

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

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You can configure a subscriber link represented by a static virtual LAN (VLAN) stacked on an aggregated Ethernet logical interface.

You can configure subscriber management services such as firewall filters and CoS for this subscriber interface.

To configure a subscriber interface using a static VLAN interface over an aggregated Ethernet logical 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.  
See [Configuring Aggregated Ethernet Link Protection](#).



**NOTE:** Link protection is required if you want to configure hierarchical CoS on the aggregated Ethernet interface. For more information, see [Configuring Hierarchical CoS for a Subscriber Interface of Aggregated Ethernet Links](#).

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2. Configure the static or dynamic VLAN interface.
  - For static VLAN interfaces, see [Configuring a Subscriber Interface with a Static VLAN Interface](#).
  - For dynamic VLAN interfaces, see [Configuring VLAN Dynamic Profiles and Configuring VLAN Interfaces to Use Dynamic Profiles](#).
3. 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**
- [Static and Dynamic VLAN Subscriber Interfaces over Aggregated Ethernet Overview](#)
  - [Example: Configuring a Static Subscriber Interface on a VLAN Interface over Aggregated Ethernet](#)
  - [Guidelines for Configuring Dynamic CoS for Subscriber Access](#)
  - [CoS for Subscriber Access Overview](#)

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