

Example: Configuring Dynamic Subscriber Interfaces on IP Demux Interfaces

This example shows how to configure dynamic subscriber interfaces on IP demux interfaces.

DHCP dynamically creates the demux interface when a subscriber logs in.

To configure subscribers on dynamic demux interfaces:

1. Configure the static VLAN as the underlying interface.

```
interfaces {
  ge-0/3/0 {
    vlan-tagging;
    unit 0 {
      vlan-id 0;
      demux-source inet;
      family inet {
        unnumbered-address lo0.0;
      }
    }
  }
  lo0 {
    unit 0 {
      family inet {
        address 90.1.1.1/24;
      }
    }
  }
}
```

2. Configure the creation of demux interfaces in the dynamic profile.

```
dynamic-profiles {
  subscriber profile {
    interfaces {
      demux0 {
        "$junos-interface-ifd-name" {
          unit "$junos-interface-unit" {
            demux-options {
              underlying-interface "$junos-underlying-interface";
            }
          }
          family inet {
            demux-source {
              $junos-subscriber-ip-address;
            }
            filter {
              input ingressFilter;
              output egressFilter;
            }
            mac-validate loose;
          }
        }
      }
    }
  }
}
```

```
}
}
```

3. Configure the access method to dynamically create the demux interface.

DHCP relay is the access method used in this example.

```
forwarding-options {
  dhcp-relay {
    traceoptions {
      flag all;
    }
    server-group {
      router {
        100.20.42.1;
      }
      dynamic-profile subscriber-profile;
      active-server-group erx;
      group one {
        interface ge-0/0/2.0 upto ge-0/0/2.4000;
        interface-client-limit 200
      }
    }
  }
}
```

4. Configure the interface for DHCP.

```
interfaces {
  traceoptions {
    flag all;
  }
  ge-0/0/2 {
    unit 0 {
      demux-source inet;
      family inet {
        unnumbered-address lo0.0;
      }
    }
  }
  lo0 {
    unit 0 {
      family inet {
        address 100.20.32.2/32;
      }
    }
  }
}
```

- Related Topics**
- Configuring Dynamic Subscriber Interfaces Using IP Demux Interfaces in Dynamic Profiles
 - Attaching Dynamic Profiles to DHCP Subscriber Interfaces