



## R Commands

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

# 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}

|                           |                  |                                                                                                            |
|---------------------------|------------------|------------------------------------------------------------------------------------------------------------|
| <b>Syntax Description</b> | <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. |
|                           | <b>Mbps</b>      | Specifies the bandwidth in Mbps.                                                                           |
|                           | <b>Gbps</b>      | Specifies the bandwidth in Gbps.                                                                           |

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

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| <b>Command Modes</b> | FabricPath IS-IS configuration mode |
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| <b>Command History</b> | <b>Release</b> | <b>Modification</b>          |
|                        | 6.0(2)N1(1)    | This command was introduced. |

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|-------------------------|----------------------------------------------------|
| <b>Usage Guidelines</b> | This command requires an Enhanced Layer 2 license. |
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| <b>Examples</b> | 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)#
```

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

# 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*

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|---------------------------|--------------|----------------------------------------------------------------------------------|
| <b>Syntax Description</b> | <i>value</i> | Root priority value per topology. The range is from 1 to 255. The default is 64. |
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| <b>Command Default</b> | The default value is 64. |
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| <b>Command Modes</b> | FabricPath IS-IS configuration mode |
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|------------------------|----------------|------------------------------|
| <b>Command History</b> | <b>Release</b> | <b>Modification</b>          |
|                        | 6.0(2)N1(1)    | This command was introduced. |

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| <b>Usage Guidelines</b> | The highest numerical value for the priority is likely to become root.<br>This command requires an Enhanced Layer 2 license. |
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| <b>Examples</b> | This example shows how to set the priority for which node becomes the root: |
|-----------------|-----------------------------------------------------------------------------|

```
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)# root-priority 1  
switch(config-fabricpath-isis-topo)#
```

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

