Configuring MPLS Access Lists

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Configuring MPLS Access Lists

MPLS Access lists enables filtering of MPLS packets based on MPLS label and sending filtered packets to configured redirect interfaces.

Procedure

	Command or Action	Purpose

Step 1	**configure terminal**
	Example:
	`switch# configure terminal`
	`switch(config)#`
		Enters global configuration mode.

Step 2	[**no**]**install feature-set mpls**
	Example:
	`switch(config)# install feature-set mpls`
	`switch(config)# feature-set mpls`
	`switch(config)# feature mpls segment-routing`
		Enables parsing of MPLS packets. This is mandatory to filter MPLS packets based on MPLS label.

Step 3	**mpls access list mpls-acl**
	Example:
	`switch(config)# mpls access list mpls-acl`
	`switch(config-mpls-acl)# 10 permit mpls 1600 any redirect Ethernet1/15`
		Configures mpls-access list with filtering based on incoming outer MPLS label.
		In this example, MPLS packets with incoming label 1600 matched and are redirected to Ethernet1/15.

Step 4	(Optional) **copy running-config startup-config** **Example:** `switch(config)# copy running-config startup-config`	(Optional) Copies the running configuration to the startup configuration.

Verifying the MPLS Access Lists Configuration

To display the MPLS access list configuration, perform the following task:

Command	Purpose
show mpls access lists	Displays information about MPLS access lists.

Configuration Examples for MPLS Access Lists

This example shows how to configure MPLS access lists:

```
switch# configure terminal
switch(config)# install feature-set mpls
switch(config)# feature-set mpls
switch(config)# feature mpls segment-routing
switch(config)# mpls access list mpls-acl
switch(config-mpls-acl)# 10 permit mpls 1600 any redirect Ethernet1/15
switch(config)# copy running-config startup-config
```