

## Verifying That Automatic Software Download Is Working Correctly

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**Purpose** Verify that the automatic software download feature is working correctly.

**Action** Use the `show system services dhcp client interface-name` command to verify that the automatic software download feature has been used to install a software package.

```
user@switch> show system services dhcp client ge-0/0/1.0
Logical Interface Name      ge-0/0/1.0
Hardware address           00:0a:12:00:12:12
Client Status              bound
Vendor Identifier          ether
Server Address             10.1.1.1
Address obtained           10.1.1.89
Lease Obtained at          2009-08-20 18:13:04 PST
Lease Expires at           2009-08-22 18:13:04 PST

DHCP Options :
Name: name-server, Value: [ 10.209.194.131, 2.2.2.2, 3.3.3.3 ]
Name: server-identifier, Value: 10.1.1.1
Name: router, Value: [ 10.1.1.80 ]
Name: boot-image,
Value: jinstall-ex-4200-9.6R1.5-domestic-signed.tgz
Name: boot-image-location,
Value: 10.1.1.25:/bootfiles/
```

**Meaning** The output from this command shows the name and location of the software package under **DHCP options** when automatic software download was last used to install a software package. The sample output in **DHCP options** shows that the last DHCP server message to arrive on the DHCP client had a boot server address of **192.168.1.165** and a boot file named **jinstall-ex-4200-9.6R1.5-domestic-signed.tgz**. If automatic software download was enabled on this client switch during the last DHCP message exchange, these values were used by the switch to upgrade the software.

**Related Topics**

- Upgrading Software Using Automatic Software Download on EX Series Switches
- DHCP Services for EX Series Switches Overview

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