

Configuring a Static or Dynamic VLAN Demux Subscriber Interface over Aggregated Ethernet

You can configure a subscriber interface using a static or dynamic VLAN demultiplexing (demux) logical interface stacked on an aggregated Ethernet physical interface.

1. Configure the aggregated Ethernet interface.
 - a. Configure the number of aggregated Ethernet interfaces on the router.
See [Configuring the Number of Aggregated Ethernet Interfaces on the Device](#).
 - b. Configure the aggregated Ethernet interface.
See [Configuring an Aggregated Ethernet Interface](#).
 - c. (Optional) Configure LACP.
See [Configuring Aggregated Ethernet LACP](#).
 - d. (Optional) Configure the minimum number of links.
See [Configuring Aggregated Ethernet Minimum Links](#).
 - e. (Optional) Configure the link speed.
See [Configuring Aggregated Ethernet Link Speed](#).
 - f. (Optional) Configure the aggregated Ethernet logical interface to support one-to-one active/backup link redundancy or traffic load balancing.
For general instructions, see [Configuring Aggregated Ethernet Link Protection](#).
2. Configure the aggregated Ethernet physical interface as the underlying interface to support the static or dynamic VLAN demux subscriber interface.

The aggregated Ethernet interface needs to support demultiplexing of incoming traffic to the Ethernet links based on the VLAN ID in the incoming packets.

See [Configuring a VLAN Demux Underlying Interface](#).
3. Configure the static or dynamic VLAN demux interface.
 - For static subscriber interfaces, see [Configuring Static Subscriber Interfaces Using VLAN Demux Interfaces](#).
 - For dynamic subscriber interfaces, see [Configuring Dynamic Subscriber Interfaces Using VLAN Demux Interfaces in Dynamic Profiles](#).



NOTE: VLAN demux interfaces currently support the Internet Protocol version 4 (IPv4) suite (`family inet`) and the Internet Protocol version 6 (IPv6) suite (`family inet6`).

4. (Optional) Configure subscriber management services on the subscriber interface.

- For firewall filters, see [Dynamically Attaching Statically Created Filters for Any Interface Type](#) or [Dynamically Attaching Statically Created Filters for a Specific Interface Family Type](#).
- For hierarchical CoS, see [Configuring Hierarchical CoS for a Subscriber Interface of Aggregated Ethernet Links](#).

Related Topics

- [Subscriber Interfaces and Demultiplexing Overview](#)
- [Static or Dynamic Demux Subscriber Interfaces over Aggregated Ethernet Overview](#)
- [Associating VLAN IDs to VLAN Demux Interfaces](#)
- [Example: Configuring IPv4 Static VLAN Demux Interfaces Over a Gigabit Ethernet Underlying Interface with DHCP Local Server](#)
- [Example: Configuring IPv4 Static VLAN Demux Interfaces Over an Aggregated Ethernet Underlying Interface with DHCP Local Server](#)
- [Example: Configuring IPv4 Dynamic VLAN Demux Interfaces Over a Gigabit Ethernet Underlying Interface with DHCP Local Server](#)
- [Example: Configuring IPv4 Dynamic VLAN Demux Interfaces Over an Aggregated Ethernet Underlying Interface with DHCP Local Server](#)

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