



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.

SUMMARY STEPS

1. **configure terminal**
2. **[no]install feature-set mpls**
3. **mpls access list mpls-acl**
4. (Optional) **copy running-config startup-config**

DETAILED STEPS

Procedure		
	Command or Action	Purpose
Step 1	configure terminal Example: <pre>switch# configure terminal switch(config)#</pre>	Enters global configuration mode.
Step 2	[no]install feature-set mpls Example: <pre>switch(config)# install feature-set mpls switch(config)# feature-set mpls switch(config)# feature mpls segment-routing</pre>	Enables parsing of MPLS packets. This is mandatory to filter MPLS packets based on MPLS label.
Step 3	mpls access list mpls-acl Example:	Configures mpls-access list with filtering based on incoming outer MPLS label.

	Command or Action	Purpose
	<pre>switch(config)# mpls access list mpls-acl switch(config-mpls-acl)# 10 permit mpls 1600 any redirect Ethernet1/15</pre>	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: <pre>switch(config)# copy running-config startup-config</pre>	(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
```