



OSPFv3 Dynamic Interface Cost Support

The OSPFv3 Dynamic Interface Cost Support feature extends Point-to-Point Protocol over Ethernet (PPPoE) to enable a router or radio to query or report link-quality metric information. Cisco routers have been enhanced so that Open Shortest Path First version 3 (OSPFv3) or Enhanced Interior Gateway Routing Protocol (EIGRP) can factor link quality metrics into route cost calculations.

The OSPFv3 Dynamic Interface Cost Support feature provides enhancements to the OSPFv3 cost metric for supporting Mobile Ad Hoc Networks.

Configuration Information

Configuration information is included in the “Mobile Ad Hoc Networks for Router-to-Radio Communications” module of the *Cisco IOS IP Mobility Configuration Guide*, Release 12.4T, at the following URL:

http://www.cisco.com/en/US/docs/ios/ipmobility/configuration/guide/12_4t/imo_12_4t_book.html

The following sections provide information about this feature:

- Link Quality Metrics Reporting for OSPFv3 and EIGRP with VMI Interfaces
- Neighbor Up/Down Signaling for OSPFv3 and EIGRP
- OSPF Cost Calculation

For a complete list of features included in the “Mobile Ad Hoc Networks for Router-to-Radio Communications” module, see the Feature Information table located toward the end of the module.

Command Reference Information

Release 12.4(15)T

The following commands are new or modified for this feature:

- **ipv6 ospf cost**
- **ipv6 ospf network**
- **show ipv6 ospf**



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- **show ipv6 ospf interface**

Detailed information about these commands is included in the *Cisco IOS IP Mobility Command Reference* at the following URL:

http://www.cisco.com/en/US/docs/ios/ipmobility/command/reference/imo_book.html

Master Commands Lists

Cisco IOS master commands lists provide an alphabetical list of all Cisco IOS commands in a Cisco IOS release.

Cisco IOS new, modified, removed, and replaced commands lists provide an alphabetized list of all new, modified, removed, and replaced commands in a Cisco IOS release.

Release 12.4T

Cisco IOS Master Commands List, Release 12.4T, at the following URL:

http://www.cisco.com/en/US/docs/ios/mcl/124tmcl/124t_book.html

Cisco IOS New, Modified, Removed, and Replaced Commands List, Release 12.4T, at the following URL:

<http://www.cisco.com/univercd/cc/td/doc/product/software/ios124/124mindx/124html.htm>

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