

show dhcp server statistics

| | |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Syntax | show dhcp server statistics <logical-system <i>logical-system-name</i> > <routing-instance <i>routing-instance-name</i> > |
| Release Information | Command introduced in JUNOS Release 9.0. |
| Description | Display extended Dynamic Host Configuration Protocol (DHCP) local server statistics. |
| Options | <p>logical-system <i>logical-system-name</i>—(Optional) Display information about extended DHCP local server statistics on the specified logical system. If you do not specify a logical system, statistics are displayed for the default logical system.</p> <p>routing-instance <i>routing-instance-name</i>—(Optional) Display information about extended DHCP local server statistics on the specified routing instance. If you do not specify a routing instance, statistics are displayed for the default routing instance.</p> |
| Required Privilege Level | view |
| Related Topics | [Unresolved xref] |
| List of Sample Output | show dhcp server statistics on page 2 |
| Output Fields | Table 1 on page 2 lists the output fields for the show dhcp server statistics command. Output fields are listed in the approximate order in which they appear. |

Table 1: show dhcp server statistics Output Fields

| Field Name | Field Description |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Packets dropped | <p>Number of packets discarded by the extended DHCP local server because of errors. Only nonzero statistics appear in the Packets dropped output. When all of the Packets dropped statistics are 0 (zero), only the Total field appears.</p> <ul style="list-style-type: none"> ■ Total—Total number of packets discarded by the extended DHCP local server ■ Bad hardware address—Number of packets discarded because an invalid hardware address was specified ■ Bad opcode—Number of packets discarded because an invalid operation code was specified ■ Bad options—Number of packets discarded because invalid options were specified ■ Invalid server address—Number of packets discarded because an invalid server address was specified ■ No available addresses—Number of packets discarded because there were no addresses available for assignment ■ No interface match—Number of packets discarded because they did not belong to a configured interface ■ No routing instance match—Number of packets discarded because they did not belong to a configured routing instance ■ No valid local address—Number of packets discarded because there was no valid local address ■ Packet too short—Number of packets discarded because they were too short ■ Read error—Number of packets discarded because of a system read error ■ Send error—Number of packets that the extended DHCP local server could not send |
| Messages received | <p>Number of DHCP messages received.</p> <ul style="list-style-type: none"> ■ BOOTREQUEST—Number of BOOTP protocol data units (PDUs) received ■ DHCPDECLINE—Number of DHCP PDUs of type DECLINE received ■ DHCPDISCOVER—Number of DHCP PDUs of type DISCOVER received ■ DHCPINFORM—Number of DHCP PDUs of type INFORM received ■ DHCPRELEASE—Number of DHCP PDUs of type RELEASE received ■ DHCPREQUEST—Number of DHCP PDUs of type REQUEST received |
| Messages sent | <p>Number of DHCP messages sent.</p> <ul style="list-style-type: none"> ■ BOOTREPLY—Number of BOOTP PDUs transmitted ■ DHCPOFFER—Number of DHCP OFFER PDUs transmitted ■ DHCPACK—Number of DHCP ACK PDUs transmitted ■ DHCPNACK—Number of DHCP NACK PDUs transmitted |

```

show dhcp server statistics user@host> show dhcp server statistics
Packets dropped:
    Total                  30
    Bad hardware address    1
    Bad opcode              1
    Bad options             3
    Invalid server address  5
    No available addresses  1
    No interface match      2
    No routing instance match 9
    No valid local address  4

```

| | |
|--------------------|-------|
| Packet too short | 2 |
| Read error | 1 |
| Send error | 1 |
| Messages received: | |
| BOOTREQUEST | 89163 |
| DHCPDECLINE | 0 |
| DHCPDISCOVER | 8110 |
| DHCPINFORM | 0 |
| DHCPRELEASE | 0 |
| DHCPREQUEST | 81053 |
| Messages sent: | |
| BOOTREPLY | 32420 |
| DHCPOFFER | 8110 |
| DHCPACK | 8110 |
| DHCPNAK | 8100 |

