

Chapter 52

DTD for RPM Response Tags

This chapter contains the XML Extensible Markup Language (XML) document type definition (DTD) called `junos-rpm.dtd`, which lists the JUNOS XML tags that contain real-time performance monitoring (RPM) information. The associated XML namespace is `http://xml.juniper.net/junos/9.3R1/junos-rpm`. To review reference pages for the tags, see “Summary of RPM Response Tags” on page 1489.

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

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

```
<!-- junos-rpm.dtd -->
```

```
<!ELEMENT accept-sessions-sent (#PCDATA)>
```

```
<!ELEMENT active-servers (configured-servers)*>
```

```
<!ELEMENT authentication-mode (#PCDATA)>
```

```
<!ELEMENT avg-delay (#PCDATA)>
```

```
<!ATTLIST avg-delay junos:format CDATA #IMPLIED>
```

```
<!ELEMENT client-address (#PCDATA)>
```

```
<!ELEMENT client-port (#PCDATA)>
```

```
<!ELEMENT configured-servers (protocol | port | destination-interface)*>
```

```
<!ELEMENT connection (connection-id | client-address | client-port | server-address |  
server-port | session-count | authentication-mode)*>
```

```
<!ELEMENT connection-id (#PCDATA)>
```

```
<!ELEMENT delay-thresh (#PCDATA)>
```

```
<!ELEMENT destination-interface (#PCDATA)>
```

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

```
<!ELEMENT egress-interarrival-jitter (#PCDATA)>
```

```
<!ELEMENT egress-jitter (#PCDATA)>
```

```
<!ELEMENT egress-jitter-thresh (#PCDATA)>
```

```
<!ELEMENT egress-stddev-thresh (#PCDATA)>
```

```

<!ELEMENT egress-thresh (#PCDATA)>

<!ELEMENT hardware-timestamp-status (#PCDATA)>

<!ELEMENT history-results (history-test-results)*>

  <!ELEMENT history-test-results (owner | test-name | target-address | target-url |
    source-address | destination-interface | probe-type | probe-single-results |
    probe-test-current-results | loss-thresh-total | loss-thresh-succ | delay-thresh |
    jitter-thresh | stddev-thresh | egress-thresh | egress-jitter-thresh | ingress-thresh |
    ingress-jitter-thresh)*>
  <!ATTLIST history-test-results junos:style CDATA #IMPLIED>

  <!ELEMENT ingress (#PCDATA)>

  <!ELEMENT ingress-interarrival-jitter (#PCDATA)>

  <!ELEMENT ingress-jitter (#PCDATA)>

  <!ELEMENT ingress-jitter-thresh (#PCDATA)>

  <!ELEMENT ingress-stddev-thresh (#PCDATA)>

  <!ELEMENT ingress-thresh (#PCDATA)>

  <!ELEMENT internal-error (#PCDATA)>

  <!ELEMENT ip-version (#PCDATA)>

  <!ELEMENT jitter-delay (#PCDATA)>
  <!ATTLIST jitter-delay junos:format CDATA #IMPLIED>

  <!ELEMENT jitter-thresh (#PCDATA)>

  <!ELEMENT last-sequence-number-received (#PCDATA)>

  <!ELEMENT last-sequence-number-sent (#PCDATA)>

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

  <!ELEMENT loss-percentage (#PCDATA)>
  <!ATTLIST loss-percentage junos:format CDATA #IMPLIED>

  <!ELEMENT loss-thresh-succ (#PCDATA)>

  <!ELEMENT loss-thresh-total (#PCDATA)>

  <!ELEMENT max-delay (#PCDATA)>
  <!ATTLIST max-delay junos:format CDATA #IMPLIED>

  <!ELEMENT min-delay (#PCDATA)>
  <!ATTLIST min-delay junos:format CDATA #IMPLIED>

  <!ELEMENT owner (#PCDATA)>

```

```

<!ELEMENT packet-malformed (#PCDATA)>

<!ELEMENT packet-statistics (request-sessions-received | accept-sessions-sent |
start-sessions-received | stop-sessions-received | test-packets-received |
test-packets-reflected | last-sequence-number-received | last-sequence-number-sent |
test-packets-dropped | test-packets-dropped-details)*>

<!ELEMENT packet-unsupported (#PCDATA)>

<!ELEMENT padding-length (#PCDATA)>

<!ELEMENT port (#PCDATA)>

<!ELEMENT probe-last-test-info (last-test-time)*>

<!ELEMENT probe-last-test-results (probe-test-generic-results)*>

<!ELEMENT probe-responses (#PCDATA)>

<!ELEMENT probe-results (probe-test-results)*>

<!ELEMENT probe-results-type (#PCDATA)>

<!ELEMENT probe-single-results (owner | test-name | probe-time | probe-status |
hardware-timestamp-status | rtt | ingress | egress | egress-jitter | ingress-jitter |
round-trip-jitter | egress-interarrival-jitter | ingress-interarrival-jitter |
round-trip-interarrival-jitter)*>
<!-- ATTENTION: probe-single-results junos:style CDATA #IMPLIED -->

<!ELEMENT probe-status (#PCDATA)>

<!ELEMENT probe-summary-results (probe-results-type | min-delay | max-delay |
avg-delay | jitter-delay | stddev-delay | sum-delay | samples)*>

<!ELEMENT probe-test-current-results (probe-test-generic-results)*>

<!ELEMENT probe-test-egress (probe-summary-results)*>

<!ELEMENT probe-test-generic-results (probes-sent | probe-responses | loss-percentage
| results-scope | probe-last-test-info | probe-test-rtt | probe-test-egress |
probe-test-ingress | probe-test-positive-egress-jitter | probe-test-negative-egress-jitter |
probe-test-positive-ingress-jitter | probe-test-negative-ingress-jitter |
probe-test-positive-round-trip-jitter | probe-test-negative-round-trip-jitter)*>

<!ELEMENT probe-test-global-results (probe-test-generic-results)*>

<!ELEMENT probe-test-ingress (probe-summary-results)*>

<!ELEMENT probe-test-moving-results (probe-test-generic-results)*>

<!ELEMENT probe-test-negative-egress-jitter (probe-summary-results)*>

<!ELEMENT probe-test-negative-ingress-jitter (probe-summary-results)*>

<!ELEMENT probe-test-negative-round-trip-jitter (probe-summary-results)*>

<!ELEMENT probe-test-positive-egress-jitter (probe-summary-results)*>

```

```

<!ELEMENT probe-test-positive-ingress-jitter (probe-summary-results)*>

<!ELEMENT probe-test-positive-round-trip-jitter (probe-summary-results)*>

<!ELEMENT probe-test-results (owner | test-name | target-address | target-url |
source-address | destination-interface | probe-type | test-size | routing-instance-name |
loss-thresh-total | loss-thresh-succ | delay-thresh | jitter-thresh | stddev-thresh |
egress-thresh | egress-jitter-thresh | egress-stddev-thresh | ingress-thresh |
ingress-jitter-thresh | ingress-stddev-thresh | probe-single-results |
probe-test-current-results | probe-last-test-results | probe-test-moving-results |
probe-test-global-results)*>

<!ELEMENT probe-test-rtt (probe-summary-results)*>

<!ELEMENT probe-time (#PCDATA)>
<!-- ATTENTION: probe-time junos:seconds CDATA #IMPLIED -->

<!ELEMENT probe-type (#PCDATA)>

<!ELEMENT probes-sent (#PCDATA)>

<!ELEMENT protocol (#PCDATA)>

<!ELEMENT reflector-address (#PCDATA)>

<!ELEMENT reflector-port (#PCDATA)>

<!ELEMENT request-sessions-received (#PCDATA)>

<!ELEMENT results-scope (#PCDATA)>

<!ELEMENT round-trip-interarrival-jitter (#PCDATA)>

<!ELEMENT round-trip-jitter (#PCDATA)>

<!ELEMENT routing-instance-name (#PCDATA)>

<!ELEMENT rtt (#PCDATA)>

<!ELEMENT samples (#PCDATA)>
<!-- ATTENTION: samples junos:format CDATA #IMPLIED -->

<!ELEMENT sender-address (#PCDATA)>

<!ELEMENT sender-port (#PCDATA)>

<!ELEMENT server (session)*>

<!ELEMENT server-address (#PCDATA)>

<!ELEMENT server-port (#PCDATA)>

<!ELEMENT server-statistics (packet-statistics)*>

```

```

<!ELEMENT session (session-id | connection-id | sender-address | sender-port |
reflector-address | reflector-port | session-state | authentication-mode | ip-version |
padding-length | start-time | timeout | packet-statistics)*>
<!ATTLIST session junos:style CDATA #IMPLIED>

<!ELEMENT session-count (#PCDATA)>

<!ELEMENT session-id (#PCDATA)>

<!ELEMENT session-nonexist (#PCDATA)>

<!ELEMENT session-notactive (#PCDATA)>

<!ELEMENT session-state (#PCDATA)>

<!ELEMENT source-address (#PCDATA)>

<!ELEMENT start-sessions-received (#PCDATA)>

<!ELEMENT start-time (#PCDATA)>

<!ELEMENT stddev-delay (#PCDATA)>
<!ATTLIST stddev-delay junos:format CDATA #IMPLIED>

<!ELEMENT stddev-thresh (#PCDATA)>

<!ELEMENT stop-sessions-received (#PCDATA)>

<!ELEMENT sum-delay (#PCDATA)>
<!ATTLIST sum-delay junos:format CDATA #IMPLIED>

<!ELEMENT target-address (#PCDATA)>

<!ELEMENT target-url (#PCDATA)>

<!ELEMENT test-name (#PCDATA)>

<!ELEMENT test-packets-dropped (#PCDATA)>

<!ELEMENT test-packets-dropped-details (session-nonexist | session-notactive |
packet-unsupported | packet-malformed | internal-error)*>

<!ELEMENT test-packets-received (#PCDATA)>

<!ELEMENT test-packets-reflected (#PCDATA)>

<!ELEMENT test-size (#PCDATA)>
<!ATTLIST test-size junos:format CDATA #IMPLIED>

<!ELEMENT timeout (#PCDATA)>

<!ELEMENT twamp-server-information (connection | server | server-statistics)*>

```

