

Chapter 62

DTD for Virtual Router Redundancy Protocol Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-vrrpd.dtd`, which lists the JUNOS XML tags that contain information about the Virtual Router Redundancy Protocol (VRRP). The associated XML namespace is <http://xml.juniper.net/junos/9.3R1/junos-vrrpd>. To review reference pages for the tags, see “Summary of Virtual Router Redundancy Protocol Response Tags” on page 1579.

```
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```

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

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

```
<!ELEMENT accept-data-mode (#PCDATA)>
```

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

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

```
<!ELEMENT advertisement-interval (#PCDATA)>
```

```
<!ELEMENT advertisement-received (#PCDATA)>
```

```
<!ELEMENT advertisement-sent (#PCDATA)>
```

```
<!ELEMENT advertisement-timer (#PCDATA)>
```

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

```
<!ELEMENT backup-master-transitions (#PCDATA)>
```

```
<!ELEMENT bad-advertisement-timer-received (#PCDATA)>
```

```
<!ELEMENT bad-authentication-type-received (#PCDATA)>
```

```
<!ELEMENT bad-md5-digest-received (#PCDATA)>
```

```
<!ELEMENT bad-password-received (#PCDATA)>
```

```
<!ELEMENT bad-vip-count-received (#PCDATA)>
```

```
<!ELEMENT bad-vipaddr-received (#PCDATA)>
```

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<!ELEMENT bandwidth (bandwidth-threshold | bandwidth-priority-cost | bandwidth-active
| priority-down-status | priority-cost | priority-active)*>
<!ATTLIST bandwidth junos:style CDATA #IMPLIED>

<!ELEMENT bandwidth-active (#PCDATA)>

<!ELEMENT bandwidth-priority-cost (#PCDATA)>

<!ELEMENT bandwidth-threshold (#PCDATA)>

<!ELEMENT computed-send-rate (#PCDATA)>

<!ELEMENT configured-priority (#PCDATA)>

<!ELEMENT current-priority (#PCDATA)>

<!ELEMENT current-priority-cost (#PCDATA)>

<!ELEMENT dead-timer (#PCDATA)>

<!ELEMENT delay (#PCDATA)>

<!ELEMENT delay-threshold (#PCDATA)>

<!ELEMENT delay-violations (#PCDATA)>

<!ELEMENT delay-violations-rate (#PCDATA)>

<!ELEMENT expiration-rate (#PCDATA)>

<!ELEMENT expirations (#PCDATA)>

<!ELEMENT group (#PCDATA)>

<!ELEMENT group-priority (#PCDATA)>

<!ELEMENT group-vrrp-pdu-error-statistics (bad-authentication-type-received |
bad-password-received | bad-md5-digest-received | bad-advertisement-timer-received |
bad-vip-count-received | bad-vipaddr-received)*>
<!ATTLIST group-vrrp-pdu-error-statistics junos:style CDATA #IMPLIED>

<!ELEMENT group-vrrp-pdu-statistics (advertisement-sent | advertisement-received)*>
<!ATTLIST group-vrrp-pdu-statistics junos:style CDATA #IMPLIED>

<!ELEMENT group-vrrp-state-transition-statistics (idle-master-transitions |
idle-backup-transitions | backup-master-transitions | master-backup-transitions)*>
<!ATTLIST group-vrrp-state-transition-statistics junos:style CDATA #IMPLIED>

<!ELEMENT groups (#PCDATA)>

<!ELEMENT idle-backup-transitions (#PCDATA)>

<!ELEMENT idle-master-transitions (#PCDATA)>

<!ELEMENT index (#PCDATA)>

<!ELEMENT interface (#PCDATA)>

```

<!ELEMENT interface-count (#PCDATA)>
<!ELEMENT interface-index (#PCDATA)>
<!ELEMENT interface-speed (#PCDATA)>
<!ELEMENT interface-state (#PCDATA)>
<!ELEMENT interface-tracking-state (#PCDATA)>
<!ELEMENT invalid-ipah-next-type-received (#PCDATA)>
<!ELEMENT invalid-vrrp-authentication-type-received (#PCDATA)>
<!ELEMENT invalid-vrrp-checksum-received (#PCDATA)>
<!ELEMENT invalid-vrrp-ip-count-received (#PCDATA)>
<!ELEMENT invalid-vrrp-pdu-type-received (#PCDATA)>
<!ELEMENT invalid-vrrp-ttl-value-received (#PCDATA)>
<!ELEMENT invalid-vrrp-version-received (#PCDATA)>
<!ELEMENT local-interface-address (#PCDATA)>
<!ELEMENT master-backup-transitions (#PCDATA)>
<!ELEMENT master-priority (#PCDATA)>
<!ELEMENT master-router (#PCDATA)>
<!ELEMENT master-router-ip (#PCDATA)>
<!ELEMENT master-router-uptime (#PCDATA)>
<!ELEMENT message (#PCDATA)>
<!ELEMENT missed-three-consecutive-send (#PCDATA)>
<!ELEMENT no-group-match-received (#PCDATA)>
<!ELEMENT packets-received (#PCDATA)>
<!ELEMENT parse-time (#PCDATA)>
<!ELEMENT peak-delay-violations-rate (#PCDATA)>
<!ELEMENT peak-expiration-rate (#PCDATA)>
<!ELEMENT peak-receive-rate (#PCDATA)>
<!ELEMENT peak-send-rate (#PCDATA)>
<!ELEMENT pending-priority (#PCDATA)>

```

<!ELEMENT physical-interface (#PCDATA)>

<!ELEMENT preempt (#PCDATA)>

<!ELEMENT preempt-hold (preempt | preempt-hold-time | accept-data-mode | vip-count |
vip)*>
<!ATTLIST preempt-hold junos:style CDATA #IMPLIED>

<!ELEMENT preempt-hold-time (#PCDATA)>

<!ELEMENT priority-active (#PCDATA)>

<!ELEMENT priority-cost (#PCDATA)>

<!ELEMENT priority-down-status (#PCDATA)>

<!ELEMENT priority-hold-time (#PCDATA)>

<!ELEMENT receive-rate (#PCDATA)>

<!ELEMENT remaining-time (#PCDATA)>

<!ELEMENT route-addr (#PCDATA)>

<!ELEMENT route-count (#PCDATA)>

<!ELEMENT route-instance (#PCDATA)>

<!ELEMENT route-priority (#PCDATA)>

<!ELEMENT route-state (#PCDATA)>

<!ELEMENT route-tracking-state (#PCDATA)>

<!ELEMENT router-ip (#PCDATA)>

<!ELEMENT send-rate (#PCDATA)>

<!ELEMENT snmp-interface-index (#PCDATA)>

<!ELEMENT timer-name (#PCDATA)>

<!ELEMENT timer-value (#PCDATA)>

<!ELEMENT track-route-entry (route-addr | route-state | route-priority | interface | group |
configured-priority | current-priority | vrrp-state)*>
<!ATTLIST track-route-entry junos:style CDATA #IMPLIED>

<!ELEMENT track-route-node-information (route-addr | route-instance | route-state |
route-priority)*>
<!ATTLIST track-route-node-information junos:style CDATA #IMPLIED>

<!ELEMENT track-vrrpd-interface (tracked-interface | interface-state | interface-speed |
current-priority-cost | bandwidth)*>
<!ATTLIST track-vrrpd-interface junos:style CDATA #IMPLIED>

<!ELEMENT tracked-interface (#PCDATA)>

```

```

<!ELEMENT tracking (#PCDATA)>

<!ELEMENT unit (#PCDATA)>

<!ELEMENT vip (#PCDATA)>

<!ELEMENT vip-count (#PCDATA)>

<!ELEMENT virtual-ip-address (#PCDATA)>

<!ELEMENT virtual-mac (#PCDATA)>

<!ELEMENT virtual-router-uptime (#PCDATA)>

<!ELEMENT vlan-address (#PCDATA)>

<!ELEMENT vlan-id (#PCDATA)>

<!ELEMENT vlan-tag (#PCDATA)>

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

<!ELEMENT vrrp-interface (groups | active | physical-interface | interface | address |
interface-state | group | vrrp-state | timer-name | timer-value | local-interface-address |
vrrp-vlan | bandwidth | group-vrrp-pdu-statistics | group-vrrp-pdu-error-statistics |
group-vrrp-state-transition-statistics | preempt-hold | virtual-ip-address | unit | index |
interface-index | snmp-interface-index | vrrp-traps | group-priority | advertisement-interval |
authentication-type | delay-threshold | computed-send-rate | preempt |
accept-data-mode | vip-count | vip | dead-timer | master-priority | master-router-ip |
master-router | router-ip | virtual-router-uptime | master-router-uptime | virtual-mac |
tracking | preempt-hold-time | current-priority | configured-priority | priority-hold-time |
remaining-time | pending-priority | interface-tracking-state | interface-count |
route-tracking-state | route-count | interface-speed | current-priority-cost |
tracked-interface | track-route-node-information | track-vrrpd-interface | track-route-entry
| vrrp-message | invalid-ipah-next-type-received | invalid-vrrp-ttl-value-received |
invalid-vrrp-version-received | invalid-vrrp-pdu-type-received |
invalid-vrrp-authentication-type-received | invalid-vrrp-ip-count-received |
invalid-vrrp-checksum-received | advertisement-timer | packets-received |
no-group-match-received | advertisement-sent | advertisement-received)*>

<!ELEMENT vrrp-interface-profile (interface | unit | group | advertisement-timer |
delay)*>

<!ELEMENT vrrp-message (message)*>

<!ELEMENT vrrp-profile-statistics (vrrp-interface-profile | parse-time | delay-violations |
delay-violations-rate | peak-delay-violations-rate | missed-three-consecutive-send |
send-rate | peak-send-rate | receive-rate | peak-receive-rate | expirations | expiration-rate
| peak-expiration-rate)*>

<!ELEMENT vrrp-state (#PCDATA)>

<!ELEMENT vrrp-traps (#PCDATA)>

<!ELEMENT vrrp-vlan (physical-interface | unit | vlan-id | vlan-tag | vlan-address)*>

```

```
<!ATTLIST vrrp-vlan junos:style CDATA #IMPLIED>
```