

Sending DHCP Options to the JUNOS Router

Subscriber classification scripts support DHCP options conveyed through COPS. When COPS reports an address, the JUNOS router sends DHCP options received for DHCP requests for that address. The DHCP options are available in the subscriber classification context for selecting the subscriber profile to load.

The fields in Table 1 on page 1 are in the classification context of subscriber classification scripts.

Table 1: DHCP Options in UserClassificationContext Field

DHCP Option	UserClassificationContext Field	Comments
giAddr	dhcp.giAddr	Relay agent gateway address
Option 82 data	dhcp.getOption(82)	Content is accessible with getSubOptions()
Client ID	dhcp.getOption(61).getString()	
Lease time	dhcp.getOption(51).getInt()	
Client requested parameter list	dhcp.getOption(55).getBytes()	
Domain name sent to client	dhcp.getOption(12).getString() dhcp.getOption(15).getString()	12 = HostName 15 = DomainName
DNS server address(es) sent to client	dhcp.getOption(6).getIpAddresses()	
Subnet mask	dhcp.getOption(1).getIpAddress()	
NetBios name server address(es) sent to client	dhcp.getOption(44).getIpAddresses()	
NetBios node type	dhcp.getOption(46).getBytes()	
Default router address(es) sent to client	dhcp.getOption(3).getIpAddresses()	

The DHCP options are accessible to the subscriber classification script with the following syntax:

```
dhcp.giAddr = " match"
```

```
# interpret option 61 as string  
dhcp[61].string = " match"
```

```
# interpret option 1 (subnet) as dotted decimal IP  
dhcp[1].ipAddress = " match"
```

```
# option 82, suboption 1, interpreted as string
dhcp[82].subOptions[1].string = " match"
```

The received DHCP options are also stored in the UserSession and are available through the portal API (method User.getDhcpOptions).

- Related Topics**
- Selecting DHCP Parameters
 - Classifying DHCP Subscribers (SRC CLI)
 - Creating DHCP Profiles (C-Web Interface)
 - DHCP Options Supported on the SAE