

Chapter 54

DTD for Services Accounting Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-services-accounting.dtd`, which lists the JUNOS XML tags that contain services accounting records. The associated XML namespace is `http://xml.juniper.net/junos/9.3R1/junos-services-accounting`. To review reference pages for the tags, see “Summary of Services Accounting Response Tags” on page 1508.

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

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

```
<!-- junos-services-accounting.dtd -->
```

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

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<!ELEMENT active-timeout-failures (#PCDATA)>
```

```
<!ELEMENT allocation-count (#PCDATA)>
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```
<!ELEMENT allocations-per-second (#PCDATA)>
```

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

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

```
<!ELEMENT destination-as (#PCDATA)>
```

```
<!ELEMENT destination-mask (#PCDATA)>
```

```
<!ELEMENT destination-port (#PCDATA)>
```

```
<!ATTLIST destination-port junos:format CDATA #IMPLIED>
```

```
<!ELEMENT destination-prefix-length (#PCDATA)>
```

```
<!ELEMENT detail-entry (tos | protocol | tcp-flags | source-address | source-prefix-length  
| destination-address | destination-prefix-length | source-port | destination-port |  
input-snmp-interface-index | output-snmp-interface-index | input-interface-name |  
output-interface-name | source-as | destination-as | start-time | end-time | packet-count  
| byte-count | last-active-timeout | source-mask | destination-mask | icmp-type |  
mpls-label-1 | mpls-label-2 | mpls-label-3 | flow-count)*>
```

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

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

```

<!ELEMENT error-allocation-failures (#PCDATA)>

<!ELEMENT error-bytes-per-second-overload (#PCDATA)>

<!ELEMENT error-free-failures (#PCDATA)>

<!ELEMENT error-free-list-failures (#PCDATA)>

<!ELEMENT error-information (error-packets-dropped-no-memory |
error-packets-dropped-not-ip | error-packets-dropped-not-ipv4 | error-packets-too-small |
error-allocation-failures | error-free-failures | error-free-list-failures |
error-memory-warning | error-memory-overload | error-packets-per-second-overload |
error-bytes-per-second-overload)*>

<!ELEMENT error-memory-overload (#PCDATA)>

<!ELEMENT error-memory-warning (#PCDATA)>

<!ELEMENT error-packets-dropped-no-memory (#PCDATA)>

<!ELEMENT error-packets-dropped-not-ip (#PCDATA)>

<!ELEMENT error-packets-dropped-not-ipv4 (#PCDATA)>

<!ELEMENT error-packets-per-second-overload (#PCDATA)>

<!ELEMENT error-packets-too-small (#PCDATA)>

<!ELEMENT export-packet-failures (#PCDATA)>

<!ELEMENT five-second-load (#PCDATA)>

<!ELEMENT flow-aggregate-as-detail (detail-entry)*>
<!ATTLIST flow-aggregate-as-detail junos:style CDATA #IMPLIED>

<!ELEMENT flow-aggregate-destination-prefix-detail (detail-entry)*>
<!ATTLIST flow-aggregate-destination-prefix-detail junos:style CDATA #IMPLIED>

<!ELEMENT flow-aggregate-protocol-port-detail (detail-entry)*>
<!ATTLIST flow-aggregate-protocol-port-detail junos:style CDATA #IMPLIED>

<!ELEMENT flow-aggregate-source-destination-prefix-detail (detail-entry)*>
<!ATTLIST flow-aggregate-source-destination-prefix-detail junos:style CDATA #IMPLIED>

<!ELEMENT flow-aggregate-source-prefix-detail (detail-entry)*>
<!ATTLIST flow-aggregate-source-prefix-detail junos:style CDATA #IMPLIED>

<!ELEMENT flow-aggregate-template-detail (flow-aggregate-template-detail-ipv4 |
flow-aggregate-template-detail-mpls | flow-aggregate-template-detail-mpls-ipv4)*>

<!ELEMENT flow-aggregate-template-detail-ipv4 (detail-entry)*>
<!ATTLIST flow-aggregate-template-detail-ipv4 junos:style CDATA #IMPLIED>

<!ELEMENT flow-aggregate-template-detail-mpls (detail-entry)*>
<!ATTLIST flow-aggregate-template-detail-mpls junos:style CDATA #IMPLIED>

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<!ELEMENT flow-aggregate-template-detail-mpls-ipv4 (detail-entry)*>
<!--ATTLIST flow-aggregate-template-detail-mpls-ipv4 junos:style CDATA #IMPLIED-->

<!ELEMENT flow-bytes (#PCDATA)>

<!ELEMENT flow-bytes-ten-second-rate (#PCDATA)>

<!ELEMENT flow-count (#PCDATA)>

<!ELEMENT flow-creation-failures (#PCDATA)>

<!ELEMENT flow-detail (detail-entry)*>
<!--ATTLIST flow-detail junos:style CDATA #IMPLIED-->

<!ELEMENT flow-information (flow-packets | flow-bytes | flow-packets-ten-second-rate |
flow-bytes-ten-second-rate | active-flows | flows | flows-exported | flow-packets-exported |
flows-expired | flows-aged)*>

<!ELEMENT flow-packets (#PCDATA)>

<!ELEMENT flow-packets-exported (#PCDATA)>

<!ELEMENT flow-packets-ten-second-rate (#PCDATA)>

<!ELEMENT flows (#PCDATA)>

<!ELEMENT flows-aged (#PCDATA)>

<!ELEMENT flows-expired (#PCDATA)>

<!ELEMENT flows-exported (#PCDATA)>

<!ELEMENT free-count (#PCDATA)>

<!ELEMENT frees-per-second (#PCDATA)>

<!ELEMENT icmp-type (#PCDATA)>

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

<!--ATTLIST input-snmpp-interface-index (#PCDATA)-->

<!ELEMENT interface-name (#PCDATA)>

<!ELEMENT inttime (#PCDATA)>

<!--ATTLIST last-active-timeout (time-delta | last-packet-count | last-byte-count)*-->

<!ELEMENT last-byte-count (#PCDATA)>

<!--ATTLIST last-packet-count (#PCDATA)-->

<!--ATTLIST local-index (#PCDATA)-->

<!--ATTLIST maximum-allocated (#PCDATA)-->

<!--ATTLIST memory-free (#PCDATA)-->

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<!ELEMENT memory-information (allocation-count | free-count | maximum-allocated |
allocations-per-second | frees-per-second | memory-used | memory-free |
v9-memory-used)*>
<!ATTLIST memory-information junos:style CDATA #IMPLIED>

<!ELEMENT memory-overload (#PCDATA)>

<!ELEMENT memory-used (#PCDATA)>

<!ELEMENT mpls-label-1 (#PCDATA)>

<!ELEMENT mpls-label-2 (#PCDATA)>

<!ELEMENT mpls-label-3 (#PCDATA)>

<!ELEMENT one-minute-load (#PCDATA)>

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

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

<!ELEMENT packet-count (#PCDATA)>

<!ELEMENT packet-distribution-information (packet-size-range-start |
packet-size-range-end | range-number-packets | range-percentage-packets)*>

<!ELEMENT packet-size-range-end (#PCDATA)>

<!ELEMENT packet-size-range-start (#PCDATA)>

<!ELEMENT pic-status (#PCDATA)>

<!ELEMENT protocol (#PCDATA)>
<!ATTLIST protocol junos:format CDATA #IMPLIED>

<!ELEMENT range-number-packets (#PCDATA)>

<!ELEMENT range-percentage-packets (#PCDATA)>

<!ELEMENT service-name (#PCDATA)>

<!ELEMENT service-set-dropped (#PCDATA)>

<!ELEMENT services-accounting-information (service-name | interface-name | pic-status
| local-index | usage-information | memory-information | flow-information |
packet-distribution-information | error-information | v9-error-information |
status-information | flow-detail | flow-aggregate-template-detail | flow-aggregate-as-detail
| flow-aggregate-protocol-port-detail | flow-aggregate-source-prefix-detail |
flow-aggregate-destination-prefix-detail |
flow-aggregate-source-destination-prefix-detail)*>
<!ATTLIST services-accounting-information junos:style CDATA #IMPLIED>

<!ELEMENT source-address (#PCDATA)>

<!ELEMENT source-as (#PCDATA)>

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<!ELEMENT source-mask (#PCDATA)>

<!ELEMENT source-port (#PCDATA)>
<!ATTLIST source-port junos:format CDATA #IMPLIED>

<!ELEMENT source-prefix-length (#PCDATA)>

<!ELEMENT start-time (#PCDATA)>
<!ATTLIST start-time junos:seconds CDATA #IMPLIED>

<!ELEMENT status-as-count (#PCDATA)>

<!ELEMENT status-engine-id (#PCDATA)>

<!ELEMENT status-engine-type (#PCDATA)>

<!ELEMENT status-export-format (#PCDATA)>

<!ELEMENT status-export-interval (#PCDATA)>

<!ELEMENT status-ifl-snmp-map-count (#PCDATA)>

<!ELEMENT status-information (status-service-id | status-export-interval |
status-export-format | status-proto | status-engine-type | status-engine-id |
status-route-record-count | status-ifl-snmp-map-count | status-as-count |
status-monitor-time-set | status-monitor-config-set | status-monitor-route-record-set |
status-monitor-ifl-snmp-set)*>
<!ATTLIST status-information junos:style CDATA #IMPLIED>

<!ELEMENT status-monitor-config-set (#PCDATA)>

<!ELEMENT status-monitor-ifl-snmp-set (#PCDATA)>

<!ELEMENT status-monitor-route-record-set (#PCDATA)>

<!ELEMENT status-monitor-time-set (#PCDATA)>

<!ELEMENT status-proto (#PCDATA)>

<!ELEMENT status-route-record-count (#PCDATA)>

<!ELEMENT status-service-id (#PCDATA)>

<!ELEMENT tcp-flags (#PCDATA)>

<!ELEMENT time-delta (#PCDATA)>
<!ATTLIST time-delta junos:seconds CDATA #IMPLIED>

<!ELEMENT tos (#PCDATA)>

<!ELEMENT uptime (#PCDATA)>

```

<!ELEMENT usage-information (uptime | inttime | five-second-load | one-minute-load)*>

<!ELEMENT v9-error-information (service-set-dropped | active-timeout-failures |
export-packet-failures | flow-creation-failures | memory-overload)*>

<!ELEMENT v9-memory-used (#PCDATA)>