

show dhcp relay binding

Syntax	show dhcp relay binding <detail> <interface <i>interface-name</i> > < <i>ip-address</i> <i>mac-address</i> > <logical-system <i>logical-system-name</i> > <routing-instance <i>routing-instance-name</i> >
Release Information	Command introduced in JUNOS Release 8.3. interface and <i>mac-address</i> options added in JUNOS Release 8.4.
Description	Display the address bindings in the Dynamic Host Configuration Protocol (DHCP) client table.
Options	detail —(Optional) Display detailed client binding information. interface <i>interface-name</i> —(Optional) Perform this operation on the specified interface. <i>ip-address</i> —(Optional) IP address of the DHCP client. <i>mac-address</i> —(Optional) MAC address of the DHCP client. logical-system <i>logical-system-name</i> —(Optional) Perform this operation on the specified logical system. routing-instance <i>routing-instance-name</i> —(Optional) Perform this operation on the specified routing instance.
Required Privilege Level	view
Related Topics	[Unresolved xref]
List of Sample Output	show dhcp relay binding on page 2 show dhcp relay binding detail on page 3 show dhcp relay binding interface on page 3 show dhcp relay binding ip-address on page 3 show dhcp relay binding ip-address detail on page 3 show dhcp relay binding mac-address on page 3
Output Fields	Table 1 on page 1 lists the output fields for the show dhcp relay binding command. Output fields are listed in the approximate order in which they appear.

Table 1: show dhcp relay binding Output Fields

Field Name	Field Description	Level of Output
<i>number</i> clients, (<i>number</i> bound, <i>number</i> selecting, <i>number</i> renewing, <i>number</i> rebinding)	Summary counts of the total number of DHCP clients and the number of DHCP clients in each state	detail none

Table 1: show dhcp relay binding Output Fields (continued)

Field Name	Field Description	Level of Output
IP address	IP address of the DHCP client.	All levels
Hardware address	Hardware address of the DHCP client.	All levels
Type	Type of DHCP packet processing performed on the router: <ul style="list-style-type: none"> ■ active—Router actively processes and relays DHCP packets. ■ passive—Router passively snoops DHCP packets passing through the router. 	All levels
Lease expires at	Date and time at which the client's IP address lease expires.	All levels
State	State of the DHCP relay address binding table on the DHCP client: <ul style="list-style-type: none"> ■ init—Initial state. ■ reboot—Client sends DHCP DISCOVER request. ■ select—Client receives offers from DHCP servers. ■ request—Client requests a DHCP server. ■ add—Client is in process of being added. ■ delete—Client is in process of being deleted. ■ bound—Client has active IP address lease. ■ renew—Client sends request to renew IP address lease. ■ rebind—Client broadcasts request to renew IP address lease. 	detail
Active binding information	Information about active IP address binding: <ul style="list-style-type: none"> ■ IP address—IP address of the DHCP client. ■ Hardware address—Hardware address of the DHCP client. ■ Request received on—(detail level only) Interface on which the client request was received. ■ relayed by—(detail level only) IP address on which the client request was relayed. 	All levels (unless specified otherwise) when command includes <i>ip-address</i> or <i>mac-address</i> value
Lease information	Information about the client's IP address lease: <ul style="list-style-type: none"> ■ Type—Type of IP address lease; always DHCP. ■ Obtained at—Date and time at which the client's IP address lease was obtained. ■ Expires at—Date and time at which the client's IP address lease expires. ■ State—(detail level only) State of the DHCP relay address binding table on the DHCP client. 	All levels (unless specified otherwise) when command includes <i>ip-address</i> or <i>mac-address</i> value

show dhcp relay binding user@host> **show dhcp relay binding**

10 clients, (10 bound, 0 selecting, 0 renewing, 0 rebinding)

IP address	Hardware address	Type	Lease expires at
100.20.0.152	00:10:95:01:00:01	active	2007-02-15 05:25:47 PST
100.20.0.153	00:10:95:01:00:02	active	2007-02-15 05:25:48 PST
100.20.0.154	00:10:95:01:00:03	active	2007-02-15 05:25:49 PST

100.20.0.155	00:10:95:01:00:04	active	2007-02-15 05:25:50 PST
100.20.0.156	00:10:95:01:00:05	active	2007-02-15 05:25:51 PST
100.20.0.157	00:10:95:01:00:06	active	2007-02-15 05:25:52 PST
100.20.0.158	00:10:95:01:00:07	active	2007-02-15 05:25:53 PST
100.20.0.159	00:10:95:01:00:08	active	2007-02-15 05:25:54 PST
100.20.0.160	00:10:95:01:00:09	active	2007-02-15 05:25:55 PST
100.20.0.161	00:10:95:01:00:0a	active	2007-02-15 05:25:56 PST

show dhcp relay binding detail user@host> **show dhcp relay binding detail**

10 clients, (10 bound, 0 selecting, 0 renewing, 0 rebinding)

IP address	Hardware address	Type	Lease expires	State
100.20.0.152	00:10:95:01:00:01	active	2007-02-15 05:25:47 PST	bound
100.20.0.153	00:10:95:01:00:02	active	2007-02-15 05:25:48 PST	bound
100.20.0.154	00:10:95:01:00:03	active	2007-02-15 05:25:49 PST	bound
100.20.0.155	00:10:95:01:00:04	active	2007-02-15 05:25:50 PST	bound
100.20.0.156	00:10:95:01:00:05	active	2007-02-15 05:25:51 PST	bound
100.20.0.157	00:10:95:01:00:06	active	2007-02-15 05:25:52 PST	bound
100.20.0.158	00:10:95:01:00:07	active	2007-02-15 05:25:53 PST	bound
100.20.0.159	00:10:95:01:00:08	active	2007-02-15 05:25:54 PST	bound
100.20.0.160	00:10:95:01:00:09	active	2007-02-15 05:25:55 PST	bound
100.20.0.161	00:10:95:01:00:0a	active	2007-02-15 05:25:56 PST	bound

show dhcp relay binding interface user@host> **show dhcp relay binding interface fe-0/0/2**

1 clients, (1 bound, 0 selecting, 0 renewing, 0 rebinding)

IP address	Hardware address	Type	Lease expires at
100.20.32.1	90:00:00:01:00:01	active	2007-03-27 15:06:20 EDT

show dhcp relay binding ip-address user@host> **show dhcp relay binding 100.20.4.138**

Active binding information:

IP address	100.20.4.138
Hardware address	00:10:95:01:00:01

Lease information:

Type	DHCP
Obtained at	2007-02-14 06:37:33 PST
Expires at	2007-02-15 06:37:33 PST

show dhcp relay binding ip-address detail user@host> **show dhcp relay binding 100.20.32.1 detail**

Active binding information:

IP address	100.20.32.1
Hardware address	90:00:00:01:00:01
Request received on	fe-0/0/2.0, relayed by 100.20.32.2

Lease information:

Type	DHCP
Obtained at	2007-01-29 15:43:27 EST
Expires at	2007-01-29 15:53:27 EST
State	rebind

show dhcp relay binding mac-address user@host> **show dhcp relay binding 90:00:00:01:00:01**

Active binding information:

IP address	100.20.32.1
Hardware address	90:00:00:01:00:01

Lease information:

Type	DHCP
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Obtained at	2007-01-17 11:28:47 PST
Expires at	2007-01-17 11:38:47 PST