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How to Check What Web Sites/URLs the Cache Engine Is Caching

Document ID: 15040

Introduction

Hardware and Software Versions

Transaction Logging

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Related Information

Introduction

This document explains how to set up transaction logging to keep track of what web sites/URLs are being cached on the Cache Engine.

Hardware and Software Versions

This configuration was developed and tested using these hardware and software versions:

- **Hardware:** Cisco Cache Engine 500 series and 73xx
- **Software:** Cisco Cache Software, Release 2.3.0 and updated for ACNS version 4.x and 5.x

Transaction Logging

To keep a track of what web sites are being visited, you need to enable transaction logging on the Cache Engine.

4. To begin, verify that transaction logging is enabled. Issue the **show transaction-logging** command.

ACNS 4.x

```
ce-5#show transaction-logging
Transaction Logs:
Logging is disabled.
End user identity is visible.
File markers are disabled
Archive interval: every-day at 00:00
Maximum Number of Archived Files: 3
Exporting files to servers is disabled.
Export interval: every-day every 1 hour
Working Log file - size: 0
age: Unavailable
No Archive Log file found
ce-5#
```

You can see that logging is disabled.

ACNS 5.x

```
ce-5#show transaction-logging
Transaction log configuration:
```

```
-----
Logging is enabled.
End user identity is visible.
File markers are disabled.
Archive interval: every-day every 1 hour
Maximum size of archive file: 2000000 KB
Log File format is squid.
Windows domain is not logged with the authenticated username
```

```
Exporting files to ftp servers is disabled.
File compression is disabled.
Export interval: every-day every 1 hour
```

HTTP Caching Proxy Transaction Log File Info

```
Working Log file - size : 206
                  age: 23
```

WMT MMS Caching Proxy/Server Transaction Log File Info

```
Working Log file - size : 575
                  age: 139
Archive Log file - mms_export_192.168.10.208_20040108_115421 size: 575
```

ADTransaction Log File Info

```
Working Log file - size : 119
                  age: 139
Archive Log file - acqdist_192.168.10.208_20040108_115421 size: 119
```

TV-out Transaction Log File Info

```
Working Log file - size : 48
                  age: 139
Archive Log file - tvout_192.168.10.208_20040108_115421 size: 48
```

3. The current log file is named working.log, and is stored in the /local/var/log/translog directory (version 2) or /local1/logs (version 4 and 5). Check your current directory.

```
ce-5#pwd
/local
ce-5#
change directory to
ce-5# cd /local/var/log/translog (version 2)
ce-5# cd /local1/logs (version 4)
check directory contents
ce-5#pwd
/local/var/log/translog

ce-5#dir
  size      date       time       name          LongName
-----
    512    May-01-2001 00:00:00  .              <DIR> .
    512    Jan-01-1988 00:09:14  ..             <DIR> ..
    512    Aug-02-2000 19:28:32  ARCHIVE       <DIR> archive
     0    May-01-2001 00:00:00  WORKING.LOG   working.log
  3 DIR(S),  1 FILE(S) 0 bytes
 2130116608 bytes AVAILABLE ON VOLUME /c0t0d0s1
ce-5#
```

Version 4 and 5 include a boomerang directory where content routing race results are logged (configured with the **boomerang log-races enable** command) and an export directory where

log file FTP export results are logged (configured with the **transaction-logs export** command).

2. To read the contents of the file, issue the **type working.log** command.

```
ce-5#type working.log
ce-5#
```

As of now, the file is empty. Notice that the file size in the dir command is zero.

1. Enable transaction logging.

```
ce-5#conf t
Enter configuration commands, one per line. End with CNTL/Z
ce-5(config)#transaction-logs enable
        Starting transaction log processes
        Started Transaction Log File Manager Archive Script
        Started Transaction Log Daemon
ce-5(config)#
```

Check again to see if transaction logging is enabled.

```
ce-5#show transaction-logging
Transaction Logs:
Logging is enabled.
End user identity is visible.
File markers are disabled
Archive interval: every-day at 00:00
Maximum Number of Archived Files: 3
Exporting files to servers is disabled.
Export interval: every-day every 1 hour
Working Log file - size: 0
age: 48
No Archive Log file found
ce-5#
```

The transaction logs are now enabled.

Verifying the Configuration

These are Web sites that were visited (www.cisco.com for example) to check the contents of the file working.log :

```
ce-5#type working.log
987816643.766 116 10.1.1.5 TCP_MISS/0 1468 GET http://www.cisco.com/images*
987816643.783 133 10.1.1.5 TCP_MISS/0 269 GET http://www.cisco.com/images/*
987816643.799 299 10.1.1.5 TCP_MISS/0 18036 GET http://www.cisco.com/ - DI*
987816643.816 166 10.1.1.5 TCP_MISS/0 4508 GET http://www.cisco.com/images*
987816643.866 83 10.1.1.5 TCP_MISS/0 308 GET http://www.cisco.com/images/h*
987816643.916 116 10.1.1.5 TCP_MISS/0 269 GET http://www.cisco.com/images/*
987816643.933 99 10.1.1.5 TCP_MISS/0 1039 GET http://www.cisco.com/images/*
987816644.16 149 10.1.1.5 TCP_MISS/0 1060 GET http://www.cisco.com/images/*
987816644.49 133 10.1.1.5 TCP_MISS/0 868 GET http://www.cisco.com/images/h*
987816644.66 133 10.1.1.5 TCP_MISS/0 1130 GET http://www.cisco.com/images/*
987816644.99 299 10.1.1.5 TCP_MISS/0 13945 GET http://www.cisco.com/images*
987816644.116 83 10.1.1.5 TCP_MISS/0 1886 GET http://www.cisco.com/images/*
987816644.149 83 10.1.1.5 TCP_MISS/0 729 GET http://www.cisco.com/images/h*
```

Tip: Most times, the working.log file will become very large. It is not possible to view the file on screen. To do this, FTP into the Cache Engine and copy the file into a local machine to view it.

To obtain an understanding of TCP_MISS, refer to Understanding Cache Engine Transaction Log Analysis.

To disable transaction logging, issue these commands:

```
ce-5#conf t
Enter configuration commands, one per line. End with CNTL/Z
ce-5(config)#no transaction-logs enable
Stopping transaction log processes:
Stopped transaction log daemon
ce-5(config)#
```

To check the status of transaction logging, issue this command:

```
ce-5#sh transaction-logging
Transaction Logs:
  Logging is disabled.
  End user identity is visible.
  File markers are disabled
  Archive interval: every-day at 00:00

Maximum Number of Archived Files:  3
Exporting files to servers is disabled.
Export interval: every-day every 1 hour

Working Log file - size: 3887
                   age: Unavailable
  No Archive Log file found
ce-5#
```

Related Information

- [Cache Engine Documentation](#)
- [Cache Engine 500 Series Hardware Support](#)
- [Cache Engine 2050 Series Engine](#)
- [Content Engine 500 Series Hardware Support](#)
- [Technical Support – Cisco Systems](#)

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