

*Sep 18 13:45:11.340: DHCP Offer Message Offered Address: 192.168.100.17
*Sep 18 13:45:11.340: DHCP: Lease Seconds: 30 Renewal secs: 15 Rebind
secs: 26
*Sep 18 13:45:11.340: DHCP: Server ID Option: 192.168.100.254
*Sep 18 13:45:11.340: DHCP: offer received from 192.168.100.254
*Sep 18 13:45:11.340: DHCP: SRequest attempt # 1 for entry:
*Sep 18 13:45:11.340: Temp IP addr: 192.168.100.17 for peer on Interface:
GigabitEthernet0/0/0.900
*Sep 18 13:45:11.340: Temp sub net mask: 255.255.255.0
*Sep 18 13:45:11.340: DHCP Lease server: 192.168.100.254, state: 4 Requesting
*Sep 18 13:45:11.341: DHCP transaction id: 18EF
*Sep 18 13:45:11.341: Lease: 30 secs, Renewal: 0 secs, Rebind: 0 secs
*Sep 18 13:45:11.341: Next timer fires after: 00:00:03
*Sep 18 13:45:11.341: Retry count: 1 Client-ID: 4cbc.487a.8040
*Sep 18 13:45:11.341: Client-ID hex dump: 4CBC487A8040
*Sep 18 13:45:11.341: Hostname: ber-0-br01
*Sep 18 13:45:11.341: DHCP: SRequest- Server ID option: 192.168.100.254
*Sep 18 13:45:11.341: DHCP: SRequest- Requested IP addr option: 192.168.100.17
*Sep 18 13:45:11.341: DHCP: SRequest placed lease len option: 30
*Sep 18 13:45:11.342: DHCP: SRequest placed class-id option: 636973636F706E70
*Sep 18 13:45:11.342: DHCP: SRequest: 307 bytes
*Sep 18 13:45:11.342: DHCP: SRequest: 307 bytes
*Sep 18 13:45:11.342: B'cast on GigabitEthernet0/0/0.900 interface from
0.0.0.0
*Sep 18 13:45:11.345: DHCP: Received a BOOTREP pkt
*Sep 18 13:45:11.345: DHCP: Scan: Message type: DHCP Ack
*Sep 18 13:45:11.345: DHCP: Scan: Server ID Option: 192.168.100.254 =
C0A864FE
*Sep 18 13:45:11.345: DHCP: Scan: Lease Time: 30
*Sep 18 13:45:11.346: DHCP: Scan: Renewal time: 15
*Sep 18 13:45:11.346: DHCP: Scan: Rebind time: 26
*Sep 18 13:45:11.346: DHCP: Scan: Subnet Address Option: 255.255.255.0
*Sep 18 13:45:11.346: DHCP: Scan: option 28 len 4 not importable
*Sep 18 13:45:11.346: DHCP: Scan: Router Option: 192.168.100.254
*Sep 18 13:45:11.346: DHCP: Scan: DNS Name Server Option: 192.168.100.254
*Sep 18 13:45:11.346: DHCP: rcvd pkt source: 192.168.100.254, destination:
255.255.255.255
*Sep 18 13:45:11.346: UDP sport: 43, dport: 44, length: 308
*Sep 18 13:45:11.346: DHCP op: 2, htype: 1, hlen: 6, hops: 0
*Sep 18 13:45:11.346: DHCP server identifier: 192.168.100.254
*Sep 18 13:45:11.346: xid: 18EF, secs: 0, flags: 8000
*Sep 18 13:45:11.346: client: 0.0.0.0, your: 192.168.100.17
*Sep 18 13:45:11.346: srvr: 192.168.100.254, gw: 0.0.0.0
*Sep 18 13:45:11.347: options block length: 60

*Sep 18 13:45:11.347: DHCP Ack Message
*Sep 18 13:45:11.347: DHCP: Lease Seconds: 30 Renewal secs: 15 Rebind
secs: 26
*Sep 18 13:45:11.347: DHCP: Server ID Option: 192.168.100.254
*Sep 18 13:45:14.348: DHCP: Releasing ipl options:

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*Sep 18 13:45:14.348: DHCP: Applying DHCP options:
*Sep 18 13:45:14.348: Setting default_gateway to 192.168.100.254
*Sep 18 13:45:14.348: Adding default route 192.168.100.254
*Sep 18 13:45:15.349: Adding DNS server address 192.168.100.254
*Sep 18 13:45:15.349: DHCP: Sending notification of ASSIGNMENT:
*Sep 18 13:45:15.349: Address 192.168.100.17 mask 255.255.255.0
*Sep 18 13:45:15.349: DHCP Client Pooling: ***Allocated IP address:
192.168.100.17
*Sep 18 13:45:15.465: Allocated IP address = 192.168.100.17 255.255.255.0

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sh ip int br
```

Interface	IP-Address	OK?	Method	Status	Protocol
GigabitEthernet0/0/0	unassigned	YES	NVRAM	up	up
Gi0/0/0.900	192.168.100.17	YES	DHCP	up	up
Gi0/0/0.960	172.18.34.61	YES	NVRAM	up	up
Gi0/0/0.974	172.19.88.99	YES	NVRAM	up	up
GigabitEthernet0/0/1	unassigned	YES	manual	up	up
Gi0/0/1.973	172.19.88.107	YES	NVRAM	up	up
GigabitEthernet0/0/2	unassigned	YES	NVRAM	down	down
GigabitEthernet0	unassigned	YES	NVRAM	down	down

Private address releases

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*Sep 18 13:45:30.351: DHCP: QScan: Bound..T1 fired..Renewing
*Sep 18 13:45:30.351: DHCP: SRequest attempt # 1 for entry:
*Sep 18 13:45:30.351: Temp IP addr: 192.168.100.17 for peer on Interface:
GigabitEthernet0/0/0.900
*Sep 18 13:45:30.351: Temp sub net mask: 255.255.255.0
*Sep 18 13:45:30.351: DHCP Lease server: 192.168.100.254, state: 7 Renewing
*Sep 18 13:45:30.352: DHCP transaction id: 18EF
*Sep 18 13:45:30.352: Lease: 30 secs, Renewal: 15 secs, Rebind: 26 secs
*Sep 18 13:45:30.352: Temp default-gateway addr: 192.168.100.254
*Sep 18 13:45:30.352: Next timer fires after: 00:00:12
*Sep 18 13:45:30.352: Retry count: 1 Client-ID: 4cbc.487a.8040
*Sep 18 13:45:30.352: Client-ID hex dump: 4CBC487A8040
*Sep 18 13:45:30.352: Hostname: ber-0-br01
*Sep 18 13:45:30.352: DHCP: SRequest - ciaddr: 192.168.100.17
*Sep 18 13:45:30.352: DHCP: SRequest placed lease len option: 30
*Sep 18 13:45:30.353: DHCP: SRequest placed class-id option: 636973636F706E70
*Sep 18 13:45:30.353: DHCP: SRequest: 295 bytes
*Sep 18 13:45:30.353: DHCP: SRequest: 295 bytes
*Sep 18 13:45:42.356: DHCP: QScan: Renewal..T2 fired..Rebinding
*Sep 18 13:45:42.356: DHCP: SRequest attempt # 1 for entry:
*Sep 18 13:45:42.356: Temp IP addr: 192.168.100.17 for peer on Interface:
GigabitEthernet0/0/0.900
*Sep 18 13:45:42.356: Temp sub net mask: 255.255.255.0
*Sep 18 13:45:42.356: DHCP Lease server: 192.168.100.254, state: 6 Rebinding
*Sep 18 13:45:42.357: DHCP transaction id: 18EF
*Sep 18 13:45:42.357: Lease: 30 secs, Renewal: 15 secs, Rebind: 26 secs
*Sep 18 13:45:42.357: Temp default-gateway addr: 192.168.100.254

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*Sep 18 13:45:42.357: Next timer fires after: 00:00:05
*Sep 18 13:45:42.357: Retry count: 1 Client-ID: 4cbc.487a.8040
*Sep 18 13:45:42.357: Client-ID hex dump: 4CBC487A8040
*Sep 18 13:45:42.357: Hostname: ber-0-br01
*Sep 18 13:45:42.357: DHCP: SRequest - ciaddr: 192.168.100.17
*Sep 18 13:45:42.357: DHCP: SRequest placed lease len option: 30
*Sep 18 13:45:42.358: DHCP: SRequest placed class-id option: 636973636F706E70
*Sep 18 13:45:42.358: DHCP: SRequest: 295 bytes
*Sep 18 13:45:42.358: DHCP: SRequest: 295 bytes
*Sep 18 13:45:42.358: B'cast on GigabitEthernet0/0/0.900 interface from
192.168.100.17
*Sep 18 13:45:47.369: DHCP: QScan: Rebind..LT fired..Halting
*Sep 18 13:45:47.369: DHCP: Sending notification of TERMINATION:
*Sep 18 13:45:47.369: Address 192.168.100.17 mask 255.255.255.0
*Sep 18 13:45:47.369: DHCP: Address lease expired. Attempting Shutdown
*Sep 18 13:45:47.369: DHCP: Releasing ipl options:
*Sep 18 13:45:47.369: Clearing default gateway and route to 192.168.100.254
*Sep 18 13:45:47.370: Removing old default route 192.168.100.254
*Sep 18 13:45:47.370: Clearing DNS address 192.168.100.254
*Sep 18 13:45:47.370: %DHCP-5-RESTART: Interface GigabitEthernet0/0/0.900 is
being restarted by DHCP

*Sep 18 13:45:47.370: RAC: DHCP stopped on interface GigabitEthernet0/0/0.900
*Sep 18 13:45:50.376: DHCP: DHCP client process started: 10
*Sep 18 13:45:50.377: RAC: Starting DHCP discover on GigabitEthernet0/0/0.900
*Sep 18 13:45:50.377: DHCP: Try 1 to acquire address for GigabitEthernet0/0/0.900
*Sep 18 13:45:50.380: DHCP: allocate request
*Sep 18 13:45:50.380: DHCP: zapping entry in DHC_PURGING state for
Gi0/0/0.900
*Sep 18 13:45:50.381: DHCP: deleting entry 7F6EB7DBAC40 192.168.100.17 from
list
*Sep 18 13:45:50.381: Temp IP addr: 192.168.100.17 for peer on Interface:
GigabitEthernet0/0/0.900
*Sep 18 13:45:50.381: Temp sub net mask: 255.255.255.0
*Sep 18 13:45:50.381: DHCP Lease server: 192.168.100.254, state: 11 Purging
*Sep 18 13:45:50.381: DHCP transaction id: 18EF
*Sep 18 13:45:50.381: Lease: 30 secs, Renewal: 15 secs, Rebind: 26 secs
*Sep 18 13:45:50.381: Next timer fires after: 00:00:31
*Sep 18 13:45:50.381: Retry count: 0 Client-ID: 4cbc.487a.8040
*Sep 18 13:45:50.381: Client-ID hex dump: 4CBC487A8040
*Sep 18 13:45:50.382: Hostname: ber-0-br01
*Sep 18 13:45:50.382: DHCP: new entry. add to queue, interface
GigabitEthernet0/0/0.900
*Sep 18 13:45:50.382: DHCP: MAC address specified as 0000.0000.0000 (0 0). Xid
is 54D
*Sep 18 13:45:50.382: DHCP: SDiscover attempt # 1 for entry:
*Sep 18 13:45:50.382: Temp IP addr: 0.0.0.0 for peer on Interface:
GigabitEthernet0/0/0.900
*Sep 18 13:45:50.382: Temp sub net mask: 0.0.0.0
*Sep 18 13:45:50.382: DHCP Lease server: 0.0.0.0, state: 3 Selecting

*Sep 18 13:45:50.382: DHCP transaction id: 54D
*Sep 18 13:45:50.382: Lease: 0 secs, Renewal: 0 secs, Rebind: 0 secs
*Sep 18 13:45:50.382: Next timer fires after: 00:00:04
*Sep 18 13:45:50.382: Retry count: 1 Client-ID: 4cbc.487a.8040
*Sep 18 13:45:50.382: Client-ID hex dump: 4CBC487A8040
*Sep 18 13:45:50.383: Hostname: ber-0-br01
*Sep 18 13:45:50.383: DHCP: SDiscover placed class-id option:
636973636F706E70
*Sep 18 13:45:50.383: DHCP: SDiscover: sending 289 byte length DHCP packet
*Sep 18 13:45:50.383: DHCP: SDiscover 289 bytes
*Sep 18 13:45:50.384: B'cast on GigabitEthernet0/0/0.900 interface from
0.0.0.0
*Sep 18 13:45:53.384: DHCP: SDiscover attempt # 2 for entry:
*Sep 18 13:45:53.385: Temp IP addr: 0.0.0.0 for peer on Interface:
GigabitEthernet0/0/0.900
*Sep 18 13:45:53.385: Temp sub net mask: 0.0.0.0
*Sep 18 13:45:53.385: DHCP Lease server: 0.0.0.0, state: 3 Selecting
*Sep 18 13:45:53.385: DHCP transaction id: 54D
*Sep 18 13:45:53.385: Lease: 0 secs, Renewal: 0 secs, Rebind: 0 secs
*Sep 18 13:45:53.385: Next timer fires after: 00:00:04
*Sep 18 13:45:53.385: Retry count: 2 Client-ID: 4cbc.487a.8040
*Sep 18 13:45:53.385: Client-ID hex dump: 4CBC487A8040
*Sep 18 13:45:53.385: Hostname: ber-0-br01
*Sep 18 13:45:53.385: DHCP: SDiscover placed class-id option:
636973636F706E70
*Sep 18 13:45:53.386: DHCP: SDiscover: sending 289 byte length DHCP packet
*Sep 18 13:45:53.386: DHCP: SDiscover 289 bytes
*Sep 18 13:45:53.386: B'cast on GigabitEthernet0/0/0.900 interface from
0.0.0.0
*Sep 18 13:45:57.384: DHCP: SDiscover attempt # 3 for entry:
*Sep 18 13:45:57.384: Temp IP addr: 0.0.0.0 for peer on Interface:
GigabitEthernet0/0/0.900
*Sep 18 13:45:57.384: Temp sub net mask: 0.0.0.0
*Sep 18 13:45:57.384: DHCP Lease server: 0.0.0.0, state: 3 Selecting
*Sep 18 13:45:57.385: DHCP transaction id: 54D
*Sep 18 13:45:57.385: Lease: 0 secs, Renewal: 0 secs, Rebind: 0 secs
*Sep 18 13:45:57.385: Next timer fires after: 00:00:04
*Sep 18 13:45:57.385: Retry count: 3 Client-ID: 4cbc.487a.8040
*Sep 18 13:45:57.385: Client-ID hex dump: 4CBC487A8040
*Sep 18 13:45:57.385: Hostname: ber-0-br01
*Sep 18 13:45:57.385: DHCP: SDiscover placed class-id option:
636973636F706E70
*Sep 18 13:45:57.386: DHCP: SDiscover: sending 289 byte length DHCP packet
*Sep 18 13:45:57.386: DHCP: SDiscover 289 bytes
*Sep 18 13:45:57.386: B'cast on GigabitEthernet0/0/0.900 interface from
0.0.0.0
*Sep 18 13:46:01.384: DHCP: QScan: Timed out Selecting state%Unknown DHCP
problem.. No allocation possible
*Sep 18 13:46:10.407: DHCP: Waiting for 5 seconds on interface
GigabitEthernet0/0/0.900

*Sep 18 13:46:15.407: DHCP: Try 2 to acquire address for GigabitEthernet0/0/0.900
*Sep 18 13:46:15.408: DHCP: allocate request
*Sep 18 13:46:15.409: DHCP: zapping entry in DHC_PURGING state for Gi0/0/0.900
*Sep 18 13:46:15.409: DHCP: deleting entry 7F6EA7EB6898 0.0.0.0 from list
*Sep 18 13:46:15.409: Temp IP addr: 0.0.0.0 for peer on Interface: GigabitEthernet0/0/0.900
*Sep 18 13:46:15.409: Temp sub net mask: 0.0.0.0
*Sep 18 13:46:15.409: DHCP Lease server: 0.0.0.0, state: 11 Purging
*Sep 18 13:46:15.409: DHCP transaction id: 54D
*Sep 18 13:46:15.409: Lease: 0 secs, Renewal: 0 secs, Rebind: 0 secs
*Sep 18 13:46:15.409: Next timer fires after: 00:00:26
*Sep 18 13:46:15.409: Retry count: 0 Client-ID: 4cbc.487a.8040
*Sep 18 13:46:15.409: Client-ID hex dump: 4CBC487A8040
*Sep 18 13:46:15.410: Hostname: ber-0-br01
*Sep 18 13:46:15.410: DHCP: new entry. add to queue, interface GigabitEthernet0/0/0.900
*Sep 18 13:46:15.410: DHCP: MAC address specified as 0000.0000.0000 (0 0). Xid is 54E
*Sep 18 13:46:15.410: DHCP: SDiscover attempt # 1 for entry:
*Sep 18 13:46:15.410: Temp IP addr: 0.0.0.0 for peer on Interface: GigabitEthernet0/0/0.900
*Sep 18 13:46:15.410: Temp sub net mask: 0.0.0.0
*Sep 18 13:46:15.410: DHCP Lease server: 0.0.0.0, state: 3 Selecting
*Sep 18 13:46:15.410: DHCP transaction id: 54E
*Sep 18 13:46:15.410: Lease: 0 secs, Renewal: 0 secs, Rebind: 0 secs
*Sep 18 13:46:15.411: Next timer fires after: 00:00:04
*Sep 18 13:46:15.411: Retry count: 1 Client-ID: 4cbc.487a.8040
*Sep 18 13:46:15.411: Client-ID hex dump: 4CBC487A8040
*Sep 18 13:46:15.411: Hostname: ber-0-br01
*Sep 18 13:46:15.411: DHCP: SDiscover placed class-id option: 636973636F706E70
*Sep 18 13:46:15.412: DHCP: SDiscover: sending 289 byte length DHCP packet
*Sep 18 13:46:15.412: DHCP: SDiscover 289 bytes
*Sep 18 13:46:15.412: B'cast on GigabitEthernet0/0/0.900 interface from 0.0.0.0
*Sep 18 13:46:19.387: DHCP: SDiscover attempt # 2 for entry:
*Sep 18 13:46:19.387: Temp IP addr: 0.0.0.0 for peer on Interface: GigabitEthernet0/0/0.900
*Sep 18 13:46:19.387: Temp sub net mask: 0.0.0.0
*Sep 18 13:46:19.387: DHCP Lease server: 0.0.0.0, state: 3 Selecting
*Sep 18 13:46:19.387: DHCP transaction id: 54E
*Sep 18 13:46:19.387: Lease: 0 secs, Renewal: 0 secs, Rebind: 0 secs
*Sep 18 13:46:19.387: Next timer fires after: 00:00:04
*Sep 18 13:46:19.388: Retry count: 2 Client-ID: 4cbc.487a.8040
*Sep 18 13:46:19.388: Client-ID hex dump: 4CBC487A8040
*Sep 18 13:46:19.388: Hostname: ber-0-br01
*Sep 18 13:46:19.388: DHCP: SDiscover placed class-id option: 636973636F706E70
*Sep 18 13:46:19.389: DHCP: SDiscover: sending 289 byte length DHCP packet

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*Sep 18 13:46:19.389: DHCP: SDiscover 289 bytes
*Sep 18 13:46:19.389:      B'cast on GigabitEthernet0/0/0.900 interface from
0.0.0.0
*Sep 18 13:46:23.397: DHCP: SDiscover attempt # 3 for entry:
*Sep 18 13:46:23.397: Temp IP addr: 0.0.0.0 for peer on Interface:
GigabitEthernet0/0/0.900
*Sep 18 13:46:23.398: Temp sub net mask: 0.0.0.0
*Sep 18 13:46:23.398: DHCP Lease server: 0.0.0.0, state: 3 Selecting
*Sep 18 13:46:23.398: DHCP transaction id: 54E
*Sep 18 13:46:23.398: Lease: 0 secs, Renewal: 0 secs, Rebind: 0 secs
*Sep 18 13:46:23.398: Next timer fires after: 00:00:04
*Sep 18 13:46:23.398: Retry count: 3 Client-ID: 4cbc.487a.8040
*Sep 18 13:46:23.398: Client-ID hex dump: 4CBC487A8040
*Sep 18 13:46:23.398: Hostname: ber-0-br01
*Sep 18 13:46:23.398: DHCP: SDiscover placed class-id option:
636973636F706E70
*Sep 18 13:46:23.399: DHCP: SDiscover: sending 289 byte length DHCP packet
*Sep 18 13:46:23.399: DHCP: SDiscover 289 bytes
*Sep 18 13:46:23.399:      B'cast on GigabitEthernet0/0/0.900 interface from
0.0.0.0
*Sep 18 13:46:27.398: DHCP: QScan: Timed out Selecting stashes ip int br

```

Interface	IP-Address	OK?	Method	Status	Protocol
GigabitEthernet0/0/0	unassigned	YES	NVRAM	up	up
Gi0/0/0.900	unassigned	YES	DHCP	up	up
Gi0/0/0.960	172.18.34.61	YES	NVRAM	up	up
Gi0/0/0.974	172.19.88.99	YES	NVRAM	up	up
GigabitEthernet0/0/1	unassigned	YES	manual	up	up
Gi0/0/1.973	172.19.88.107	YES	NVRAM	up	up
GigabitEthernet0/0/2	unassigned	YES	NVRAM	down	down
GigabitEthernet0	unassigned	YES	NVRAM	down	down