

## Chapter 39

# DTD for MIP Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-mip.dtd`, which lists the JUNOS XML tags that contain MIP information. The associated XML namespace is <http://xml.juniper.net/junos/9.3R1/junos-mip>. To review reference pages for the tags, see “Summary of MIP Response Tags” on page 1023.

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

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

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

```
<!ELEMENT addr-pool (start-addr | end-addr)*>
```

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

```
<!ELEMENT address-list (address)*>
```

```
<!ELEMENT administrative-prohibited (#PCDATA)>
```

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

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

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

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

```
<!ELEMENT end-addr (#PCDATA)>
```

```
<!ELEMENT failed-fa (#PCDATA)>
```

```
<!ELEMENT failed-ha (#PCDATA)>
```

```
<!ELEMENT failed-mn (#PCDATA)>
```

```
<!ELEMENT ha-unreachable (#PCDATA)>
```

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

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

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

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

```

<!ELEMENT lifetime-granted (#PCDATA)>

<!ELEMENT lifetime-remaining (#PCDATA)>

<!ELEMENT mip-binding (mip-home-address | mip-nai | mip-home-agent |
mip-care-of-address | lifetime-granted | lifetime-remaining | tunnel-type | tunnel-id |
tunnel-source | tunnel-destination | identification | revocation-support |
revocation-inform | count)*>

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

<!ELEMENT mip-care-of-address (#PCDATA)>

<!ELEMENT mip-error (mip-error-message)*>

<!ELEMENT mip-error-message (#PCDATA)>

<!ELEMENT mip-fa (mip-fa-status | mip-fa-max-pending-request | mip-fa-request-timeout
| mip-fa-registration-required | mip-fa-registration-lifetime | mip-fa-coa |
mip-fa-serice-enabled | mip-fa-reverse-tunnel)*>

<!ELEMENT mip-fa-coa (#PCDATA)>

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

<!ELEMENT mip-fa-max-pending-request (#PCDATA)>

<!ELEMENT mip-fa-registration-lifetime (#PCDATA)>

<!ELEMENT mip-fa-registration-required (#PCDATA)>

<!ELEMENT mip-fa-request-timeout (#PCDATA)>

<!ELEMENT mip-fa-reverse-tunnel (#PCDATA)>

<!ELEMENT mip-fa-serice-enabled (#PCDATA)>

<!ELEMENT mip-fa-status (#PCDATA)>

<!ELEMENT mip-home-address (#PCDATA)>

<!ELEMENT mip-home-agent (#PCDATA)>

<!ELEMENT mip-home-agent-interface-network (interface | mip-home-agent |
registration-lifetime | time-tolerance | addr-pool | number-of-mn | mip-home-address |
range | mip-nai | mip-care-of-address | lifetime-granted | lifetime-remaining)*>

<!ELEMENT mip-home-agent-interface-network-information
(mip-home-agent-interface-network)*>
<!ATTLIST mip-home-agent-interface-network-information junos:style CDATA #IMPLIED>

<!ELEMENT mip-home-agent-overview (status | service-enabled-on | address-list |
authentication)*>

```

```

<!ELEMENT mip-home-agent-overview-information (mip-home-agent-overview)*>
<!--ATTLIST mip-home-agent-overview-information junos:style CDATA #IMPLIED-->

<!ELEMENT mip-home-agent-traffic (request-received | request-forwarded |
request-denied | replies-forwarded | unspecified | administrative-prohibited |
no-resource | bad-request | too-many-bindings | unknown-ha | id-mismatch |
unavailable-reverse-tunnel | unavailable-encapsulation | failed-mn | failed-fa)*>

<!ELEMENT mip-home-agent-traffic-information (mip-home-agent-traffic)*>
<!--ATTLIST mip-home-agent-traffic-information junos:style CDATA #IMPLIED-->

<!ELEMENT mip-home-agent-virtual-network (mip-home-agent | registration-lifetime |
time-tolerance | addr-pool | number-of-mn | mip-home-address | mip-nai |
mip-care-of-address | lifetime-granted | lifetime-remaining)*>

<!ELEMENT mip-home-agent-virtual-network-information
(mip-home-agent-virtual-network)*>
<!--ATTLIST mip-home-agent-virtual-network-information junos:style CDATA #IMPLIED-->

<!ELEMENT mip-nai (#PCDATA)>

<!ELEMENT mip-security (mip-nai | mip-home-address | mip-security-spi |
mip-security-algorithm | mip-security-key | mip-security-replay | mip-security-replay-type |
mip-security-time-tolerance | mip-security-count)*>

<!ELEMENT mip-security-algorithm (#PCDATA)>

<!ELEMENT mip-security-count (#PCDATA)>

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

<!ELEMENT mip-security-key (#PCDATA)>

<!ELEMENT mip-security-replay (#PCDATA)>

<!ELEMENT mip-security-replay-type (#PCDATA)>

<!ELEMENT mip-security-spi (#PCDATA)>

<!ELEMENT mip-security-time-tolerance (#PCDATA)>

<!ELEMENT mip-statistics-information (registration-request-received |
registration-request-accepted | registration-request-rejected)*>

<!ELEMENT mip-traffic (request-received | request-forwarded | request-denied |
replies-received | replies-forwarded | replies-denied | unspecified | ha-unreachable |
administrative-prohibited | no-resource | bad-lifetime | bad-request |
unavailable-encapsulation | unavailable-reverse-tunnel | failed-mn | failed-ha |
unknown-challenge | missing-challenge | stale-challenge)*>

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

<!ELEMENT mip-tunnel (mip-tunnel-source | mip-tunnel-destination | mip-tunnel-type)*>

<!ELEMENT mip-tunnel-destination (#PCDATA)>

```

```

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

<!ELEMENT mip-tunnel-source (#PCDATA)>

<!ELEMENT mip-tunnel-type (#PCDATA)>

<!ELEMENT mip-violation (mip-nai | mip-home-address | mip-violation-code |
mip-violation-time | mip-violation-spi | mip-violation-error-code | mip-violation-reason |
mip-violation-count-per-peer | mip-violation-totol-count)*>

<!ELEMENT mip-violation-code (#PCDATA)>

<!ELEMENT mip-violation-count-per-peer (#PCDATA)>

<!ELEMENT mip-violation-error-code (#PCDATA)>

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

<!ELEMENT mip-violation-reason (#PCDATA)>

<!ELEMENT mip-violation-spi (#PCDATA)>

<!ELEMENT mip-violation-time (#PCDATA)>

<!ELEMENT mip-violation-totol-count (#PCDATA)>

<!ELEMENT mip-visitor (mip-nai | mip-home-address | mip-home-agent |
mip-care-of-address | mip-visitor-time-requested | mip-visitor-time-alloted |
mip-visitor-time-remaining | mip-visitor-count | mip-visitor-pending-count)*>

<!ELEMENT mip-visitor-count (#PCDATA)>

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

<!ELEMENT mip-visitor-pending-count (#PCDATA)>

<!ELEMENT mip-visitor-time-alloted (#PCDATA)>

<!ELEMENT mip-visitor-time-remaining (#PCDATA)>

<!ELEMENT mip-visitor-time-requested (#PCDATA)>

<!ELEMENT missing-challenge (#PCDATA)>

<!ELEMENT no-resource (#PCDATA)>

<!ELEMENT number-of-mn (#PCDATA)>

<!ELEMENT range (#PCDATA)>

<!ELEMENT registration-lifetime (#PCDATA)>

<!ELEMENT registration-request-accepted (#PCDATA)>

```

<!ELEMENT registration-request-received (#PCDATA)>  
<!ELEMENT registration-request-rejected (#PCDATA)>  
<!ELEMENT replies-denied (#PCDATA)>  
<!ELEMENT replies-forwarded (#PCDATA)>  
<!ELEMENT replies-received (#PCDATA)>  
<!ELEMENT request-denied (#PCDATA)>  
<!ELEMENT request-forwarded (#PCDATA)>  
<!ELEMENT request-received (#PCDATA)>  
<!ELEMENT revocation-inform (#PCDATA)>  
<!ELEMENT revocation-support (#PCDATA)>  
<!ELEMENT service-enabled-on (interface-name)\*>  
<!ELEMENT stale-challenge (#PCDATA)>  
<!ELEMENT start-addr (#PCDATA)>  
<!ELEMENT status (#PCDATA)>  
<!ELEMENT time-tolerance (#PCDATA)>  
<!ELEMENT too-many-bindings (#PCDATA)>  
<!ELEMENT tunnel-destination (#PCDATA)>  
<!ELEMENT tunnel-id (#PCDATA)>  
<!ELEMENT tunnel-source (#PCDATA)>  
<!ELEMENT tunnel-type (#PCDATA)>  
<!ELEMENT unavailable-encapsulation (#PCDATA)>  
<!ELEMENT unavailable-reverse-tunnel (#PCDATA)>  
<!ELEMENT unknown-challenge (#PCDATA)>  
<!ELEMENT unknown-ha (#PCDATA)>  
<!ELEMENT unspecified (#PCDATA)>

