



## MSDP Compliance with IETF RFC 3618

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The MSDP Compliance with IETF RFC 3618 feature enables you to configure Multicast Source Discovery Protocol (MSDP) to comply with the peer-RPF forwarding rules defined in the Internet Engineering Task Force (IETF) RFC 3618 specifications. Enabling the MSDP Compliance with IETF RFC 3618 feature prevents Source-Active (SA) message loops. Additionally, enabling the MSDP Compliance with IETF RFC 3618 feature eliminates the requirement that Border Gateway Protocol (BGP) route reflectors (RRs) run MSDP, enables the use of an Interior Gateway Protocol (IGP) for the Reverse Path Forwarding (RPF) check, and allows MSDP peerings between routers in nondirectly connected autonomous systems.

### Configuration Information

Configuration information is included in the “Using MSDP to Interconnect Multiple PIM-SM Domains” module at the following URL:

[http://www.cisco.com/en/US/partner/docs/ios/ipmulti/configuration/guide/imc\\_msdp\\_im\\_pim\\_sm.html](http://www.cisco.com/en/US/partner/docs/ios/ipmulti/configuration/guide/imc_msdp_im_pim_sm.html)

The following sections provide information about this feature:

- Configuring MSDP Compliance with IETF RFC 3618
- MSDP Compliance with IETF RFC 3618: Example

For a complete list of features included in the “Using MSDP to Interconnect Multiple PIM-SM Domains” module, see the Feature Information table located toward the end of the module.

### Command Reference Information

#### Release 12.2SX

The following commands are new or modified for this feature:

- **ip msdp rpf rfc3618**
- **show ip msdp rpf-peer**



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

[http://www.cisco.com/en/US/docs/ios/ipmulti/command/reference/imc\\_book.html](http://www.cisco.com/en/US/docs/ios/ipmulti/command/reference/imc_book.html)

## Master Commands Lists

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

### Release 12.2SX

*Cisco IOS Master Commands List*, Release 12.2SX, at the following URL:

[http://www.cisco.com/en/US/partner/docs/ios/mcl/122sxmcl/12\\_2sx\\_mcl\\_book.html](http://www.cisco.com/en/US/partner/docs/ios/mcl/122sxmcl/12_2sx_mcl_book.html)

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