
<!ELEMENT error (#PCDATA)>
<!ELEMENT event-creator (#PCDATA)>
<!ELEMENT event-descr (#PCDATA)>
<!ELEMENT event-index (#PCDATA)>
<!ELEMENT event-owner (#PCDATA)>
<!ELEMENT event-state (#PCDATA)>
<!ELEMENT event-type (#PCDATA)>
<!ELEMENT falling-event-index (#PCDATA)>
<!ELEMENT falling-threshold (#PCDATA)>
<!ELEMENT filter-name (#PCDATA)>
<!ELEMENT filter-type (#PCDATA)>
<!ELEMENT general-errors (#PCDATA)>
<!ELEMENT get-nexts (#PCDATA)>
<!ELEMENT get-requests (#PCDATA)>
<!ELEMENT get-responses (#PCDATA)>
<!ELEMENT group-deregisters (#PCDATA)>
<!ELEMENT group-name (#PCDATA)>

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<!ELEMENT group-registers (#PCDATA)>

<!ELEMENT group-removes (#PCDATA)>

<!ELEMENT health-monitor-information (rmon-alarm-information | rmon-log-information |
rmon-history-information)*>

<!ELEMENT history-index (#PCDATA)>

<!ELEMENT history-interface (#PCDATA)>

<!ELEMENT history-interval (#PCDATA)>

<!ELEMENT history-owner (#PCDATA)>

<!ELEMENT history-requested-buckets (#PCDATA)>

<!ELEMENT history-sample (history-sample-index | history-sample-start-time |
history-sample-drop-events | history-sample-octect | history-sample-packets |
history-sample-broadcast-packets | history-sample-multicast-packets |
history-sample-crc-errors | history-sample-undersize-packets |
history-sample-oversize-packets | history-sample-fragments | history-sample-jabbers |
history-sample-collisions | history-sample-utilization)*>

<!ELEMENT history-sample-broadcast-packets (#PCDATA)>

<!ELEMENT history-sample-collisions (#PCDATA)>

<!ELEMENT history-sample-crc-errors (#PCDATA)>

<!ELEMENT history-sample-drop-events (#PCDATA)>

<!ELEMENT history-sample-fragments (#PCDATA)>

<!ELEMENT history-sample-index (#PCDATA)>

<!ELEMENT history-sample-jabbers (#PCDATA)>

<!ELEMENT history-sample-multicast-packets (#PCDATA)>

<!ELEMENT history-sample-octect (#PCDATA)>

<!ELEMENT history-sample-oversize-packets (#PCDATA)>

<!ELEMENT history-sample-packets (#PCDATA)>

<!ELEMENT history-sample-start-time (#PCDATA)>

<!ELEMENT history-sample-undersize-packets (#PCDATA)>

<!ELEMENT history-sample-utilization (#PCDATA)>

<!ELEMENT index (index-name | index-value)*>

<!ELEMENT index-name (#PCDATA)>

<!ELEMENT index-value (#PCDATA)>

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<!ELEMENT inst-description (#PCDATA)>
<!ELEMENT inst-state (#PCDATA)>
<!ELEMENT inst-value (#PCDATA)>
<!ELEMENT inst-var-name (#PCDATA)>
<!ELEMENT invalid-msgs (#PCDATA)>
<!ELEMENT last-time-sent (#PCDATA)>
<!ATTLIST last-time-sent junos:seconds CDATA #IMPLIED>
<!ELEMENT max-active (#PCDATA)>
<!ELEMENT max-latency (#PCDATA)>
<!ELEMENT max-msg-size (#PCDATA)>
<!ELEMENT name (#PCDATA)>
<!ELEMENT no-such-names (#PCDATA)>
<!ELEMENT not-found (#PCDATA)>
<!ELEMENT not-in-timewindows (#PCDATA)>
<!ELEMENT notify-filter-name (#PCDATA)>
<!ELEMENT notify-name (#PCDATA)>
<!ELEMENT notify-tag (#PCDATA)>
<!ELEMENT notify-type (#PCDATA)>
<!ELEMENT notify-view (#PCDATA)>
<!ELEMENT nvs-commit-failures (#PCDATA)>
<!ELEMENT nvs-commit-pending (#PCDATA)>
<!ELEMENT nvs-conflock-failures (#PCDATA)>
<!ELEMENT nvs-journal-write-failures (#PCDATA)>
<!ELEMENT nvs-mgd-connect-failures (#PCDATA)>
<!ELEMENT nvs-rpc-mgd-failures (#PCDATA)>
<!ELEMENT object-value (#PCDATA)>
<!ELEMENT object-value-type (#PCDATA)>
<!ELEMENT oid (#PCDATA)>
<!ELEMENT packets (#PCDATA)>

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<!ELEMENT port (#PCDATA)>

<!ELEMENT priv-type (#PCDATA)>

<!ELEMENT proxy-drops (#PCDATA)>

<!ELEMENT read-onlys (#PCDATA)>

<!ELEMENT read-view (#PCDATA)>

<!ELEMENT rising-event-index (#PCDATA)>

<!ELEMENT rising-threshold (#PCDATA)>

<!ELEMENT rmon-alarm (alarm-index | var-name | var-oid | sample-type | alarm-value |
startup | alarm-interval | rising-threshold | falling-threshold | rising-event-index |
falling-event-index | alarm-owner | alarm-subtag | alarm-creator | alarm-state |
rmon-alarm-instance-information)*>

<!ELEMENT rmon-alarm-information (rmon-alarm)*>
<!ATTLIST rmon-alarm-information junos:style CDATA #IMPLIED>

<!ELEMENT rmon-alarm-instance (inst-var-name | inst-description | inst-value |
inst-state)*>

<!ELEMENT rmon-alarm-instance-information (rmon-alarm-instance)*>

<!ELEMENT rmon-event (event-index | event-descr | event-type | community |
last-time-sent | event-owner | event-creator | event-state)*>

<!ELEMENT rmon-event-information (rmon-event)*>
<!ATTLIST rmon-event-information junos:style CDATA #IMPLIED>

<!ELEMENT rmon-history (history-index | history-interface | history-requested-buckets |
history-interval | history-owner)*>

<!ELEMENT rmon-history-information (rmon-history | history-sample)*>

<!ELEMENT rmon-information (rmon-alarm-information | rmon-event-information |
rmon-history-information)*>

<!ELEMENT rmon-log (rmon-log-event-index | rmon-log-index | rmon-log-descr |
rmon-log-time)*>

<!ELEMENT rmon-log-descr (#PCDATA)>

<!ELEMENT rmon-log-event-index (#PCDATA)>

<!ELEMENT rmon-log-index (#PCDATA)>

<!ELEMENT rmon-log-information (rmon-log)*>

<!ELEMENT rmon-log-time (#PCDATA)>
<!ATTLIST rmon-log-time junos:seconds CDATA #IMPLIED>

<!ELEMENT row-status (#PCDATA)>

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<!ELEMENT sample-type (#PCDATA)>

<!ELEMENT security-level (#PCDATA)>

<!ELEMENT security-model (#PCDATA)>

<!ELEMENT security-name (#PCDATA)>

<!ELEMENT set-requests (#PCDATA)>

<!ELEMENT silent-drops (#PCDATA)>

<!ELEMENT snmp-generate-trap-result (#PCDATA)>

<!ELEMENT snmp-generate-trap-results (snmp-generate-trap-result)*>

<!ELEMENT snmp-input-statistics (packets | bad-versions | bad-community-names |
bad-community-uses | asn-parse-errors | too-bigs | no-such-names | bad-values |
read-onlys | general-errors | total-request-varbinds | total-set-varbinds | get-requests |
get-nexts | set-requests | get-responses | traps | silent-drops | proxy-drops |
throttle-drops | commit-pending-drops | duplicate-request-drops)*>

<!ELEMENT snmp-object (name | index | oid | object-value | object-value-type | error)*>

<!ELEMENT snmp-object-information (snmp-object | snmp-request-error)*>

<!ELEMENT snmp-output-statistics (packets | too-bigs | no-such-names | bad-values |
general-errors | get-requests | get-nexts | set-requests | get-responses | traps)*>

<!ELEMENT snmp-req-error-value (#PCDATA)>

<!ELEMENT snmp-request-error (snmp-req-error-value)*>

<!ELEMENT snmp-set-stats (nvs-commit-pending | nvs-conflock-failures |
nvs-rpc-mgd-failures | nvs-journal-write-failures | nvs-mgd-connect-failures |
nvs-commit-failures)*>

<!ELEMENT snmp-spoof-trap-result (#PCDATA)>

<!ELEMENT snmp-spoof-trap-results (snmp-spoof-trap-result | snmp-spoofable-traps)*>

<!ELEMENT snmp-spoofable-traps (#PCDATA)>

<!ELEMENT snmp-statistics (snmp-input-statistics | snmp-v3-input-statistics |
snmp-output-statistics | sub-agent-control-blocks | sub-agent-registration |
trap-queue-stats | trap-throttle-stats | snmp-set-stats)*>

<!ELEMENT snmp-v3-access (group-name | context-prefix | security-model |
security-level | context-match | read-view | write-view | notify-view | storage-type |
row-status)*>

<!ELEMENT snmp-v3-access-information (snmp-v3-access)*>
<!-- snmp-v3-access-information junos:style CDATA #IMPLIED -->

<!ELEMENT snmp-v3-community (community-index | security-name | context-name |
transport-tag | storage-type | row-status)*>

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<!ELEMENT snmp-v3-community-information (snmp-v3-community)*>

<!ELEMENT snmp-v3-engine-information (engine-id | engine-boots | engine-time |
max-msg-size)*>

<!ELEMENT snmp-v3-general-information (snmp-v3-engine-information)*>

<!ELEMENT snmp-v3-group (group-name | security-model | security-name | storage-type |
row-status)*>

<!ELEMENT snmp-v3-group-information (snmp-v3-group)*>

<!ELEMENT snmp-v3-information (snmp-v3-general-information |
snmp-v3-usm-user-information | snmp-v3-group-information |
snmp-v3-access-information | snmp-v3-target-information | snmp-v3-notify-information |
snmp-v3-notify-filter-information | snmp-v3-community-information)*>

<!ELEMENT snmp-v3-input-statistics (unknown-secmodels | invalid-msgs |
unknown-pduhandlers | unavail-contexts | unknown-contexts | unsupported-seclevels |
not-in-timewindows | unknown-username | unknown-eids | wrong-digests |
decrypt-errors)*>

<!ELEMENT snmp-v3-notify (notify-name | notify-tag | notify-type | storage-type |
row-status)*>

<!ELEMENT snmp-v3-notify-filter (filter-name | subtree | filter-type | storage-type |
row-status)*>

<!ELEMENT snmp-v3-notify-filter-information (snmp-v3-notify-filter)*>

<!ELEMENT snmp-v3-notify-information (snmp-v3-notify)*>

<!ELEMENT snmp-v3-target-address-information (snmp-v3-target_address)*>

<!ELEMENT snmp-v3-target-information (snmp-v3-target-address-information |
snmp-v3-target-parameters-information)*>

<!ELEMENT snmp-v3-target-parameters-information (snmp-v3-target_parameters)*>

<!ELEMENT snmp-v3-target_address (target-address-name | address | port |
target-parameters-name | storage-type | row-status)*>

<!ELEMENT snmp-v3-target_parameters (target-parameters-name | security-name |
security-model | security-level | notify-filter-name | storage-type | row-status)*>

<!ELEMENT snmp-v3-usm-user (user-name | auth-type | priv-type | storage-type |
row-status)*>

<!ELEMENT snmp-v3-usm-user-engine-id (user-engine-id)*>

<!ELEMENT snmp-v3-usm-user-information (snmp-v3-usm-user-engine-id |
snmp-v3-usm-user)*>

<!ELEMENT startup (#PCDATA)>

<!ELEMENT storage-type (#PCDATA)>

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<!ELEMENT sub-agent-control-blocks (total | currently-active | max-active | not-found | timed-out | max-latency)*>

<!ELEMENT sub-agent-registration (group-registers | group-deregisters | group-removes)*>

<!ELEMENT subtree (#PCDATA)>

<!ELEMENT target-address-name (#PCDATA)>

<!ELEMENT target-parameters-name (#PCDATA)>

<!ELEMENT throttle-drops (#PCDATA)>

<!ELEMENT timed-out (#PCDATA)>

<!ELEMENT too-bigs (#PCDATA)>

<!ELEMENT total (#PCDATA)>

<!ELEMENT total-discards (#PCDATA)>

<!ELEMENT total-overflows (#PCDATA)>

<!ELEMENT total-queued (#PCDATA)>

<!ELEMENT total-request-varbinds (#PCDATA)>

<!ELEMENT total-set-varbinds (#PCDATA)>

<!ELEMENT total-throttles (#PCDATA)>

<!ELEMENT transport-tag (#PCDATA)>

<!ELEMENT trap-queue-stats (current-queued | total-queued | total-discards | total-overflows)*>

<!ELEMENT trap-throttle-stats (current-throttled | total-throttles)*>

<!ELEMENT traps (#PCDATA)>

<!ELEMENT unavail-contexts (#PCDATA)>

<!ELEMENT unknown-contexts (#PCDATA)>

<!ELEMENT unknown-eids (#PCDATA)>

<!ELEMENT unknown-pduhandlers (#PCDATA)>

<!ELEMENT unknown-secmodels (#PCDATA)>

<!ELEMENT unknown-username (#PCDATA)>

<!ELEMENT unsupported-seclevels (#PCDATA)>

<!ELEMENT user-engine-id (#PCDATA)>

<!ELEMENT user-name (#PCDATA)>

<!ELEMENT var-name (#PCDATA)>

<!ELEMENT var-oid (#PCDATA)>

<!ELEMENT write-view (#PCDATA)>

<!ELEMENT wrong-digests (#PCDATA)>

