

## show dhcp relay statistics

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<b>Syntax</b>	show dhcp relay statistics <logical-system <i>logical-system-name</i> > <routing-instance <i>routing-instance-name</i> >
<b>Release Information</b>	Command introduced in JUNOS Release 8.3.
<b>Description</b>	Display Dynamic Host Configuration Protocol (DHCP) relay statistics.
<b>Options</b>	<p><b>logical-system <i>logical-system-name</i></b>—(Optional) Perform this operation on the specified logical system. If you do not specify a logical system name, statistics are displayed for the default logical system.</p> <p><b>routing-instance <i>routing-instance-name</i></b>—(Optional) Perform this operation on the specified routing instance. If you do not specify a routing instance name, statistics are displayed for the default routing instance.</p>
<b>Required Privilege Level</b>	view
<b>Related Topics</b>	clear dhcp relay statistics
<b>List of Sample Output</b>	show dhcp relay statistics on page 2
<b>Output Fields</b>	Table 1 lists the output fields for the <code>show dhcp relay statistics</code> command. Output fields are listed in the approximate order in which they appear.

**Table 1: show dhcp relay statistics Output Fields**

Field Name	Field Description
Packets dropped	<p>Number of packets discarded by the extended DHCP relay agent application due to errors. Only nonzero statistics appear in the <b>Packets dropped</b> output. When all of the <b>Packets dropped</b> statistics are 0 (zero), only the <b>Total</b> field appears.</p> <ul style="list-style-type: none"> <li>■ <b>Total</b>—Total number of packets discarded by the extended DHCP relay agent application.</li> <li>■ <b>Bad hardware address</b>—Number of packets discarded because an invalid hardware address was specified.</li> <li>■ <b>Bad opcode</b>—Number of packets discarded because an invalid operation code was specified.</li> <li>■ <b>Bad options</b>—Number of packets discarded because invalid options were specified.</li> <li>■ <b>Invalid server address</b>—Number of packets discarded because an invalid server address was specified.</li> <li>■ <b>No available addresses</b>—Number of packets discarded because there were no addresses available for assignment.</li> <li>■ <b>No interface match</b>—Number of packets discarded because they did not belong to a configured interface.</li> <li>■ <b>No routing instance match</b>—Number of packets discarded because they did not belong to a configured routing instance.</li> <li>■ <b>No valid local address</b>—Number of packets discarded because there was no valid local address.</li> <li>■ <b>Packet too short</b>—Number of packets discarded because they were too short.</li> <li>■ <b>Read error</b>—Number of packets discarded because of a system read error.</li> <li>■ <b>Send error</b>—Number of packets that the extended DHCP relay application could not send.</li> <li>■ <b>Option 60</b>—Number of packets discarded containing DHCP option 60 vendor-specific information.</li> <li>■ <b>Option 82</b>—Number of packets discarded because DHCP option 82 information could not be added.</li> </ul>
Messages received	<p>Number of DHCP messages received.</p> <ul style="list-style-type: none"> <li>■ <b>BOOTREQUEST</b>—Number of BOOTP protocol data units (PDUs) received</li> <li>■ <b>DHCPDECLINE</b>—Number of DHCP PDUs of type DECLINE received</li> <li>■ <b>DHCPDISCOVER</b>—Number of DHCP PDUs of type DISCOVER received</li> <li>■ <b>DHCPINFORM</b>—Number of DHCP PDUs of type INFORM received</li> <li>■ <b>DHCPRELEASE</b>—Number of DHCP PDUs of type RELEASE received</li> <li>■ <b>DHCPREQUEST</b>—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>■ <b>BOOTREPLY</b>—Number of BOOTP PDUs transmitted</li> <li>■ <b>DHCPOFFER</b>—Number of DHCP OFFER PDUs transmitted</li> <li>■ <b>DHCPACK</b>—Number of DHCP ACK PDUs transmitted</li> <li>■ <b>DHCPNACK</b>—Number of DHCP NACK PDUs transmitted</li> </ul>

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show dhcp relay statistics user@host> show dhcp relay statistics
Packets dropped:
    Total                  30
    Bad hardware address   1
    Bad opcode             1
    Bad options            3
    Invalid server address 5

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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
Option 60	1
Option 82	2
Messages received:	
BOOTREQUEST	116
DHCPDECLINE	0
DHCPDISCOVER	11
DHCPINFORM	0
DHCPRELEASE	0
DHCPREQUEST	105
Messages sent:	
BOOTREPLY	44
DHCPOFFER	11
DHCPACK	11
DHCPNAK	11

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