

## Chapter 19

# DTD for DHCP Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-dhcp.dtd`, which lists the JUNOS XML tags that contain Dynamic Host Configuration Protocol (DHCP) information. The associated XML namespace is <http://xml.juniper.net/junos/9.4R1/junos-dhcp>. To review reference pages for the tags, see “Summary of DHCP Response Tags” on page 666.

```
<!-- Copyright (c) 2000-2008, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-dhcp.dtd -->
```

```
<!ELEMENT active-lease-count (#PCDATA)>
```

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

```
<!ELEMENT address-pool-excluded-address (#PCDATA)>
```

```
<!ELEMENT address-pool-high-address (#PCDATA)>
```

```
<!ELEMENT address-pool-low-address (#PCDATA)>
```

```
<!ELEMENT address-pool-name (#PCDATA)>
```

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

```
<!ELEMENT assigned-lease-count (#PCDATA)>
```

```
<!ELEMENT bootp-dropped-packets (#PCDATA)>
```

```
<!ELEMENT bootp-dropped-packets-badaddr (#PCDATA)>
```

```
<!ELEMENT bootp-dropped-packets-badread (#PCDATA)>
```

```
<!ELEMENT bootp-dropped-packets-badsend (#PCDATA)>
```

```
<!ELEMENT bootp-dropped-packets-nointerface (#PCDATA)>
```

```
<!ELEMENT bootp-dropped-packets-nolocaladdr (#PCDATA)>
```

```
<!ELEMENT bootp-dropped-packets-noroute (#PCDATA)>
```

```
<!ELEMENT bootp-dropped-packets-nortinst (#PCDATA)>
```

```
<!ELEMENT bootp-forwarded-packets (#PCDATA)>
```

```

<!ELEMENT bootp-lease-length (#PCDATA)>

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

<!ELEMENT bootp-relay-address (#PCDATA)>

<!ELEMENT client-identifier (hex-data | hex-data-line | printable-data-line)*>

<!ELEMENT conflict-address (#PCDATA)>

<!ELEMENT conflict-count (#PCDATA)>

<!ELEMENT default-lease-time (#PCDATA)>

<!ELEMENT detection-method (#PCDATA)>

<!ELEMENT detection-time (#PCDATA)>

<!ELEMENT dhcp-binding (allocated-address | mac-address | dhcp-lease-binding-type |
lease-end-time | lease-state | dhcp-option-table | address-pool-name | interface-name |
bootp-relay-address | dhcp-lease-information | client-identifier)*>

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

<!ELEMENT dhcp-conflict (detection-time | detection-method | conflict-address)*>

<!ELEMENT dhcp-conflict-information (dhcp-conflict)*>

<!ELEMENT dhcp-global-information (dhcp-lease-time-information | dhcp-option-table |
bootp-lease-length)*>

<!ELEMENT dhcp-lease-binding-type (#PCDATA)>

<!ELEMENT dhcp-lease-information (dhcp-lease-type | lease-start-time | lease-end-time |
lease-state)*>

<!ELEMENT dhcp-lease-time-information (default-lease-time | minimum-lease-time |
maximum-lease-time)*>

<!ELEMENT dhcp-lease-type (#PCDATA)>

<!ELEMENT dhcp-option (dhcp-option-code | dhcp-option-name | dhcp-option-type |
dhcp-option-value)*>

<!ELEMENT dhcp-option-code (#PCDATA)>

<!ELEMENT dhcp-option-name (#PCDATA)>

<!ELEMENT dhcp-option-table (dhcp-option)*>

<!ELEMENT dhcp-option-type (#PCDATA)>

<!ELEMENT dhcp-option-value (#PCDATA)>

```

```
<!ELEMENT dhcp-pool (address-pool-name | address-pool-low-address |
address-pool-high-address | address-pool-excluded-address |
dhcp-lease-time-information | dhcp-option-table | address-count | assigned-lease-count |
active-lease-count | offered-lease-count | expired-lease-count | conflict-count |
exclusion-count)*>
```

```
<!ELEMENT dhcp-pool-information (dhcp-pool)*>
<!ATTLIST dhcp-pool-information junos:style CDATA #IMPLIED>
```

```
<!ELEMENT dhcp-statistics-information (dropped-packet-total |
dropped-packet-bad-hardware | dropped-packet-bad-opcode |
dropped-packet-bad-options | dropped-packet-invalid-server-address |
dropped-packet-no-addresses | dropped-packet-no-interface |
dropped-packet-no-routing-instance | dropped-packet-no-local-address |
dropped-packet-too-short | dropped-packet-read-error | dropped-packet-send-error |
message-table)*>
```

```
<!ELEMENT dropped-packet-bad-hardware (#PCDATA)>
```

```
<!ELEMENT dropped-packet-bad-opcode (#PCDATA)>
```

```
<!ELEMENT dropped-packet-bad-options (#PCDATA)>
```

```
<!ELEMENT dropped-packet-invalid-server-address (#PCDATA)>
```

```
<!ELEMENT dropped-packet-no-addresses (#PCDATA)>
```

```
<!ELEMENT dropped-packet-no-interface (#PCDATA)>
```

```
<!ELEMENT dropped-packet-no-local-address (#PCDATA)>
```

```
<!ELEMENT dropped-packet-no-routing-instance (#PCDATA)>
```

```
<!ELEMENT dropped-packet-read-error (#PCDATA)>
```

```
<!ELEMENT dropped-packet-send-error (#PCDATA)>
```

```
<!ELEMENT dropped-packet-too-short (#PCDATA)>
```

```
<!ELEMENT dropped-packet-total (#PCDATA)>
```

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

```
<!ELEMENT expired-lease-count (#PCDATA)>
```

```
<!ELEMENT helper-statistics (relay-information)*>
```

```
<!ELEMENT hex-data (#PCDATA)>
```

```
<!ELEMENT hex-data-line (#PCDATA)>
```

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

```
<!ELEMENT lease-end-time (#PCDATA)>
```

```
<!ATTLIST lease-end-time junos:seconds CDATA #IMPLIED>
```

```
<!ELEMENT lease-start-time (#PCDATA)>
```

```

<!ATTLIST lease-start-time junos:seconds CDATA #IMPLIED>

<!ELEMENT lease-state (#PCDATA)>

<!ELEMENT mac-address (#PCDATA)>

<!ELEMENT maximum-lease-time (#PCDATA)>

<!ELEMENT message (message-name | message-count)*>

<!ELEMENT message-count (#PCDATA)>

<!ELEMENT message-direction (#PCDATA)>

<!ELEMENT message-name (#PCDATA)>

<!ELEMENT message-table (message-direction | message)*>

<!ELEMENT minimum-lease-time (#PCDATA)>

<!ELEMENT offered-lease-count (#PCDATA)>

<!ELEMENT printable-data-line (#PCDATA)>

<!ELEMENT relay-information (bootp-received-packets | bootp-forwarded-packets |
bootp-dropped-packets | bootp-dropped-packets-nointerface |
bootp-dropped-packets-nortinst | bootp-dropped-packets-badread |
bootp-dropped-packets-badsend | bootp-dropped-packets-badaddr |
bootp-dropped-packets-nolocaladdr | bootp-dropped-packets-noroute)*>

```