

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 aggregate-clients;  
      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](#)