

## Configuring Dynamic Subscriber Interfaces Using VLAN Demux Interfaces in Dynamic Profiles

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You can configure dynamic subscriber interfaces using VLAN demux interfaces.

To enable the dynamic demux interface to be created by DHCP, you configure the demux options in a dynamic profile. Dynamic profiles enable you to dynamically apply configured values (including CoS, IGMP, or filter configuration) to the dynamic interfaces, making them easier to manage.

Before you begin:

- Configure the dynamic profile.  
See *Configuring a Basic Dynamic Profile*.

To configure dynamic subscriber interfaces:

1. Specify that you want to configure the `demux0` interface in the dynamic profile.

```
user@host# edit dynamic-profiles business-profile interfaces demux0
```

2. Configure the unit for the `demux0` interface.
  - a. Configure the variable for the unit number of the `demux0` interface.

The variable is dynamically replaced with the unit number that DHCP supplies when the subscriber logs in.

```
[edit dynamic-profiles business-profile interfaces demux0]  
user@host# edit unit $junos-interface-unit
```

- b. Configure the variable for the underlying interface of the demux interfaces by specifying the `$junos-interface-ifd-name` variable.

The variable is dynamically replaced with the underlying device name that DHCP supplies when the subscriber logs in.

```
[edit dynamic-profiles business-profile interfaces demux0 unit  
"$junos-interface-unit"]  
user@host# set demux-options underlying-interface $junos-interface-ifd-name
```

- c. Configure the variable for the VLAN ID.

```
[edit dynamic-profiles business-profile interfaces demux0 unit  
"$junos-interface-unit"]  
user@host# set vlan-id $junos-vlan-id
```

3. Configure the family for the demux interfaces.
  - a. Specify that you want to configure the family.

For IPv4:

```
[edit dynamic-profiles business-profile interfaces demux0 unit
 "$junos-interface-unit"]
user@host# edit family inet
```

For IPv6:

```
[edit dynamic-profiles business-profile interfaces demux0 unit
 "$junos-interface-unit"]
user@host# edit family inet6
```

- b. Configure the unnumbered address for the family.

```
[edit dynamic-profiles business-profile interfaces demux0 unit
 "$junos-interface-unit" family inet]
user@host# set unnumbered-address lo0.0
```

- Related Topics**
- Subscriber Interfaces and Demultiplexing Overview
  - Configuring MAC Address Validation for Dynamic Subscriber Interfaces
  - Attaching Dynamic Profiles to DHCP Subscriber Interfaces
  - Example: Configuring Dynamic Subscriber Interfaces on VLAN Demux Interfaces

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