

Chapter 46

DTD for Probe-Test Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-probe-tests.dtd`, which lists the JUNOS XML tags that contain information from responses to `ping`, `traceroute`, and real-time performance monitoring requests. The associated XML namespace is `http://xml.juniper.net/junos/9.3R1/junos-probe-tests`. To review reference pages for the tags, see “Summary of Probe-Test Response Tags” on page 1083.

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

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

```
<!-- junos-probe-tests.dtd -->
```

```
<!ELEMENT date-determined (#PCDATA)>
```

```
<!ATTLIST date-determined junos:seconds CDATA #IMPLIED>
```

```
<!ELEMENT hop (ttl-value | percent-loss | icmp-extension | probe-result)*>
```

```
<!ELEMENT host-name (#PCDATA)>
```

```
<!ELEMENT icmp-code (icmp-code-none | icmp-unreach-net | icmp-unreach-host |  
icmp-unreach-protocol | icmp-unreach-port | icmp-unreach-needfrag |  
icmp-unreach-srccfail | icmp-unreach-net-unknown | icmp-unreach-host-unknown |  
icmp-unreach-isolated | icmp-unreach-net-prohib | icmp-unreach-host-prohib |  
icmp-unreach-tosnet | icmp-unreach-toshost | icmp-unreach-filter-prohib |  
icmp-unreach-host-precedence | icmp-unreach-precedence-cutoff | icmp-redirect-net |  
icmp-redirect-host | icmp-redirect-tosnet | icmp-redirect-toshost | icmp-timxceed-intrans |  
icmp-timxceed-reass | icmp-paramprob-optabsent | icmp6-unreach-noroute |  
icmp6-unreach-admin | icmp6-unreach-beyond-scope | icmp6-unreach-address |  
icmp6-unreach-port | icmp6-time-exceed-transit | icmp6-time-exceed-reassembly |  
icmp6-parameter-problem-header | icmp6-parameter-problem-nexthdr |  
icmp6-parameter-problem-option | icmp6-ni-subject-ipv6 | icmp6-ni-subject-fqdn |  
icmp6-ni-subject-ipv4 | icmp6-ni-success | icmp6-ni-refused | icmp6-ni-unknown)*>  
<!ATTLIST icmp-code integer-code-value CDATA #IMPLIED>
```

```
<!ELEMENT icmp-code-none EMPTY>
```

```
<!ELEMENT icmp-echo EMPTY>
```

```
<!ELEMENT icmp-echoreply EMPTY>
```

```
<!ELEMENT icmp-extension (#PCDATA)>
```

```
<!ELEMENT icmp-ireq EMPTY>
```

```

<!ELEMENT icmp-ireqreply EMPTY>

<!ELEMENT icmp-maskreply EMPTY>

<!ELEMENT icmp-maskreq EMPTY>

<!ELEMENT icmp-paramprob EMPTY>

<!ELEMENT icmp-paramprob-optabsent EMPTY>

<!ELEMENT icmp-redirect EMPTY>

<!ELEMENT icmp-redirect-host EMPTY>

<!ELEMENT icmp-redirect-net EMPTY>

<!ELEMENT icmp-redirect-toshost EMPTY>

<!ELEMENT icmp-redirect-tosnet EMPTY>

<!ELEMENT icmp-routeradvert EMPTY>

<!ELEMENT icmp-routersolicit EMPTY>

<!ELEMENT icmp-sourcequench EMPTY>

<!ELEMENT icmp-timxceed EMPTY>

<!ELEMENT icmp-timxceed-intrans EMPTY>

<!ELEMENT icmp-timxceed-reass EMPTY>

<!ELEMENT icmp-tstamp EMPTY>

<!ELEMENT icmp-tstampreply EMPTY>

<!ELEMENT icmp-type (icmp-type-none | icmp-echoreply | icmp-unreach |
icmp-sourcequench | icmp-redirect | icmp-echo | icmp-routeradvert | icmp-routersolicit |
icmp-timxceed | icmp-paramprob | icmp-tstamp | icmp-tstampreply | icmp-ireq |
icmp-ireqreply | icmp-maskreq | icmp-maskreply | icmp6-unreach | icmp6-packet-too-big |
icmp6-time-exceeded | icmp6-parameter-problem | icmp6-echo-request |
icmp6-echo-reply | icmp6-membership-query | icmp6-membership-report |
icmp6-membership-reduction | icmp6-router-solicit | icmp6-router-advert |
icmp6-neighbor-solicit | icmp6-neighbor-advert | icmp6-redirect |
icmp6-router-renumbering | icmp6-ni-query | icmp6-ni-reply)*>
<!ATTLIST icmp-type integer-type-value CDATA #IMPLIED>

<!ELEMENT icmp-type-none EMPTY>

<!ELEMENT icmp-unreach EMPTY>

<!ELEMENT icmp-unreach-filter-prohib EMPTY>

<!ELEMENT icmp-unreach-host EMPTY>

<!ELEMENT icmp-unreach-host-precedence EMPTY>

```

<!ELEMENT icmp-unreach-host-prohib EMPTY>

<!ELEMENT icmp-unreach-host-unknown EMPTY>

<!ELEMENT icmp-unreach-isolated EMPTY>

<!ELEMENT icmp-unreach-needfrag EMPTY>

<!ELEMENT icmp-unreach-net EMPTY>

<!ELEMENT icmp-unreach-net-prohib EMPTY>

<!ELEMENT icmp-unreach-net-unknown EMPTY>

<!ELEMENT icmp-unreach-port EMPTY>

<!ELEMENT icmp-unreach-precedence-cutoff EMPTY>

<!ELEMENT icmp-unreach-protocol EMPTY>

<!ELEMENT icmp-unreach-srcfail EMPTY>

<!ELEMENT icmp-unreach-toshost EMPTY>

<!ELEMENT icmp-unreach-tosnet EMPTY>

<!ELEMENT icmp6-echo-reply EMPTY>

<!ELEMENT icmp6-echo-request EMPTY>

<!ELEMENT icmp6-membership-query EMPTY>

<!ELEMENT icmp6-membership-reduction EMPTY>

<!ELEMENT icmp6-membership-report EMPTY>

<!ELEMENT icmp6-neighbor-advert EMPTY>

<!ELEMENT icmp6-neighbor-solicit EMPTY>

<!ELEMENT icmp6-ni-query EMPTY>

<!ELEMENT icmp6-ni-refused EMPTY>

<!ELEMENT icmp6-ni-reply EMPTY>

<!ELEMENT icmp6-ni-subject-fqdn EMPTY>

<!ELEMENT icmp6-ni-subject-ipv4 EMPTY>

<!ELEMENT icmp6-ni-subject-ipv6 EMPTY>

<!ELEMENT icmp6-ni-success EMPTY>

<!ELEMENT icmp6-ni-unknown EMPTY>

<!ELEMENT icmp6-packet-too-big EMPTY>

```

<!ELEMENT icmp6-parameter-problem EMPTY>
<!ELEMENT icmp6-parameter-problem-header EMPTY>
<!ELEMENT icmp6-parameter-problem-nextheader EMPTY>
<!ELEMENT icmp6-parameter-problem-option EMPTY>
<!ELEMENT icmp6-redirect EMPTY>
<!ELEMENT icmp6-router-advert EMPTY>
<!ELEMENT icmp6-router-renumbering EMPTY>
<!ELEMENT icmp6-router-solicit EMPTY>
<!ELEMENT icmp6-time-exceed-reassembly EMPTY>
<!ELEMENT icmp6-time-exceed-transit EMPTY>
<!ELEMENT icmp6-time-exceeded EMPTY>
<!ELEMENT icmp6-unreach EMPTY>
<!ELEMENT icmp6-unreach-address EMPTY>
<!ELEMENT icmp6-unreach-admin EMPTY>
<!ELEMENT icmp6-unreach-beyond-scope EMPTY>
<!ELEMENT icmp6-unreach-noroute EMPTY>
<!ELEMENT icmp6-unreach-port EMPTY>
<!ELEMENT ingress-interface (#PCDATA)>
<!ELEMENT ip-address (#PCDATA)>
<!ELEMENT ip-options (record-route | loose-source-route | strict-source-route)*>
<!ELEMENT loose-source-route (record-route-host)*>
<!ELEMENT max-hop-index (#PCDATA)>
<!ELEMENT packet-loss (#PCDATA)>
<!ELEMENT packet-size (#PCDATA)>
<!ELEMENT percent-loss (#PCDATA)>
<!ELEMENT ping-failure (#PCDATA)>
<!ELEMENT ping-results (target-host | source | target-ip | packet-size | probe-result |
probe-results-summary | ping-success | ping-failure)*>
<!ELEMENT ping-success EMPTY>

```

```

<!ELEMENT probe-duplicate EMPTY>

<!ELEMENT probe-failure (#PCDATA)>

<!ELEMENT probe-index (#PCDATA)>

<!ELEMENT probe-reached EMPTY>

<!ELEMENT probe-result (date-determined | probe-index | sequence-number |
time-to-live | response-size | rtt | ingress-interface | icmp-type | icmp-code | ip-address |
host-name | ip-options | probe-success | probe-duplicate | probe-reached |
probe-failure)*>

<!ELEMENT probe-results-summary (probes-sent | responses-received | packet-loss |
response-duplicates | response-unexpected-sequence | rtt-minimum | rtt-average |
rtt-maximum | rtt-stddev)*>

<!ELEMENT probe-success EMPTY>

<!ELEMENT probes-sent (#PCDATA)>

<!ELEMENT record-route (record-route-host)*>

<!ELEMENT record-route-host (ip-address | host-name)*>

<!ELEMENT response-duplicates (#PCDATA)>

<!ELEMENT response-size (#PCDATA)>

<!ELEMENT response-unexpected-sequence (#PCDATA)>

<!ELEMENT responses-received (#PCDATA)>

<!ELEMENT rtt (#PCDATA)>

<!ELEMENT rtt-average (#PCDATA)>

<!ELEMENT rtt-maximum (#PCDATA)>

<!ELEMENT rtt-minimum (#PCDATA)>

<!ELEMENT rtt-stddev (#PCDATA)>

<!ELEMENT sequence-number (#PCDATA)>

<!ELEMENT source (#PCDATA)>

<!ELEMENT strict-source-route (record-route-host)*>

<!ELEMENT target-host (#PCDATA)>

<!ELEMENT target-ip (#PCDATA)>

<!ELEMENT time-to-live (#PCDATA)>

<!ELEMENT traceroute-failure (#PCDATA)>

```

```
<!ELEMENT traceroute-results (target-host | source | target-ip | packet-size |  
max-hop-index | hop | traceroute-success | traceroute-failure)*>
```

```
<!ELEMENT traceroute-success EMPTY>
```

```
<!ELEMENT ttl-value (#PCDATA)>
```