



## B Commands

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# 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 MPLS Layer 3 VPN Load Balancing” chapter of the Cisco Nexus 7000 Series NX-OS MPLS Configuration Guide.
<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  
Neighbor configuration  
VRF configuration

## 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 **feature bgp** 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# configure terminal  
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.

