

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 (merge | replace) | use-primary primary-profile-name>;
  overrides {
    always-write-giaddr;
    always-write-option-82;
    client-discover-match;
    interface-client-limit number;
    layer2-unicast-replies;
    no-arp;
    proxy-mode;
    replace-ip-source-with;
    trust-option-82;
    disable-relay;
  }
  relay-option-60 {
    vendor-option {
      (equals | starts-with) (ascii match-string | hexadecimal match-hex) {
        default-local-server-group local-server-group-name |
        (default-relay-server-group server-group-name |
        drop);
      }
      default-local-server-group local-server-group-name |
      (default-relay-server-group server-group-name |
      drop);
    }
  }
  relay-option-82 {
    circuit-id {
      prefix prefix;
      use-interface-description (logical | device);
    }
  }
  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 (merge | replace) | use-primary
    primary-profile-name>;
overrides {
    always-write-giaddr;
    always-write-option-82;
    client-discover-match;
    interface-client-limit number;
    layer2-unicast-replies;
    no-arp;
    proxy-mode;
    trust-option-82;
    disable-relay;
}
relay-option-60 {
    vendor-option {
        (equals | starts-with) (ascii match-string | hexadecimal match-hex) {
            default-local-server-group local-server-group-name |
            (default-relay-server-group server-group-name |
            drop);
        }
        default-local-server-group local-server-group-name |
        (default-relay-server-group server-group-name |
        drop);
    }
}
relay-option-82 {
    circuit-id {
        prefix prefix;
        use-interface-description (logical | device);
    }
}
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 <i>logical-system-name</i> forwarding-options], [edit logical-systems <i>logical-system-name</i> routing-instances <i>routing-instance-name</i> forwarding-options], [edit routing-instances <i>routing-instance-name</i> 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	<p>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.</p> <p>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.</p> <p>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.</p> <p>The statements are explained separately.</p>
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
 - DHCP Relay Proxy Overview
 - Using External AAA Authentication Services with DHCP

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