

dhcp-relay

```
Syntax dhcp-relay {
  authentication {
    password password-string;
    username-include {
      circuit-type;
      delimiter delimiter-character;
      domain-name domain-name-string;
      logical-system-name;
      mac-address;
      option-60;
      option-82 [circuit-id] [remote-id];
      routing-instance-name;
      user-prefix user-prefix-string;
    }
  }
  dynamic-profile profile-name (aggregate-clients | use-primary primary-profile-name);
}
overrides {
  always-write-giaddr;
  always-write-option-82;
  interface-client-limit number;
  no-arp;
  layer2-unicast-replies;
  trust-option-82;
  disable-relay;
}
relay-option-60 {
  vendor-option {
    (equals | starts-with) (ascii match-string | hexadecimal match-hex) {
      (default-relay-server-group server-group-name |
      default-local-server-group local-server-group-name |
      drop);
    }
    (default-relay-server-group server-group-name |
    default-local-server-group local-server-group-name |
    drop);
  }
}
relay-option-82 {
  circuit-id {
    prefix host-name logical-system-name routing-instance-name;
  }
}
server-group {
  server-group-name {
    server-ip-address;
  }
}
```

```

}
active-server-group server-group-name;
group group-name {
  active-server-group server-group-name;
  authentication {
    password password-string;
    username-include {
      circuit-type;
      delimiter delimiter-character;
      domain-name domain-name-string;
      logical-system-name;
      mac-address;
      option-60;
      option-82 [circuit-id] [remote-id];
      routing-instance-name;
      user-prefix user-prefix-string;
    }
  }
}
dynamic-profile profile-name (aggregate-clients | use-primary primary-profile-name);
overrides {
  always-write-giaddr;
  always-write-option-82;
  interface-client-limit number;
  layer2-unicast-replies;
  no-arp;
  trust-option-82;
  disable-relay;
}
relay-option-60 {
  vendor-option {
    (equals | starts-with) (ascii match-string | hexadecimal match-hex) {
      (default-relay-server-group server-group-name |
      default-local-server-group local-server-group-name |
      drop);
    }
    (default-relay-server-group server-group-name |
    default-local-server-group local-server-group-name |
    drop);
  }
}
relay-option-82 {
  circuit-id {
    prefix host-name logical-system-name routing-instance-name;
  }
}
interface interface-name [upto upto-interface-name] [exclude];
}
traceoptions {
  flag all;
  flag database;
  flag state;
}

```

```

flag interface;
flag rtsock;
flag packet;
flag packet-option;
flag io;
flag ha;
flag ui;
flag general;
flag fwd;
flag rpd;
file file-name {
  <files number>;
  <size maximum-file-size>;
  <match regex>;
  <world-readable | no-world-readable>;
}
}
}

```

Hierarchy Level [edit forwarding-options],
[edit logical-systems *logical-system-name* forwarding-options],
[edit logical-systems *logical-system-name* routing-instances *routing-instance-name*
forwarding-options],
[edit routing-instances *routing-instance-name* forwarding-options]

Release Information Statement introduced in JUNOS Release 8.3.
traceoptions option introduced in JUNOS Release 8.5.
relay-option-60 option introduced in JUNOS Release 9.0.
authentication option introduced in JUNOS Release 9.1.

Description Configure extended Dynamic Host Configuration Protocol (DHCP) relay options on the router and enable the router to function as a DHCP relay agent. A DHCP relay agent forwards DHCP request and reply packets between a DHCP client and a DHCP server.

The DHCP relay supports the attachment of dynamic profiles and also interacts with the local AAA Service Framework to use back-end authentication servers, such as RADIUS, to provide subscriber authentication. You can attach dynamic profiles and configure authentication support on a global basis or for a specific group of interfaces.

The extended DHCP relay agent options configured with the `dhcp-relay` statement are incompatible with the DHCP/BOOTP relay agent options configured with the `bootp` statement. As a result, the extended DHCP relay agent and the DHCP/BOOTP relay agent cannot both be enabled on the router at the same time.

The statements are explained separately.

Required Privilege Level interface—To view this statement in the configuration.
interface-control—To add this statement to the configuration.

- Related Topics**
- Extended DHCP Local Server Overview
 - Using External AAA Authentication Services with DHCP

