

show dhcp relay statistics

Syntax	show dhcp relay statistics <logical-system <i>logical-system-name</i> > <routing-instance <i>routing-instance-name</i> >
Release Information	Command introduced in JUNOS Release 8.3.
Description	Display Dynamic Host Configuration Protocol (DHCP) relay statistics.
Options	<p>logical-system <i>logical-system-name</i>—(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>routing-instance <i>routing-instance-name</i>—(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>
Required Privilege Level	view
Related Topics	[Unresolved xref]
List of Sample Output	show dhcp relay statistics on page 2
Output Fields	Table 1 on page 2 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 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 relay agent application. ■ 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 relay application could not send. ■ Option 60—Number of packets discarded containing DHCP option 60 vendor-specific information. ■ Option 82—Number of packets discarded because DHCP option 82 information could not be added.
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

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

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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
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

