

Configuring Static Subscriber Interfaces in Dynamic Profiles

In this release, you can use dynamic profiles to configure statically created logical interfaces. Dynamic profiles enable you to dynamically apply configured values (including CoS, IGMP, or filter configuration) to the static interfaces, making them easier to manage.

To configure static interfaces, you must first configure the interfaces on the router to which you expect subscribers to connect.

The subscriber access feature supports the following statically-created interface types in dynamic profiles:

- GE—Gigabit Ethernet
- XE—10 Gigabit Ethernet
- AE—Aggregated Ethernet

This topic contains the following sections:

- Configuring a Subscriber Interface with a Static VLAN Interface on page 1
- Associating Dynamic Profiles with Statically Created Interfaces on page 2

Configuring a Subscriber Interface with a Static VLAN Interface

This topic describes how to configure a subscriber interface with a static VLAN interface.

After you configure the static VLAN interface, you can reference it in a dynamic profile.

To configure a subscriber interface over a VLAN:

1. Configure the static VLAN interface and enable VLAN tagging.

```
[edit interfaces]
  ge-5/0/0 {
    vlan-tagging;
  }
```

2. Configure the units and assign the VLAN IDs.

```
unit 1 {
  proxy-arp;
  vlan-id 1;
  family inet {
    unnumbered-address lo0.0 preferred-source-address 192.1.1.1;
  }
}
unit 2 {
  proxy-arp;
  vlan-id 2;
  family inet {
```

```
        unnumbered-address lo0.0 preferred-source-address 192.1.1.1;
    }
}
```

Associating Dynamic Profiles with Statically Created Interfaces

When configuring the interfaces stanza within a dynamic profile, you use variables to specify the interface name and the logical unit value. When a DHCP subscriber sends a DHCP request to the interface, the dynamic profile replaces the interface name variable and logical unit name variable with the actual interface name and logical unit number of the interface that received the DHCP request.



NOTE: Configuration of the interface name variable and logical interface name variable at the [edit dynamic-profiles *profile-name* interfaces] hierarchy level is required for a dynamic profile to function.

To configure the interface for a dynamic profile, specify the interface name variable and include the unit statement and associated logical interface name variable:

1. Access the profile.

```
[edit]
user@host# edit dynamic-profiles basic-profile
```

2. Specify the interface name variable.

```
[edit dynamic-profiles basic-profile]
user@host# set interfaces $junos-interface-ifd-name
```

3. Specify the logical interface name variable with the unit statement.

```
[edit dynamic-profiles basic-profile]
user@host# set unit $junos-underlying-interface-unit
```

Related Topics

- Static Subscriber Interfaces and VLAN Overview
- For information about configuring logical interfaces and static VLAN interfaces, see the *JUNOS Network Interfaces Configuration Guide*