Release Notes for Cisco Cache Software Release 3.0.1

December 29, 2000

> **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.

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CISCO SYSTEMS

Introduction

These release notes contain information for Cisco Cache software, Release 3.0.1 for the Cisco Content Engine 7320, that is not in the printed user guides. Software release 3.0.1 is an extension of software release 3.0.0. Refer to the *Release Notes for Cisco Cache Software, Release 3.0.0* for 3.0.0 release notes, including the new features implemented in Release 3.0.0. Refer to the *Cisco Cache Software Configuration Guide, Software Release 3.x.x* for the following information:

- Instructions for configuring and maintaining the Cisco Cache software

- Descriptions of Web Cache Communication Protocol (WCCP) Version 1 and Version 2

> **Note** WCCP is also known as Web Cache Control Protocol and Web Cache Coordination Protocol.

Refer to the *Cisco Cache Software Command Reference, Release 3.0.0* for global configuration, EXEC, show, and interface command descriptions. Refer to the *Cisco Content Networking Hardware Installation Guide for the Seven-Rack Unit Chassis* for information on the Cisco Content Engine 7320.

System Requirements

Hardware Supported

Cisco Cache software, Release 3.0.0 and Release 3.0.1, is only supported by the Cisco Content Engine 7320.

Determining the Software Version

To determine the version of the software currently running on the Cisco Content Engine 7320, log on to the Content Engine and enter the **show version** EXEC command.

Upgrading to a New Software Release

Cisco Cache Software, Release 3.0.1 for the Cisco Content Engine 7320, is available from the following URL:

http://www.cisco.com/cgi-bin/tablebuild.pl/cache-engine30

> **Note** Release 3.0.0 cannot be used to load any previous release of the Cisco Cache Software nor can any previous release of the Cache Software be used to load Release 3.0.0.

The system image file is a binary file (.bin suffix). The .bin file contains the full-image software, which includes the graphical user interface (GUI). To upgrade the system software, the Content Engine FTP client software copies the system image file to Content Engine main memory and then writes the image

to Flash memory. Refer to the "Recovering the System Software" section on page 2-2 of the *Cisco Cache Software Configuration Guide, Software Release 3.x.x*, for instructions on booting the Content Engine if the software upgrade fails.

> **Note** We recommend that when loading a system image, you redirect traffic around the Content Engine to prevent degrading HTTP service.

The following procedure describes how to upgrade the Content Engine system software and optionally change the boot parameters.

Step 1 Download the .bin system image file to a Windows NT, LINUX, or UNIX host that is running an FTP server.

Step 2 Perform the following substeps to copy the system image file from an FTP server to the Content Engine Flash memory. In this example, the FTP server has the IP address 192.168.88.89 with the system image file (ce7320_example.bin) located in the /images directory:

   a. At the EXEC command line of your Content Engine, enter the following:

```
copy ftp flash 192.168.88.89 /images ce7320_example.bin
```

   b. If the FTP server username prompt appears, enter your username.

   c. If the FTP server password prompt appears, enter your password.

The following messages appear:

```
Initiating FTP download. . .
Downloaded 10685440 byte image file
A new system image has been downloaded.
You should write it to flash at this time.
Write to flash [yes]: _
```

To write the new system image to Flash memory, press **Enter** to accept the default (yes) or enter **yes**.

The following message appears:

```
Ok, writing new image to flash . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
```

   d. At the command-line interface prompt, reboot the Content Engine. Enter:

```
reload
```

New and Changed Information

Release 3.0.1 consists of open and resolved caveats only. See the "Caveats" section on page 8. Release 3.0.1 has no new features.

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ntp-4.0.99j

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strace

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Caveats

The following sections describe the open and resolved caveats for Release 3.0.1 at the printing of these release notes. Caveats describe unexpected behavior in the Cisco Cache software.

Open Caveats—Release 3.0.1

- CSCds55945

  Symptom: The Content Engine FTP proxy may return an error message when accessing a file with an absolute path name even though a Netscape Navigator browser can directly access the file without errors.

  Cause: This behavior occurs only with authenticated requests when the user's home directory differs from his or her root directory.

  Workaround: You can insert the following string as the first component in the path name:

  `%2f`

  For example, if you receive an error message when you attempt to access this path:

  `ftp://ftp.example.com/auto/tasmania/`

  insert `%2f` into the path name as follows:

  ftp://ftp.example.com/%2f/auto/tasmania

  You can also try using the URL in the returned error page to access the site.

- CSCds58813

  Symptom: The **show running-config** command output displays the running configuration with the FastEthernet interface in the no autosense mode regardless of whether the interface is operating in the no autosense mode or the autosense mode (the default). If this running configuration is copied and saved to the startup configuration file within NVRAM, the given FastEthernet interface will operate in the no autosense mode after the next reboot of the Content Engine. Hence, the autosense mode is disabled without your disabling it.

  Workaround: After reboot, enable the autosense mode within the affected FastEthernet interface using the **autosense** command.

- CSCds81066

  Symptom: Although the **terminal length** command is saved as part of the running configuration after it is configured and saved, this command setting is temporary and is applicable only to the session in which it was configured. The expectation is that since the **terminal length** command is saved as part of the running configuration, the command setting is applicable to subsequent reboots and logins until the setting is changed.

  Cause: Access to the **terminal length** command was incorrectly placed into global configuration mode instead of EXEC mode. This command, when configured, should be a temporary setting allowing each user to configure his or her terminal length preference for a given session. In accordance with Cisco IOS software, changes to a terminal setting for a temporary basis are performed within EXEC mode.

  Workaround: Continue to set the **terminal length** command within global configuration mode whenever you want to use this feature. In Release 3.1.0, you will be able to configure the **terminal length** command within EXEC mode, and it will not be saved to the running configuration.

Resolved Caveats—Release 3.0.1

- CSCds59323

  The synchronization problem in the Content Engine 7320 that would sometimes cause this Content Engine to shut down its caching services is resolved.

- CSCds59330

  The **[no] debug translog export** command can now enable or disable debugging for the FTP-export feature. You can view debugging information for the internal FTP commands sent to a remote server, which you could not do with Release 3.0.0.

- CSCds75339

  The **http object max-size** command, which did not function properly in Release 3.0.0, is now functioning properly. In Release 3.0.0, if a response from a server did not include a content-length header for a given HTTP object, the object would sometimes be cached regardless of whether its size exceeded the maximum size specified within the **http object max-size** command.

  Possible cause: To determine whether to cache a given HTTP object, Release 3.0.0 only compared the content-length header value with the configured maximum http-cachable-size value and used only this comparison. A software function that would account for the scenario in which a content-length header was *not* included in a given HTTP object had not been implemented until Release 3.0.1.

Related Documentation

For additional information on the Cisco Content Engine 7320 and the Cisco Cache software, Release 3.x.x, refer to the following documentation:

- *Cisco Content Networking Hardware Installation Guide for the Seven-Rack Unit Chassis*
- *Regulatory Compliance and Safety Information for the Cisco Cache Engine Series*
- *Cisco Storage Array 12 Installation and Configuration Guide*
- *Cisco Storage Array 6 Installation and Configuration Guide*
- *Cisco Cache Software Configuration Guide, Release 3.x.x*
- *Cisco Cache Software Command Reference, Release 3.0.0*
- *Release Notes for the Cisco Storage Array*

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- P3—Your network performance is degraded. Network functionality is noticeably impaired, but most business operations continue.

- P4—You need information or assistance on Cisco product capabilities, product installation, or basic product configuration.

In each of the above cases, use the Cisco TAC website to quickly find answers to your questions.

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Contacting TAC by Telephone

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

P1 and P2 level problems are defined as follows:

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- P2—Your production network is severely degraded, affecting significant aspects of your business operations. No workaround is available.