



## PIM Dense Mode Fallback Prevention in a Network Following RP Information Loss

---

The PIM Dense Mode Fallback Prevention in a Network Following RP Information Loss feature enables you to prevent PIM dense mode (PIM-DM) fallback when all rendezvous points (RPs) fail. Preventing the use of PIM dense mode is very important to multicast networks whose reliability is critical. This feature provides a mechanism to keep the multicast groups in sparse mode, thereby preventing dense mode flooding.

### Configuration Information

Configuration information is included in the “Configuring Basic IP Multicast” at the following URL:

[http://www.cisco.com/en/US/partner/docs/ios/ipmulti/configuration/guide/imc\\_basic\\_cfg.html](http://www.cisco.com/en/US/partner/docs/ios/ipmulti/configuration/guide/imc_basic_cfg.html)

The following sections provide information about this feature:

- Configuring Sparse Mode with Auto-RP

For a complete list of features included in the “Configuring Basic IP Multicast” module, see the Feature Information table located toward the end of the module.



---

**Americas Headquarters:**

**Cisco Systems, Inc., 170 West Tasman Drive, San Jose, CA 95134-1706 USA**

© 2007 Cisco Systems, Inc. All rights reserved.

## Command Reference Information

The following command is new or modified for this feature:

- **ip pim dm-fallback**

Detailed information about this command 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)

CCVP, the Cisco logo, and Welcome to the Human Network are trademarks of Cisco Systems, Inc.; Changing the Way We Work, Live, Play, and Learn is a service mark of Cisco Systems, Inc.; and Access Registrar, Aironet, Catalyst, CCDA, CCDP, CCIE, CCIP, CCNA, CCNP, CCSP, Cisco, the Cisco Certified Internetwork Expert logo, Cisco IOS, Cisco Press, Cisco Systems, Cisco Systems Capital, the Cisco Systems logo, Cisco Unity, Enterprise/Solver, EtherChannel, EtherFast, EtherSwitch, Fast Step, Follow Me Browsing, FormShare, GigaDrive, HomeLink, Internet Quotient, IOS, iPhone, IP/TV, iQ Expertise, the iQ logo, iQ Net Readiness Scorecard, iQuick Study, LightStream, Linksys, MeetingPlace, MGX, Networkers, Networking Academy, Network Registrar, PIX, ProConnect, ScriptShare, SMARTnet, StackWise, The Fastest Way to Increase Your Internet Quotient, and TransPath are registered trademarks of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries.

All other trademarks mentioned in this document or Website are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (0711R)

Any Internet Protocol (IP) addresses used in this document are not intended to be actual addresses. Any examples, command display output, and figures included in the document are shown for illustrative purposes only. Any use of actual IP addresses in illustrative content is unintentional and coincidental.

© 2007 Cisco Systems, Inc. All rights reserved.

