

Chapter 13

DTD for BFD Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-bfd.dtd`, which lists the JUNOS XML tags that contain the Bidirectional Forwarding Detection (BFD) Protocol information. The associated XML namespace is <http://xml.juniper.net/junos/9.4R1/junos-bfd>. To review reference pages for the tags, see “Summary of BFD Response Tags” on page 498.

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

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

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

```
<!ELEMENT adaptation-disabled (#PCDATA)>
```

```
<!ELEMENT adaptive-asynchronous-transmission-interval (#PCDATA)>
```

```
<!ELEMENT adaptive-reception-interval (#PCDATA)>
```

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

```
<!ELEMENT bfd-client (client-name | client-transmission-interval |  
client-reception-interval | client-multiplier | client-holddown-interval | client-state |  
client-authentication | client-keychain | client-algorithm | client-authentication-loose)*>
```

```
<!ELEMENT bfd-replication (bfd-replication-session-entry)*>
```

```
<!ELEMENT bfd-replication-session-entry (session-neighbor | session-interface |  
local-discriminator | replication-state)*>
```

```
<ELEMENT bfd-session (session-state | session-interface | session-neighbor |
session-detection-time | session-transmission-interval | session-adaptive-multiplier |
bfd-client | session-up-time | previous-up-time | session-down-time | previous-down-time
| local-diagnostic | remote-diagnostic | remote-state | v0-remote-state | remote-listen |
session-version | logical-system-id | route-table-index | minimum-asynchronous-interval |
minimum-slow-interval | adaptive-asynchronous-transmission-interval |
adaptive-reception-interval | minimum-transmission-interval |
threshold-transmission-interval | minimum-reception-interval | detection-multiplier |
threshold-detection-time | neighbor-minimum-transmission-interval |
neighbor-minimum-reception-interval | neighbor-session-multiplier | issu-state |
original-transmission-interval | original-reception-interval | local-discriminator |
remote-discriminator | echo-mode-desired | echo-mode-state | no-absorb | no-refresh |
update-adjacency | update-transmit | neighbor-fate | replicated | holddown-timer |
adaptation-disabled | tunnel-name | tunnel-path | tunnel-prefix | tunnel-prefix-length |
tunnel-type | tunnel-destination | multihop-time-to-live | multihop-routing-table-index |
multihop-local-address | authentication | session-keychain | session-algorithm |
session-authentication-loose)*>
```

```
<ELEMENT bfd-session-information (bfd-session | sessions | clients |
cumulative-transmission-rate | cumulative-reception-rate | error-value)*>
<!ATTLIST bfd-session-information junos:style CDATA #IMPLIED>
```

```
<ELEMENT client-algorithm (#PCDATA)>
```

```
<ELEMENT client-authentication (#PCDATA)>
```

```
<ELEMENT client-authentication-loose (#PCDATA)>
```

```
<ELEMENT client-holddown-interval (#PCDATA)>
```

```
<ELEMENT client-keychain (#PCDATA)>
```

```
<ELEMENT client-multiplier (#PCDATA)>
```

```
<ELEMENT client-name (#PCDATA)>
```

```
<ELEMENT client-reception-interval (#PCDATA)>
```

```
<ELEMENT client-state (#PCDATA)>
```

```
<ELEMENT client-transmission-interval (#PCDATA)>
```

```
<ELEMENT clients (#PCDATA)>
```

```
<ELEMENT cumulative-reception-rate (#PCDATA)>
```

```
<ELEMENT cumulative-transmission-rate (#PCDATA)>
```

```
<ELEMENT detection-multiplier (#PCDATA)>
```

```
<ELEMENT echo-mode-desired (#PCDATA)>
```

```
<ELEMENT echo-mode-state (#PCDATA)>
```

```
<ELEMENT error-value (#PCDATA)>
```

```
<ELEMENT holddown-timer (#PCDATA)>
```

<!ELEMENT issu-state (#PCDATA)>
<!ELEMENT local-diagnostic (#PCDATA)>
<!ELEMENT local-discriminator (#PCDATA)>
<!ELEMENT logical-system-id (#PCDATA)>
<!ELEMENT minimum-asynchronous-interval (#PCDATA)>
<!ELEMENT minimum-reception-interval (#PCDATA)>
<!ELEMENT minimum-slow-interval (#PCDATA)>
<!ELEMENT minimum-transmission-interval (#PCDATA)>
<!ELEMENT multihop-local-address (#PCDATA)>
<!ELEMENT multihop-routing-table-index (#PCDATA)>
<!ELEMENT multihop-time-to-live (#PCDATA)>
<!ELEMENT neighbor-fate (#PCDATA)>
<!ELEMENT neighbor-minimum-reception-interval (#PCDATA)>
<!ELEMENT neighbor-minimum-transmission-interval (#PCDATA)>
<!ELEMENT neighbor-session-multiplier (#PCDATA)>
<!ELEMENT no-absorb (#PCDATA)>
<!ELEMENT no-refresh (#PCDATA)>
<!ELEMENT original-reception-interval (#PCDATA)>
<!ELEMENT original-transmission-interval (#PCDATA)>
<!ELEMENT previous-down-time (#PCDATA)>
<!ELEMENT previous-up-time (#PCDATA)>
<!ELEMENT remote-diagnostic (#PCDATA)>
<!ELEMENT remote-discriminator (#PCDATA)>
<!ELEMENT remote-listen (#PCDATA)>
<!ELEMENT remote-state (#PCDATA)>
<!ELEMENT replicated (#PCDATA)>
<!ELEMENT replication-state (#PCDATA)>
<!ELEMENT route-table-index (#PCDATA)>

<!ELEMENT session-adaptive-multiplier (#PCDATA)>
<!ELEMENT session-algorithm (#PCDATA)>
<!ELEMENT session-authentication-loose (#PCDATA)>
<!ELEMENT session-detection-time (#PCDATA)>
<!ELEMENT session-down-time (#PCDATA)>
<!ELEMENT session-interface (#PCDATA)>
<!ELEMENT session-keychain (#PCDATA)>
<!ELEMENT session-neighbor (#PCDATA)>
<!ELEMENT session-state (#PCDATA)>
<!ELEMENT session-transmission-interval (#PCDATA)>
<!ELEMENT session-up-time (#PCDATA)>
<!ELEMENT session-version (#PCDATA)>
<!ELEMENT sessions (#PCDATA)>
<!ELEMENT threshold-detection-time (#PCDATA)>
<!ELEMENT threshold-transmission-interval (#PCDATA)>
<!ELEMENT tunnel-destination (#PCDATA)>
<!ELEMENT tunnel-name (#PCDATA)>
<!ELEMENT tunnel-path (#PCDATA)>
<!ELEMENT tunnel-prefix (#PCDATA)>
<!ELEMENT tunnel-prefix-length (#PCDATA)>
<!ELEMENT tunnel-type (#PCDATA)>
<!ELEMENT update-adjacency (#PCDATA)>
<!ELEMENT update-transmit (#PCDATA)>
<!ELEMENT v0-remote-state (#PCDATA)>