



# 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

	Command or Action	Purpose
Step 1	<b>configure terminal</b>  <b>Example:</b> switch# configure terminal switch(config)#	Enters global configuration mode.
Step 2	<b>[no]install feature-set mpls</b>  <b>Example:</b> 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	<b>mpls access list mpls-acl</b>  <b>Example:</b> 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.

	Command or Action	Purpose
<b>Step 4</b>	(Optional) <b>copy running-config startup-config</b>  <b>Example:</b> <code>switch(config)# copy running-config startup-config</code>	(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
<b>show mpls access lists</b>	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
```