<Chapter image here>

C H A P T E R 8

Enabling and Disabling Features

Introduced: Cisco NX-OS Release 4.0(1)

Cisco NX-OS software has the ability to enable and disable specific features, such as OSPF and PIM. By default, Cisco NX-OS software enables only those features that are required for initial networking connectivity. This approach optimizes the operating system and increases availability by not running additional processes that are not required.

If a feature is not enabled, the process for that feature is not running, and the configuration and verification (show) commands are not available from the CLI. Once a feature is enabled, the configuration and verification commands can be executed. Depending on the feature, the process will not start until the feature is configured (such as **router ospf 10**). We recommend that you keep the features disabled, or disable them if they are no longer required.

```
n7000# show process | grep ospf
-     NR         -          1    -  ospf

n7000# show process | grep pim
-     NR         -          0    -  pim


n7000(config)# feature ospf
n7000(config)# router ospf 10

n7000(config)# feature pim


n7000# show feature

Feature Name          Instance  State
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bfd                   1         disabled
bfd_app               1         disabled
bgp                   1         disabled

<CLI Output Omitted>

ospf                  1         enabled
ospf                  2         enabled (not-running)
ospf                  3         enabled (not-running)
ospf                  4         enabled (not-running)
ospfv3                1         disabled
ospfv3                2         disabled
ospfv3                3         disabled
ospfv3                4         disabled
otv                   1         disabled
pbr                   1         disabled
pim                   1         enabled (not-running)
```

```
pim6                    1        disabled

<CLI Output Omitted>

vrrp                    1        disabled
vtp                     1        disabled
wccp                    1        disabled


n7000# show process | grep ospf
9074     S  775d327b            1     -  ospf
```