Release Notes for Cisco LocalDirector Version 4.2.3

October 19, 2001

Note The most current Cisco documentation for released products is available on Cisco.com at http://www.cisco.com. The online documents may contain updates and modifications made after the hardcopy documents were printed.

Contents

These release notes describe the following topics:

Introduction

These release notes are to be used in conjunction with the *Cisco LocalDirector Configuration and Command Reference Guide, Version 4.2.*

Caveats

Caveats describe unexpected behavior in Cisco LocalDirector software releases. This section lists the open and resolved caveats for LocalDirector software, Version 4.2.3.

Open Caveats - LocalDirector Software Version 4.2.3

This section describes possibly unexpected behavior by LocalDirector software, Version 4.2.3.

- CSCdm62909

  The LocalDirector snmpwalk operation fails to fully traverse nodes in lexicographical order when starting at some nonleaf nodes.

- CSCdt14979

  The **configuration net** command causes LocalDirector to reboot if the configuration file on the TFTP server lists both virtual and real servers.

- CSCdv49047

  The cookie passive hash table entries are not being replicated to the standby unit after it completes a reboot. This behavior occurs only with the LD-420 platform.

Resolved Caveats - LocalDirector Software Version 4.2.3

All caveats listed in this section are resolved in LocalDirector software, Version 4.2.3.

- CSCdt64748

  After a few probes, LocalDirector puts the real server in an efailed state, but the real server is healthy and responds to HTTP requests.

- CSCdu11476

  TN3270 terminal emulation sessions are dropped in CIP router environments. LocalDirector may also run out of memory.

- CSCdu17153

  HTTP GET requests with URLs longer than 256 bytes are TCP reset if the LocalDirector virtual server is configured to use the **cookie-insert** feature of the **sticky** command. The limit after this fix is set to 1480 bytes.

- CSCdu33339

  SNMP management stations display a negative number for the total number of bytes on a particular virtual server when a query is done for that server.

- CSCdu34336

  LocalDirector locks up after receiving DFP agent traffic if CLB virtual servers are defined.

- CSCdu35390

  Content rules are not being saved properly when a **write terminal** command is issued.

- CSCdu39666

  The failed standby LocalDirector crashed when trying to access configurations from the active LocalDirector.

- CSCdu45409

  The failover environment of LocalDirector becomes unstable if the following command sequence is repeated:

  write memory

  write floppy

- CSCdu60081

  After many Telnet sessions LocalDirector begins to refuse subsequent attempts to open sessions.

- CSCdu64435

  Once a virtual machine has been placed into the FAILED state, HTTP probes are not sent to the real machines bound to the failed virtual machine.

- CSCdu65271

  When a virtual machine configured as **sticky generic** is set to back up a virtual machine, also configured as **sticky generic**, the **sticky generic** option does not succeed when the primary machine fails over to the backup virtual machine.

- CSCdu69896

  When the **assign** command is configured in LocalDirector with software Version 4.2.2 with a client netmask of 1.0.0.0, the command cannot be removed from the configuration file.

- CSCdu78539

  After many **show version** commands are issued, the LocalDirector begins leaking channels and might freeze or reboot.

- CSCdu80742

  After many **write standby** commands are issued, LocalDirector begins leaking channels and might freeze or reboot.

- CSCdv01218

  Under some circumstances, Local Director can reach the Out of Proxy Objects state.

- CSCdv06301

  You cannot do an snmpwalk operation on the cldRealMachine or cldVirtualMachine object identifier group.

- CSCdv06734

  The backup virtual machine is not used if stickied to the original virtual machine.

- CSCdv13093

  When you upgrade to Version 4.2.2 software, you cannot ping a real machine that is used with the **static** command.

- CSCdv16242

  LocalDirector crashes when deleting a virtual machine with an associated content-rule while connections are being established to the virtual machines with the same IP address as the virtual machines being deleted.

- CSCdv21441

  An snmpwalk operation with the cldexVirtualTotalBytes MIB object does not show all the virtual machines.

- CSCdv24829

  The LocalDirector sysDescr MIB object does not return the software version information.

- CSCdv30094

  LocalDirector does not reassign traffic to a real server if the client is in the real server's subnet.

- CSCdv56353

  Deleting or modifying an HTTP probe definition of an HTTP probe that is actively probing, can cause LocalDirector to stop working.

Related Documentation

The following documents provide additional information and should be used in conjunction with these release notes:

- *Cisco LocalDirector Configuration and Command Reference Guide, Version 4.2*
- *Cisco LocalDirector Hardware Installation Guide*
- *Cisco LocalDirector 417 Hardware Installation Guide*
- *Release Notes for Cisco LocalDirector 417G*
- *Regulatory Compliance and Safety Information for Cisco LocalDirector*
- *Cisco Content Router 4400 User Guide*

Obtaining Documentation

The following sections explain how to obtain documentation from Cisco Systems.

World Wide Web

You can access the most current Cisco documentation on the World Wide Web at the following URL:

http://www.cisco.com

Translated documentation is available at the following URL:

http://www.cisco.com/public/countries_languages.shtml

Documentation CD-ROM

Cisco documentation and additional literature are available in a Cisco Documentation CD-ROM package, which is shipped with your product. The Documentation CD-ROM is updated monthly and may be more current than printed documentation. The CD-ROM package is available as a single unit or through an annual subscription.

Ordering Documentation

Cisco documentation is available in the following ways:

- Registered Cisco Direct Customers can order Cisco product documentation from the Networking Products MarketPlace:

  http://www.cisco.com/cgi-bin/order/order_root.pl

- Registered Cisco.com users can order the Documentation CD-ROM through the online Subscription Store:

  http://www.cisco.com/go/subscription

- Nonregistered Cisco.com users can order documentation through a local account representative by calling Cisco corporate headquarters (California, USA) at 408 526-7208 or, elsewhere in North America, by calling 800 553-NETS (6387).

Documentation Feedback

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Obtaining Technical Assistance

Cisco provides Cisco.com as a starting point for all technical assistance. Customers and partners can obtain documentation, troubleshooting tips, and sample configurations from online tools by using the Cisco Technical Assistance Center (TAC) Web Site. Cisco.com registered users have complete access to the technical support resources on the Cisco TAC Web Site.

Cisco.com

Cisco.com is the foundation of a suite of interactive, networked services that provides immediate, open access to Cisco information, networking solutions, services, programs, and resources at any time, from anywhere in the world.

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- Download and test software packages

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You can self-register on Cisco.com to obtain customized information and service. To access Cisco.com, go to the following URL:

http://www.cisco.com

Technical Assistance Center

The Cisco TAC is available to all customers who need technical assistance with a Cisco product, technology, or solution. Two types of support are available through the Cisco TAC: the Cisco TAC Web Site and the Cisco TAC Escalation Center.

Inquiries to Cisco TAC are categorized according to the urgency of the issue:

- Priority level 4 (P4)—You need information or assistance concerning Cisco product capabilities, product installation, or basic product configuration.

- Priority level 3 (P3)—Your network performance is degraded. Network functionality is noticeably impaired, but most business operations continue.

- Priority level 2 (P2)—Your production network is severely degraded, affecting significant aspects of business operations. No workaround is available.

- Priority level 1 (P1)—Your production network is down, and a critical impact to business operations will occur if service is not restored quickly. No workaround is available.

Which Cisco TAC resource you choose is based on the priority of the problem and the conditions of service contracts, when applicable.

Cisco TAC Web Site

The Cisco TAC Web Site allows you to resolve P3 and P4 issues yourself, saving both cost and time. The site provides around-the-clock access to online tools, knowledge bases, and software. To access the Cisco TAC Web Site, go to the following URL:

http://www.cisco.com/tac

All customers, partners, and resellers who have a valid Cisco services contract have complete access to the technical support resources on the Cisco TAC Web Site. The Cisco TAC Web Site requires a Cisco.com login ID and password. If you have a valid service contract but do not have a login ID or password, go to the following URL to register:

http://www.cisco.com/register/

If you cannot resolve your technical issues by using the Cisco TAC Web Site, and you are a Cisco.com registered user, you can open a case online by using the TAC Case Open tool at the following URL:

http://www.cisco.com/tac/caseopen

If you have Internet access, it is recommended that you open P3 and P4 cases through the Cisco TAC Web Site.

Cisco TAC Escalation Center

The Cisco TAC Escalation Center addresses issues that are classified as priority level 1 or priority level 2; these classifications are assigned when severe network degradation significantly impacts business operations. When you contact the TAC Escalation Center with a P1 or P2 problem, a Cisco TAC engineer will automatically open a case.

To obtain a directory of toll-free Cisco TAC telephone numbers for your country, go to the following URL:

http://www.cisco.com/warp/public/687/Directory/DirTAC.shtml

Before calling, please check with your network operations center to determine the level of Cisco support services to which your company is entitled; for example, SMARTnet, SMARTnet Onsite, or Network Supported Accounts (NSA). In addition, please have available your service agreement number and your product serial number.

This document is to be used in conjunction with the documents listed in the "Related Documentation" section.