Finding Feature Information

Last Updated: December 12, 2011

Your software release may not support all the features documented in this module. For the latest feature information and caveats, see the release notes for your platform and software release. To find information about the features documented in this module, and to see a list of the releases in which each feature is supported, see the Feature Information Table at the end of this document.

Use Cisco Feature Navigator to find information about platform support and Cisco software image support. To access Cisco Feature Navigator, go to www.cisco.com/go/cfn. An account on Cisco.com is not required.

Minimal Disruptive Restart of VIP Cards

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The Minimal Disruptive Restart (MDR) of VIP Cards feature optimizes the reload time of a VIP card on a Cisco 7500 series router after a software failure has occurred. The amount of time for a VIP card to reload with the MDR functionality varies depending on the port adapter in the VIP card. With this software enhancement, the reload time of a VIP card with the Single Line Card Reload (SLCR) technology is decreased from approximately 30 seconds to approximately 5 seconds. This improvement provides high availability and minimizes equipment downtime. As an additional part of this feature, users can initiate a VIP card reload with the MDR functionality on a single slot using the **microcode reload** command.

The MDR functionality has the following limitations:

* If a VIP card software failure occurs within 5 minutes of up time, the VIP card is not reloaded with the MDR functionality. Instead, a standard reset and microcode reload is performed. If a software failure occurs after 5 minutes of up time, the VIP card is reloaded with the MDR functionality.
* A VIP card can be reloaded with the MDR functionality five consecutive times. If a VIP card must be reloaded for a sixth consecutive time, it is not reloaded with the MDR functionality. Instead, a standard reset and microcode reload is performed.

These limitations are not applicable when performing a VIP card reload using the **microcode reload** command. There is no limit to the number of times a VIP card can be reloaded with this command.

Feature History for the Minimal Disruptive Reload of VIP Cards Feature

Release	Modification
12.3(8)T	This feature was introduced.

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