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## R Commands

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This chapter describes the Cisco NX-OS FabricPath commands that begin with R.

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## reference-bandwidth (FabricPath)

To change the reference bandwidth used for setting an interface, use the **reference bandwidth** command. To return to the default setting, use the **no** form of this command.

**reference-bandwidth** *bandwidth* {Mbps | Gbps}

**no reference-bandwidth** *bandwidth* {Mbps | Gbps}

| Syntax Description | <i>bandwidth</i> | Specifies the bandwidth in Mbps and Gbps. The range is from 1 to 400000 in Mbps and from 1 to 400 in Gbps. |
|--------------------|------------------|------------------------------------------------------------------------------------------------------------|
|                    | Mbps             | Specifies the bandwidth in Mbps.                                                                           |
|                    | Gbps             | Specifies the bandwidth in Gbps.                                                                           |

| Command Default | The defaults are as follows: <ul style="list-style-type: none"> <li>Gbps: 400</li> <li>Mbps: 400000</li> </ul> |
|-----------------|----------------------------------------------------------------------------------------------------------------|
|-----------------|----------------------------------------------------------------------------------------------------------------|

| Command Modes | FabricPath IS-IS configuration mode |
|---------------|-------------------------------------|
|---------------|-------------------------------------|

| Command History | Release     | Modification                 |
|-----------------|-------------|------------------------------|
|                 | 5.1(3)N1(1) | This command was introduced. |

| Usage Guidelines | This command requires an Enhanced Layer 2 license. |
|------------------|----------------------------------------------------|
|------------------|----------------------------------------------------|

| Examples | This example shows how to change the reference bandwidth for a Gbps interface: |
|----------|--------------------------------------------------------------------------------|
|----------|--------------------------------------------------------------------------------|

```
switch# configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
switch(config)# fabricpath domain default
switch(config-fabricpath-isis)# topology 1
switch(config-fabricpath-isis-topo)# reference-bandwidth 500 Gbps
switch(config-fabricpath-isis-topo)#
```

| Related Commands | Command                     | Description                        |
|------------------|-----------------------------|------------------------------------|
|                  | <b>show fabricpath isis</b> | Displays FabricPath Layer 2 IS-IS. |

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## root-priority (FabricPath)

To set the priority for which node becomes the root, use the **root-priority** command. To return to the default setting, use the **no** form of this command.

**root-priority** *value*

**no root-priority** *value*

| Syntax Description | <i>value</i> | Root priority value per topology. The range is from 1 to 255. The default is 64. |
|--------------------|--------------|----------------------------------------------------------------------------------|
|--------------------|--------------|----------------------------------------------------------------------------------|

| Command Default | The default value is 64. |
|-----------------|--------------------------|
|-----------------|--------------------------|

| Command Modes | FabricPath IS-IS configuration mode |
|---------------|-------------------------------------|
|---------------|-------------------------------------|

| Command History | Release     | Modification                 |
|-----------------|-------------|------------------------------|
|                 | 5.1(3)N1(1) | This command was introduced. |

| Usage Guidelines | The highest numerical value for the priority is likely to become root.<br>This command requires an Enhanced Layer 2 license. |
|------------------|------------------------------------------------------------------------------------------------------------------------------|
|------------------|------------------------------------------------------------------------------------------------------------------------------|

| Examples | This example shows how to set the priority for which node becomes the root:<br><br>switch# <b>configure terminal</b><br>Enter configuration commands, one per line. End with CNTL/Z.<br>switch(config)# <b>fabricpath domain default</b><br>switch(config-fabricpath-isis)# <b>topology 1</b><br>switch(config-fabricpath-isis-topo)# <b>root-priority 1</b><br>switch(config-fabricpath-isis-topo)# |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| Related Commands | Command                     | Description                            |
|------------------|-----------------------------|----------------------------------------|
|                  | <b>show fabricpath isis</b> | Displays FabricPath IS-IS information. |

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