

VRF Awareness Access Class Line

The VRF Awareness Access Class Line feature supports access-class command on the VTY line for IPv4 and IPv6.

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Feature Information for VRF Awareness Access Class Line

The following table provides release information about the feature or features described in this module. This table lists only the software release that introduced support for a given feature in a given software release train. Unless noted otherwise, subsequent releases of that software release train also support that feature.

Use Cisco Feature Navigator to find information about platform support and Cisco software image support. To access Cisco Feature Navigator, go to www.cisco.com/go/cfn. An account on Cisco.com is not required.

Table 1: Feature Information for VRF Awareness Access Class Line

Feature Name	Releases	Feature Information
VRF Awareness Access Class Line	Cisco IOS XE Release 16.8.1	The VRF Awareness Access Class Line feature supports access-class command on the VTY line for IPv4 and IPv6. The following commands were introduced or modified by this feature: **access-class** *acl-name* **in** *vrfname* **vrf**, **ipv6 access-class** *acl-name* **in***vrfname* **vrf**.

Restrictions for VRF Awareness Access-Class Line

- The **vrf-also** keyword is mutually exclusive of **access-class line** command.
- Multiple VRFs cannot be configured on a single **access-class line** command. For example:

```
line vty 0 4
access-class acl1 in vrfA vrfB vrfc >>>is not supported
```

- When the **vrf aware access-class line** command for the same VRF is re-configured, the last configuration replaces the earlier one.
- If the **access-class line** command is configured with multiple VRFs (for example, vrfA, vrfB, vrfC) on a VTY line and the traffic passes through a different VRF (for example, vrfD), then the packets are dropped.
- There is only one vrf aware **access-class line** command for one VRF. For example:

```
Line vty 0 4
Access-class acl-1 in vrfname vrfA
Access-class acl-2 in vrfname vrfB
Access-class acl-1 in vrfname vrfC
```

Information About VRF Awareness Access Class Line

VRF Awareness Access Class Line

You can control the accessibility of the virtual terminal lines (VTY) to a device by applying an access list to inbound VTYs. You can also control the destinations that the VTYs from a device can reach by applying an access list to outbound VTYs.

Note When you apply an access list to a VTY using the **access-class** command, the access list can be a numbered access list or a named access list.

How to Configure VRF Awareness Access Class Line

Configure Access-Class on the VTY line

To configure the **access-class** command on the VTY line for IPv6, identify a specific line for configuration. Enter the line command with the optional line type VTY, which is the line number.

```
Device(config)# line vty 0 4
Device(config-line)# ipv6 access-class acl-name in vrfname vfrA
```

Note You also can use the **line** command without specifying a line type. In this case, the line number is treated as an absolute line number.

Configure Multiple Routing Tables or VRFs using Access-Class

To configure multiple routing tables or VRFs:

```
Device(config)# line vty 0 4
Device(config-line)# ipv6 access-class acl-1 in vrf vrfA
Device(config-line)# ipv6 access-class acl-2 in vrf vrfB
Device(config-line)# ipv6 access-class acl-1 in vrf vrfC
```

Configuration Examples for VRF Awareness Access Class Line

Example: VRF Awareness Access-Class for IPv4 and IPv6

```
line vty 0 4
access-class acl-1 in vrfname vrfA
```

```
line vty 0 5
ipv6 access-class acl-1 in vrfname MGMT
ipv6 access-class acl-2 in vrfname LOOP
```

Additional References for VRF Awareness Access Class Line

Related Documents

Related Topic	Document Title

MIBs

MIB	MIBs Link
• CISCO-VRF-MIB	To locate and download MIBs for selected platforms, Cisco IOS releases, and feature sets, use Cisco MIB Locator found at the following URL: http://www.cisco.com/go/mibs

Technical Assistance

Description	Link
The Cisco Support website provides extensive online resources, including documentation and tools for troubleshooting and resolving technical issues with Cisco products and technologies. To receive security and technical information about your products, you can subscribe to various services, such as the Product Alert Tool (accessed from Field Notices), the Cisco Technical Services Newsletter, and Really Simple Syndication (RSS) Feeds. Access to most tools on the Cisco Support website requires a Cisco.com user ID and password.	http://www.cisco.com/cisco/web/support/index.html