



## B Commands

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This chapter describes the Cisco NX-OS unicast routing commands that begin with the letter B.

# bestpath

To change the default bestpath selection algorithm, use the **bestpath** router bgp configuration mode command. To return the BGP routing process to the default operation, use the **no** form of this command.

```
bestpath { always-compare-med | as-path multipath-relax | compare-routerid | cost-community ignore | med { confed | missing-as-worst | non-deterministic } }
```

```
no bestpath { always-compare-med | as-path multipath-relax | compare-routerid | cost-community ignore | med { confed | missing-as-worst | non-deterministic } }
```

| Syntax Description             |   |
|--------------------------------|---|
| <b>always-compare-med</b>      | Compares the multi-exit discriminator MED on paths from different autonomous systems.   |
| <b>as-path multipath-relax</b> | Allows load sharing across providers with different (but equal-length) autonomous system paths. Without this option, the AS paths must be identical for load sharing.   |
| <b>compare-routerid</b>        | Compares the router IDs for identical eBGP paths.   |
| <b>cost-community ignore</b>   | Ignores the cost community for BGP best-path calculations. For more information on the BGP cost community, see the “Configuring MLPS Layer 3 VPN Load Balancing” chapter of the <i>Cisco Nexus 7000 Series NX-OS MPLS Configuration Guide</i> . |
| <b>med confed</b>              | Forces bestpath to do a MED comparison only between paths originated within a confederation.  |
| <b>med missing-as-worst</b>    | Treats a missing MED as the highest MED.  |
| <b>med non-deterministic</b>   | Does not always pick the best MED path from among the paths from the same autonomous system.  |

None

| Command Modes |   |
|---------------|---|
|               | Router BGP configuration<br>Neighbor configuration<br>VRF configuration |

| Supported Use Roles |                            |
|---------------------|----------------------------|
|                     | network-admin<br>vdc-admin |

| Command History | Release | Modification                 |
|-----------------|---------|------------------------------|
|                 | 4.0(1)  | This command was introduced. |

| Usage Guidelines |  |
|------------------|--|
|                  | You must ensure that BGP is enabled prior to entering this command for this command to be supported. You can enter the <b>feature bgp</b> global configuration mode command to enable BGP. |

To enable the comparison of the MED for paths from neighbors in different autonomous systems, use the **bgp always-compare-med** command.

This command requires the Enterprise Services license.

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**Examples**

This example shows how to change the default bestpath selection algorithm to compare the MED on paths from different AS:

```
switch(config)# router bgp 64496
switch(config-router)# bestpath always-compare-med
```

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**Related Commands**

| Command            | Description           |
|--------------------|-----------------------|
| <b>feature bgp</b> | Enables BGP globally. |

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