

## show dhcp server statistics

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<b>Syntax</b>	show dhcp server statistics <logical-system <i>logical-system-name</i> > <routing-instance <i>routing-instance-name</i> >
<b>Release Information</b>	Command introduced in JUNOS Release 9.0.
<b>Description</b>	Display extended Dynamic Host Configuration Protocol (DHCP) local server statistics.
<b>Options</b>	<p><i>logical-system 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><i>routing-instance 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>
<b>Required Privilege Level</b>	view
<b>Related Topics</b>	<a href="#">[Unresolved xref]</a>
<b>List of Sample Output</b>	show dhcp server statistics on page 2
<b>Output Fields</b>	Table 1 on page 2 lists the output fields for the <code>show dhcp server statistics</code> 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"> <li>■ Total—Total number of packets discarded by the extended DHCP local server</li> <li>■ Bad hardware address—Number of packets discarded because an invalid hardware address was specified</li> <li>■ Bad opcode—Number of packets discarded because an invalid operation code was specified</li> <li>■ Bad options—Number of packets discarded because invalid options were specified</li> <li>■ Invalid server address—Number of packets discarded because an invalid server address was specified</li> <li>■ No available addresses—Number of packets discarded because there were no addresses available for assignment</li> <li>■ No interface match—Number of packets discarded because they did not belong to a configured interface</li> <li>■ No routing instance match—Number of packets discarded because they did not belong to a configured routing instance</li> <li>■ No valid local address—Number of packets discarded because there was no valid local address</li> <li>■ Packet too short—Number of packets discarded because they were too short</li> <li>■ Read error—Number of packets discarded because of a system read error</li> <li>■ Send error—Number of packets that the extended DHCP local server could not send</li> </ul>
Messages received	<p>Number of DHCP messages received.</p> <ul style="list-style-type: none"> <li>■ BOOTREQUEST—Number of BOOTP protocol data units (PDUs) received</li> <li>■ DHCPDECLINE—Number of DHCP PDUs of type DECLINE received</li> <li>■ DHCPDISCOVER—Number of DHCP PDUs of type DISCOVER received</li> <li>■ DHCPINFORM—Number of DHCP PDUs of type INFORM received</li> <li>■ DHCPRELEASE—Number of DHCP PDUs of type RELEASE received</li> <li>■ DHCPREQUEST—Number of DHCP PDUs of type REQUEST received</li> </ul>
Messages sent	<p>Number of DHCP messages sent.</p> <ul style="list-style-type: none"> <li>■ BOOTREPLY—Number of BOOTP PDUs transmitted</li> <li>■ DHCPOFFER—Number of DHCP OFFER PDUs transmitted</li> <li>■ DHCPACK—Number of DHCP ACK PDUs transmitted</li> <li>■ DHCPNACK—Number of DHCP NACK PDUs transmitted</li> </ul>

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show dhcp server user@host> show dhcp server statistics
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

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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

