

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	clear dhcp server statistics
List of Sample Output	show dhcp server statistics on page 2
Output Fields	Table 1 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

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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

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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

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