F Commands

This chapter describes the Cisco NX-OS Open Shortest Path First (OSPF) commands that begin with F.

feature ospf

To enable the Open Shortest Path First Protocol (OSPF), use the **feature ospf** command. To disable OSPF, use the **no** form of this command.

feature ospf

no feature ospf

Syntax Description	This command has no arguments or keywords.

Command Default	Disabled

Command Modes	Global configuration mode

Command History

Release	Modification
5.2(1)N1(1)	This command was introduced.

Usage Guidelines You must enable the OSPF feature before you can configure OSPF.

> **Note** In Cisco NX-OS Release 5.2(1)N1(1), a software upgrade on the Cisco Nexus 5548 switch and the Cisco Nexus 5596 switch that has the Layer 3 features enabled is disruptive. You must reload the switch and the Cisco Nexus 2000 Series Fabric Extender.

This command requires the LAN Base Services license.

Examples This example shows how to enable the OSPF feature:

```
switch# configure terminal
switch(config)# feature ospf
switch(config)#
```

This example shows how to disable the OSPF feature:

```
switch# configure terminal
switch(config)# no feature ospf
switch(config)#
```

Related Commands

Command	Description
router ospf	Creates an OSPF instance.
show feature	Displays the status of features on a switch.
show ospf	Displays OSPF configuration information.

flush-routes (OSPF)

To flush routes on a restart for the Open Shortest Path First (OSPF) protocol, use the **flush-routes** command. To disable this feature, use the **no** form of this command.

flush-routes

no flush-routes

Syntax Description   This command has no arguments or keywords.

Command Default   Disabled

Command Modes   Router configuration mode

Command History

Release	Modification
5.2(1)N1(1)	This command was introduced.

Usage Guidelines   This command causes OSPF to unregister from the unicast RIB when OSPF shuts down. The unicast RIB removes all the routes associated with this OSPF instance. If you do not configure the **flush-routes** command, OSPF does not unregister and the OSPF routes will be stale. The OSPF routes are eventually removed from the unicast RIB after a timeout period.

This command requires the LAN Base Services license.

Examples   This example shows how to flush routes for an OSPF restart:

```
switch# configure terminal
switch(config)# router ospf 202
switch(config-router)# flush-routes
switch(config-router)#
```

Related Commands

Command	Description
show ip ospf	Displays OSPF information.

flush-routes (OSPF)