# Configuring MPLS Access Lists


- Configuring MPLS Access Lists, on page 1
- Verifying the MPLS Access Lists Configuration, on page 2
- Configuration Examples for MPLS Access Lists, on page 2


## 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**<br>**Example:**<br>`switch# configure terminal`<br>`switch(config)#` | Enters global configuration mode. |
| **Step 2** | [**no**]**install feature-set mpls**<br>**Example:**<br>`switch(config)# install feature-set mpls`<br>`switch(config)# feature-set mpls`<br>`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**<br>**Example:**<br>`switch(config)# mpls access list mpls-acl`<br>`switch(config-mpls-acl)# 10 permit mpls 1600 any redirect Ethernet1/15` | Configures mpls-access list with filtering based on incoming outer MPLS label.<br>In this example, MPLS packets with incoming label 1600 matched and are redirected to Ethernet1/15. |
| **Step 4** | (Optional) **copy running-config startup-config**<br>**Example:**<br>`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
```