



Monitor • Manage • Control

ContentKeeper Version 120.9 Release Notes

Overview

These release notes apply to ContentKeeper® Enterprise version 120.9 and include all updates and changes since version 120.3 up to version 120.98.

Document Revision F

Date: 2nd February 2004

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Document Author & Designer: Matthew R Richards

ContentKeeper Technologies
218 Northbourne Avenue
Braddon ACT 2612
Australia
PH +61-2-62614950
Fax +61-2-62579801
info@ContentKeeper.com
www.ContentKeeper.com

ContentKeeper Release Notes

2nd February 2004

These release notes apply to ContentKeeper® Enterprise version 120.9 and include all updates and changes since version 120.3 up to version 120.98.

This document contains release notes for several versions of ContentKeeper. As a result the version under which it was introduced and been listed at the start of each feature.

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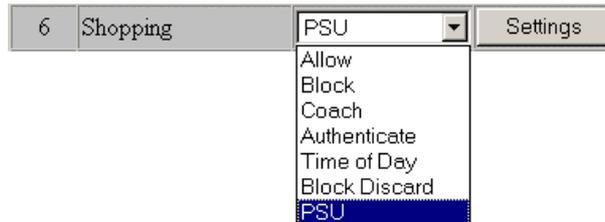
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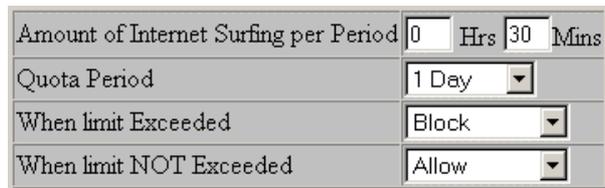
Personal Surfing Units

Version 120.9

A new type of Blocking *State* has been added to ContentKeeper known as *Personal Surfing Units*. Currently PSU is available only for *Categories*.



Personal Surfing Units allow control of access to URLs belonging to any *Category* based on time usage.



In more practical terms, this means that ContentKeeper can be configured to allow an individual or group access to a specified content type or types for a nominated period of browsing activity.

New ContentKeeper Category

Version 120.5

Four new categories have been added to the ContentKeeper URL Database.

Category 27: Advertising

A web site may be classified under the *Advertising* category if its main focus includes providing advertising related information or services.

An Example URL: www.traffimagic.com

Category 28: Drugs/Alcohol

A web site may be classified under the *Drugs/Alcohol* category if its content includes drug and alcohol related information or services. Some URLs categorised under this category may also be categorised under the Health category.

An Example URL: www.online-cocktail-guide.com

Category 29: Computing/IT

A web site may be classified under the *Computing/IT* category if its content includes computing related information or services.

An Example URL: www.redhat.com

Category 30: Swimsuit/Lingerie/Models

Version 120.9

A web site may be categorised under the Swimsuit/Lingerie/Models category if its content includes information pertaining to, or images of swimsuit, lingerie or general fashion models.

Some Example URLs: ralph.ninemsn.com.au
www.victoriassecret.com
sportsillustrated.cnn.com/features/2002/swimsuit

ContentKeeper Log Offloader

Version 120.8

A facility has been added for automating the transfer of log files off the ContentKeeper appliance. This facility is known as the ContentKeeper *Log Offloader*, and supports the transfer of log files via FTP or encrypted via SFTP/SSH.

| | | | |
|---|---|------------------|----------------------|
| Protocol | <input checked="" type="radio"/> FTP <input type="radio"/> SFTP/SSH | | |
| Destination IP | <input type="text"/> | Username | <input type="text"/> |
| Password | <input type="text"/> | Remote Directory | <input type="text"/> |
| (Test these values by clicking Save and Test below.) | | | |

Note: An SSH server for Windows® is available from www.f-secure.com

Transfers of all log file types to an external server may be scheduled through the *Log Offloader*. The *Log Offloader* may also be configured to zip the log files before offloading them and to delete the log files from the ContentKeeper server once they have been offloaded.

| Log Type | Enable Offload | Log Format | Offload Period | Offload Time | Delete after Offload |
|------------------------------------|----------------|------------|----------------|--------------|----------------------|
| Internet Activity | No | CSV | Daily | 01:00 | No |
| Blocked Activity | No | CSV | Daily | 01:00 | No |
| Discarded Blocked Activity | No | CSV | Daily | 01:00 | No |
| Coach Click-Thru Activity | No | CSV | Daily | 01:00 | No |
| Authentication Click-Thru Activity | No | CSV | Daily | 01:00 | No |

The *Log Offloader* facility may be accessed from the *Miscellaneous* menu in the *ContentKeeper Web Interface* and includes an option for testing your settings as well as a transfer status log.

Current Username Activity

Version 120.9

New to version 120.9 of ContentKeeper, the *Current Username Activity* facility allows the Internet usage of any given user to be viewed for up to the last 24 hours. The *Current Username Activity* facility also allows the review of all attempted access to a specified URL for up to the last 24 hours. URLs may be entered completely or as a partial URL, e.g. *bat.com* would also match *www.wombat.com*.

Username/Site Report

Please Select how far back in time you wish to generate your report.

Generate Report for last

Then either

| | |
|--------------------------------|----------------------|
| Enter a Username or IP Address | <input type="text"/> |
| or | |
| Enter a URL | <input type="text"/> |

The *Current Username Activity* facility may be accessed from the *Current Status* menu in the *ContentKeeper Web Interface*. The following is an example report generated for a user.

Username/Site Report

Username : **daniel**

Report Duration : 12 Hours

Time generated : 23-Jan-2004,1:00 p.m.

Please Wait.... Generating Report Summary.....

| Log Event | Number of Events |
|---|---------------------|
| Internet Activity | 767 |
| Blocked Activity | 8 |
| Discarded Blocked Activity | 0 |
| Coach Click-Thru Activity | 5 |
| Authenticate Click-Thru Activity | 0 |

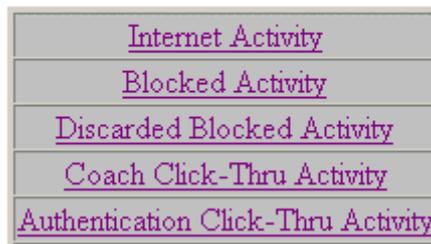
Use the hyperlinks presented in the Number of Events column to access log details.

Dynamic Activity Viewer

Version 120.9

A new report interface has been added to ContentKeeper called the *Dynamic Activity Viewer*. The *Dynamic Activity Viewer* allows real-time activity to be viewed for any of the five ContentKeeper report types.

Dynamic Activity Viewer



The *Dynamic Activity Viewer* may be accessed from the *Current Status* menu in the *ContentKeeper Web Interface*. The following is an example of the *Internet Activity* report from the *Dynamic Activity Viewer*.

Live Current Internet Activity for the : 26-Jan-2004

| Time | IP-Address | Username | URL |
|----------|--------------|----------|--|
| 14:36:59 | 192.9.200.80 | matthew | www.xstop.com/images/navbar/navbarspacer.gif |
| 14:36:59 | 192.9.200.80 | matthew | www.xstop.com/images/1dotb.gif |
| 14:36:59 | 192.9.200.80 | matthew | www.xstop.com/flash/erhome.swf |
| 14:36:59 | 192.9.200.80 | matthew | www.xstop.com/flash/r3000home.swf |

The following is an example of the *Blocked Activity* report from the *Dynamic Activity Viewer*.

Live Current Blocking Activity for the : 26-Jan-2004

| Time | Category | IP-Address | Username | URL |
|----------|------------------|--------------|----------|----------------------------------|
| 14:40:12 | Government Block | 192.9.200.80 | matthew | www.rotten.com |
| 14:40:31 | Government Block | 192.9.200.80 | matthew | www.rotten.com/fotm |
| 14:40:47 | Adult Content | 192.9.200.80 | matthew | www.elephantlist.com |
| 14:40:47 | Adult Content | 192.9.200.80 | matthew | www.elephantlist.com/favicon.ico |

Username Resolution

ContentKeeper includes a number of new features and enhancements for username resolution, each of which is detailed below.

Automatic Proxy Header Username Resolution

Version 120.5

As of version 120.5 ContentKeeper includes an option for automatic detection of proxy header authentication schemes. When enabled, ContentKeeper will automatically detect the type of proxy header authentication scheme being

used before performing username resolution. This option may be used in environments employing multiple proxy header authentication schemes.

Username Resolution

None IP Address Proxy Header

Usernames from IP Addresses

Method for Username Resolution: NetBIOS lookup
View Current Resolved IP Addresses

Usernames from Proxy Authentication Schemes

Proxy Header Type: Automatic
View all Authenticated Users | Basic Authentication Scheme | Authenticated Users
NTLM Authentication Scheme
Digest Authentication Scheme
Automatic

Digest Authentication

Version 120.5

As of version 120.5 ContentKeeper supports username resolution from the Digest proxy header authentication scheme. Digest authentication has an advantage over some other authentication schemes in that passwords are only passed in encrypted, non-reversible form during authentication. This option is available in the *Username Resolution* menu along with the existing proxy header authentication scheme options.

Authenticated User Count

Version 120.5

Proxy Header based username resolution has been enhanced to include an additional option for all Authentication Schemes that can display a count of all currently authenticated users. This option is accessible via the *Count all Authenticated Users* button in the *Username Resolution* menu.

Usernames from Proxy Authentication Schemes

Proxy Header Type: Automatic
View all Authenticated Users | Count all Authenticated Users



eDirectory Username Resolution

Version 120.8

ContentKeeper now supports IP Address based username resolution from Novell eDirectory. When this option is configured ContentKeeper will resolve usernames from Novell eDirectory for reporting and policy matching. This option is available in the *Username Resolution* menu along with the existing

IP Address based options. eDirectory server settings may be configured and tested from the *Advanced Username Resolution* menu.

IDENT Username Resolution

Version 120.7

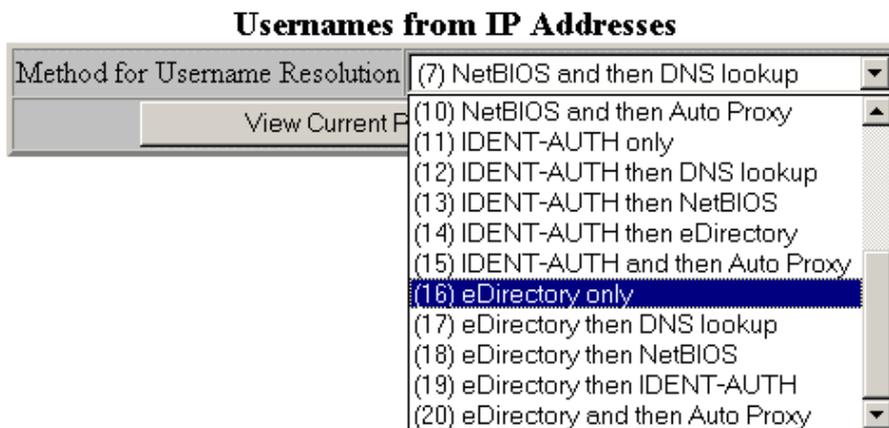
ContentKeeper now supports IP Address based username resolution via the IDENT service. When this option is configured, ContentKeeper will resolve usernames for reporting and policy matching by querying an IDENT server on user workstations. The IDENT option along with an IDENT testing facility is available in the *Username Resolution* menu along with the existing IP Address based options.

Note: Many IDENT servers have been written for Microsoft Windows that may be downloaded for free from the Internet.

Expanded IP Address based Username Resolution Methods

Version 120.7

ContentKeeper IP address based username resolution methods have been expanded to allow combining of any two existing IP address based methods or the combining of any IP address based method with the *Automatic* proxy header based method.



General Enhancements

A number of general enhancements have been made to ContentKeeper Username Resolution. These include better handling of non-RFC compliant Authentication mechanisms and enhanced username to policy association.

Site/Domain Authentication

Version 120.5

ContentKeeper supports three main blocking methods: - *Block*, *Coach* and *Authenticate*. The *Authenticate* blocking method is configurable via the *Site/Domain Authentication* option of the *Authentication* menu.

As of version 120.5 ContentKeeper supports LDAP Authentication as an additional *Site/Domain Authentication* method for *Authenticate* Blockpages. This means that it is now possible to vector blockpage authentication requests to either your local LDAP server or to the ContentKeeper *Local Users* database.

Site/Domain Authentication

Note: This option requires Cookies to be enabled on the browser that generates the Authentication Block Page.

| | |
|-----------------------|-----------------|
| Authenticate Against | LDAP Server |
| Authentication Period | Browser Session |

LDAP authentication may also be configured for customised *Authenticate* blockpages. Refer to the section on *Blockpage Customisation* in this document for more information.

Management Port Proxy Settings

Version 120.5

In the past if your network employed a proxy server that required authentication, the ContentKeeper *Management Port* could not connect to the DataCenter (for it's hourly updates) via this proxy server. An explicit proxy bypass entry was required to allow ContentKeeper traffic through. The ContentKeeper *Management Port* is now capable of negotiating authentication with authenticating proxy servers. The Basic Authentication Scheme for HTTP is used.

Tick this Check Box if your using an Authentication Proxy Server

| | |
|----------|-----------------|
| Username | MyProxyUsername |
| Password | ***** |

In the *Management Port Proxy Settings* menu you may specify a username and password for ContentKeeper to use when authenticating to a proxy server to retrieve hourly Database updates from the ContentKeeper DataCenter.

New ContentKeeper Agent Software

Version 120.8

Version 3.1 of the ContentKeeper Agent has been released. The new version of the agent contains the following:

- Enhanced support for Microsoft Active Directory configurations that include nested groups.
- An option for configuring agent enumeration frequency.
- Enhanced Microsoft Windows memory management.
- [Web Interface] An option to remove all entries from the Agent Registration table.



LDAP and Novell eDirectory Support

Version 120.5

As of version 120.5 ContentKeeper fully supports LDAP and Novell eDirectory (NDS) user and group integration into policies. It is possible to specify either *LDAP* or *eDirectory (NDS)* as a directory service within policy configuration.

(3) Select Your Directory Services



You may associate users and groups directly from your LDAP server with custom policies. Configuration of *LDAP* and *eDirectory (NDS)* is via the *LDAP/eDirectory Groups* option in the *Authentication* menu of the *ContentKeeper Web Interface*.

LDAP/eDirectory Users and Groups Setup

| | |
|---|---|
| Server IP Address(es) (Use semi-colon ';' as separator) | <input type="text" value="www.openldap.com"/> |
| Port Number(s) (Use ' ' as separator) | <input type="text" value="389"/> (Default Port is 389) |
| Bind DN (e.g cn=admin,o=MyContainer) | <input type="text" value="cn=Admin,o=CK"/> |
| Bind Password | <input type="password" value="password"/> <input checked="" type="checkbox"/> Anonymous Bind |
| Search DN (e.g o=MyContainer) | <input type="text" value="dc=OpenLDAP,dc=org"/> |
| Filter (e.g (cn=*), (uid=*), etc) | <input type="text" value="(cn=*)"/> |
| Attribute (e.g groupMembership, ou, etc) | <input type="text" value="ou"/> |
| Automatic Enumeration | <input type="text" value="Never"/> (Takes effect once ContentKeeper Restarts.) |

Webalizer Reports

Version 120.7

A few changes have been made to *Webalizer Reports*, which is now located under the *Miscellaneous* menu in the *ContentKeeper Web Interface*.

The *Regenerate Usage Statistics Report* option has also been removed.

ContentKeeper Webalizer Reports

| |
|---|
| Report Selection |
| View Usage Statistics Report |
| Report Generation Log Files |
| Last Regeneration Log Results |
| Last Daily Update Log Results |

ContentKeeper Backups

Installation

Version 120.4

During a new ContentKeeper installation or upon upgrade to version 120.4 or later, a factory default *Menu Settings Backup* is performed. In the case of an upgrade, the current configuration is backed up instead of the factory default settings. This backup may not be removed and is always available to return the ContentKeeper Appliance to factory settings.

Backup Restoration

Version 120.4

The backup restoration mechanisms have been enhanced to include a number of additional backup file integrity tests.

Additional Components

Version 120.4

ContentKeeper backups now include NT Agent data, LDAP and URL reclassification history.

Removal of Full Backups

Version 120.8

The *Full Backup* option has been removed from the *ContentKeeper Backups* menu. ContentKeeper log files may now be backed up via use of the *ContentKeeper Log Offloader*.

ContentKeeper Backups

Enter your backup description here

and then click 'Create Backup'.

Create Backup

List of Current Created Backups

| Date of Backup | Backup Type | Bytes | Description | Version | Restore | Download | Remove |
|--------------------------|-------------|--------|-------------------------------|---------|-------------------------|--------------------------|--------|
| Fri Oct 24 09:19:28 2003 | Menu | 528021 | Default-Setup-At-Installation | 1207 | Restore | Download | |

Stop ContentKeeper Menu

Version 120.8

The *Stop ContentKeeper* menu item has been removed from the *ContentKeeper Web Interface*. This function served no purpose.

Live Blocking

Some changes have been made to the way in which ContentKeeper performs *Live Blocking*. There are two main areas affected by these changes, which are *ContentKeeper Live Blocking* and the *ContentKeeper URL Database*.

Live Blocking

Version 120.8

ContentKeeper will now only perform *Live Blocking* once the local URL database reaches 100%. In addition to this ContentKeeper will no longer live block a URL that is already in the URL database.

Live Blocking aggressiveness Control

Version 120.9

Another new feature of *ContentKeeper Live Blocking* is the ability to control the aggressiveness of *Live Blocking*.



The aggressiveness of *Live Blocking* may be set via the Live Filtering Aggressiveness table, which may be found by browsing to *General Parameters* in the *General Settings* menu then clicking the *Category Settings* button.

ContentKeeper Policy Logic

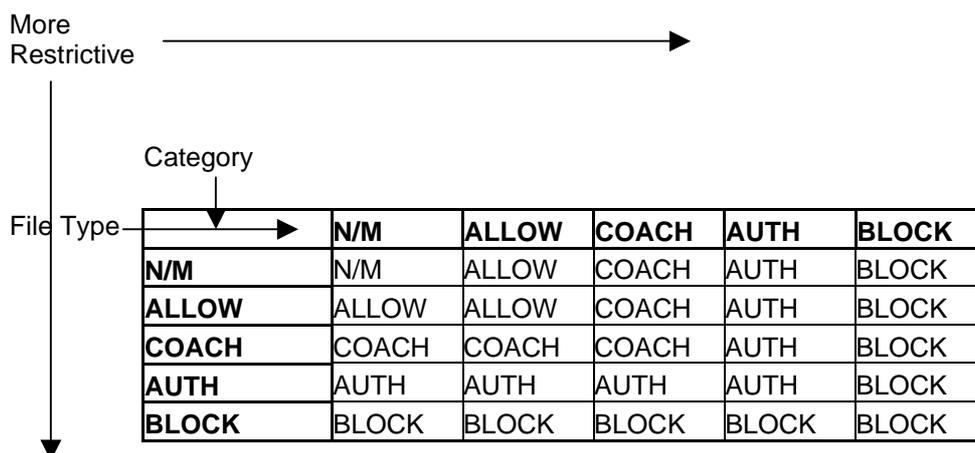
Two major changes have been made to the logic used by ContentKeeper when processing URL requests.

Category and File Type matching

Version 120.8

The policy logic used when performing *Category* and *File Type* matching has been changed so that a requested URL that may be matched to a *Category* setting and a *File Type* setting will be processed according to the most restrictive of the two settings.

This differs from the previously employed policy logic under which a requested URL that may be matched to a *Category* setting and a *File Type* setting would be filtered based on the *Category* setting.



N/M – **No Match** and keep looking through remainder of Policies.
Becomes ALLOW if remains N/M at very end.

Special Categories

Version 120.9

URLs categorised under one of the *Government Blocking List*, *News*, *Education*, *Search Sites* or *Business Oriented* categories will be filtered according to the settings of that category, regardless of whether it is also categorized under another category.

When a URL belongs to more than one of the categories mentioned above then the order of priority of those categories is (1) Government Blocking List, (2) News, (3) Search Sites, (4) Business Oriented and (5) Educational.

For Example: If a URL is categorised under the *Government Blocking List* category as well as the *Entertainment* category and the *Government Blocking*

List category is set to *Block* then the URL will be blocked regardless of what state the *Entertainment* category is set to.

Filtering of URLs With Arguments

Version 120.5

As of version 120.5 ContentKeeper supports the filtering of URLs containing arguments. This feature is configurable only via the *Custom URLs* menu on a per policy basis. ContentKeeper supports the use of up to two argument wild cards per URL, which allows for matching of any argument type or configuration.

| Custom URL Entered | Examples of Captured URLs |
|--|---|
| www.something.com? myarg | www.something.com?myarg precisely. But not <i>www.something.com?xxmyargxx</i> |
| www.something.com? #myarg# | www.something.com?xxmyargxx , www.something.com/anything? xxmyargxx&otherargs Any URL that begins in www.something.com and has the embedded string myarg in the argument part of URL. |
| images.google.*/images? #safe=active# | images.google.com.au/images?hl=en&lr=&ie=ISO-8859- 1&safe=active&output=search&q=sex+porn+xxx&btnG=Google+Search Or images.google.anything/images?anythingsafe=activeanything/etc.. where anything can be anything. |

Blocking of Java Script

Version 120.8

Enhancements have been made to the way in which ContentKeeper identifies and filters web pages containing JavaScript, particularly in association with the *Malicious Category*.

Blockpage Customisation

ContentKeeper *Blockpage Customisation* has been enhanced to include two new features, a username variable and support for customised *Authenticate* blockpages.

Username Variable

Version 120.3

A new variable, *ACC*, has been added to ContentKeeper *Custom* blockpages that allows the user currently authenticated (via one of the username resolution methods) to be displayed on a *Custom* blockpage. This is a default

function of normal ContentKeeper Block Pages but until version 120.3 has been unavailable in Custom Block Pages.

Customised Authenticate Blockpages

Version 120.5

Now it is possible to customise all three ContentKeeper blockpages: - *Block*, *Coach* and *Authenticate*. Configuration is via the ContentKeeper *Blockpage Customisation* option in the *General Settings* menu of the *Web Interface*.

The newest addition, *Authenticate* blockpages, also supports authentication to your local LDAP server as well as the *ContentKeeper Local Users* database. Configuration of LDAP authentication is via the *Site/Domain Authentication* option of the *Authentication* menu. Refer to the *Site/Domain Authentication* section in this document for more information.

Block Discard Category State

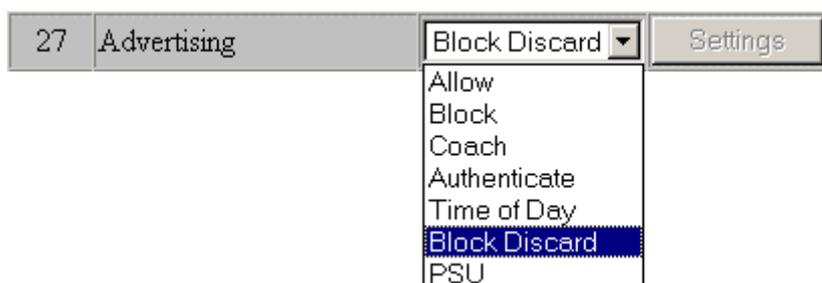
Version 120.3

Block Discard is a blocking *State* that was introduced in version 120.3 that may be applied to *Categories* or *Custom URLs* within a policy.



This feature has been incorporated to enhance *ContentKeeper Blocking Activity* reports. The *Block Discard* blocking *State* allows an administrator to specify that any URL that is blocked frequently and generates multiple entries in the *ContentKeeper Blocking Activity* reports be discarded rather than logged. This prevents the *Blocking Activity* report logs from becoming too large due to multiples of the same entry.

Note: While Block Discard was available for *Custom URLs* in version 120.3, it only became available for *Categories* in version 120.9.



Categories or *Custom URLs* that are set to *Block Discard* are blocked in the normal fashion but do not appear in the *Blocking Activity* report logs. Instead the logging of these discarded URLs takes place in a new ContentKeeper log titled the *Block Discard report log*. The *Block Discard report log* is accessible with the other report logs from the *View/Download Log Files* menu of the *ContentKeeper Web Interface*.

To maintain consistency, URLs that have been blocked by the 'Block Discard' blocking method are reported in the ContentKeeper® Policy Report facility. To maintain accuracy, URLs that have been blocked by the 'Block Discard' blocking method are reported in the ContentKeeper® Policy Verification Facility.

Note: A report log column definition table was added to the *Blocked Discarded Activity Log Files* menu in version 120.9.

**Discarded Block Activity
Report Log Column Definition**

| Column | Name | Description |
|--------|---------------------|---|
| 1 | Time | Time record was logged. Value is seconds since epoch (1st Jan 1970). |
| 2 | Category Index | 1 to 32 are Standard Categories. Other values imply blocked by administrator. |
| 3 | Block Mode | 2-Block, 3-Coach, 4-Authenticate. |
| 4 | Url | URL that was blocked. |
| 5 | IP Address | IP Address of workstation that block ocured on. |
| 6 | Resolved IP Address | This could be 'null', 'DNS name Lookup', 'BIOS name Lookup' or 'UserName' |
| 7 | Policy | Policy and Directory Service Details |
| 8 | Method | 1=Live Blocked, 2=Control List Blocked, 3=Custom or File Type Blocked |

Real-Time Policy Verification

Version 120.3

The *ContentKeeper Policy Verification* facility now incorporates *Real-time* verification. *Real-time* policy verification allows an administrator to verify a Policy or URL in real-time against all currently enabled policies, reflecting how the policy would behave or URL would be filtered during actual filtering through the ContentKeeper Bridge.

ContentKeeper Policy Verify Utility

Policy Verifier Input

| | |
|--------------------------------------|----------------------|
| Enter a URL (eg) www.myurl.com | <input type="text"/> |
| and/or enter | |
| Request IP Address (eg) 192.9.200.34 | <input type="text"/> |
| and/or enter | |
| Request Username (eg) | <input type="text"/> |

Realtme Verification

Verify Input on All Policies

Verify Input on Policy "default"

Real-time policy verification has been added to the existing methods of *Verifying input on all policies*, which verifies a URL or policy as though all existing policies were enabled; and *Verifying input on a specified policy*, which verifies a URL or policy as though only the specified policy were enabled.

Block URLs Cached by Google.com

Version 120.5

ContentKeeper will now block URLs that have been cached by Google.com. These URLs are accessible via the *cached* link on the Google search results page. This means that clicking on the *Cached* hyperlink link, as seen below, for a blocked category (E.g. Adult Content) will now result in a blockpage.

[Welcome to Playboy.com](#)

Playboy Enterprises is a brand-driven, international multimedia entertainment company with more than 720 employees in office locations in Chicago, New York ...

Category: [Mature Content](#)

[www.playboy.com/](#) - 30k **Cached** - [Similar pages](#) - [Stock quotes: PLA](#)

Block/Unblock URLs in Control List

Version 120.3

The *Block/Unblock URLs in Control List* menu replaces two separate menus' in ContentKeeper® versions prior to 120.3. This new URL classification/reclassification facility accepts input of multiple URLs in various formats.

Block/Unblock URLs in Control List

URL's added here will be **Reclassified** on your local ContentKeeper Machine immediately and then subsequently distributed for **Blocking/Unblocking** to all other ContentKeeper Clients Worldwide.
(Subject to Vetting by ContentKeeper Technologies.)

If you want to **Block/Unblock** URLs privately (On your Local ContentKeeper Machine Only) please use the Policy based [Custom URLs](#) Option.



```
www.slowtwitch.com
www.playboy.com
www.e7.com
www.slp3d.com
www.chainson.org
www.games.com
```

Enter sites above (as you would enter them in your browser), one per line.

After clicking '**Process Above Sites**' you will be given the opportunity to classify your sites.

Click '**Cancel**' to clear the edit area box.

Click '**History**' to paste all your previously classified sites in the edit area box.

The URLs are then processed and displayed in a table along with the category under which they are currently classified; previously unknown URLs are given the specification of *Unclassified*.

Block/Unblock URLs in Control List

| # | Site | Current Classification | Your Suggestion |
|---|--|------------------------|---------------------------|
| 1 | www.chanson.org | Unclassified | <input type="text"/> |
| 2 | www.e7.com | Unclassified | Add in - Music Downloads |
| 3 | www.games.com | Game Sites | Add in - Entertainment |
| 4 | www.playboy.com | Adult Content | <input type="text"/> |
| 5 | www.playboy.com | Shopping | <input type="text"/> |
| 6 | www.playboy.com | Entertainment | <input type="text"/> |
| 7 | www.slowtwitch.com | Sports | Change to - Entertainment |
| 8 | www.slp3d.com | Unclassified | Change to - News |

Note: If the suggestion field is left blank or selection matches current Classification no Classification or Reclassification will take place.

Selecting a Suggestion here will set all your above Suggestions to this selection.

Click '**Submit Above Sites**' to display a summary of your reclassifications.

Click '**Remove Classified**' to display only those that are unclassified.

Click '**Cancel**' to return to add, remove or change sites you wish to reclassify.

Once the URLs have been processed, the administrator is given the opportunity to add each URL to a new category or move a URL from its current category to a new one. As before, when the URLs have been categorised and submitted, they will enter into the ContentKeeper® Closed Loop Collaborative Filtering™ process and be distributed to all ContentKeeper clients globally, as well as being put into effect on the local ContentKeeper Appliance immediately.

Remove Classified

Version 120.5

The *Remove Classified* option has been added to the ContentKeeper *Block/Unblock URLs in Control List* menu to simplify processing of unclassified URLs. This option takes the form of a button at the bottom of the *Block/Unblock URLs in Control List* menu.

When used, the *Remove Classified* option will remove all classified URLs from the current list of URLs being displayed. You are now left with only unclassified URLs and do not have to 'pick your way through the list'.

ContentKeeper Report Logs

Version 120.5

ContentKeeper version 120.5 includes two new report logs. Both are accessible along with the existing report logs from the *View/Download Log Files* menu of the ContentKeeper Web Interface. The new report logs are available for download in the three standard formats, *raw*, *CSV* and *Apache*.

View Report Logs

| | |
|-------------------------------|--|
| View/Download report logs for | Internet Activity |
| View/Download report logs for | Blocked Activity |
| View/Download report logs for | Discarded Blocked Activity |
| View/Download report logs for | Coach Click-Thru Activity |
| View/Download report logs for | Authentication Click-Thru Activity |

Discarded Blocked Activity

Categories and *Custom URLs* that are set to *Block Discard* are blocked in the normal fashion but do not appear in the *Blocking Activity* report logs. Instead the logging of these discarded URLs takes place in a new ContentKeeper report log titled the *Block Discard Activity* report log. This log is of the same format as the *Blocked Activity* report log.

Coach Click-Thru Activity

To distinguish between report types, the *Click-Thru* report log for the *Coaching* block method has been renamed to *Coach Click-Thru Activity*.

Authentication Click-Thru Activity

The *Authentication Click-Thru Activity* report log is similar to the *Coach Click-Thru Activity* in that it contains information about users who have been presented with an *Authenticate* blockpage and have proceeded beyond that blockpage. It is important to note that the username recorded in the *Authentication Click-Thru Activity* report belongs to the user who authenticated via the ContentKeeper *Authenticate* blockpage, not necessarily that of the user who was presented with the *Authenticate* blockpage. Although, these two entries are usually the same.

System Health Table

Version 120.5

A snapshot of the ContentKeeper systems health, similar to the *Console* and the *Status Information* screens, is available in table form. Unlike the Web Interface, access to the *System Health Table* does not require authentication. The *System Health Table* may be accessed by browsing to the following URL:

<http://<Management Port IP>/cgi-bin/health/health.cgi>

Information is presented in the format *variablename=value*. The *System Health Table* contains the following variables:

- TIME
- VERSION
- BUILD-DATE
- HOSTNAME
- IP-ADDRESS
- WATCHDOG
- WATCHDOG_MODE
- WATCHDOG_INTERNET
- WATCHDOG_LAN
- WATCHDOG_BRIDGE1
- WATCHDOG_BRIDGE2
- REGISTRATION
- RX1-BYTES
- RX2-BYTES
- RX1-PACKETS
- RX2-PACKETS
- BRIDGE-STATUS
- INSTALLED-RAM
- INSTALLED-SWAP
- USED-RAM
- USED-SWAP
- CPU-LOAD
- DB_STATUS
- APPLIANCE-UPTIME
- CONTENTKEEPER-UPTIME
- LICENSE-TYPE
- LICENSE-LEFT
- LAST-CONTACT
- NEXT-CONTACT

Web Interface Header

Version 120.3

The ContentKeeper *Web Interface* header has been redesigned and now additionally includes the ContentKeeper server's hostname and Registration ID.



General Enhancements and Changes

The following general enhancements and changes have been made to ContentKeeper between versions 120.3 and 120.95.

- Enhanced handling of non-standard or malformed URL requests.
- ContentKeeper support for WCCP-GRE encapsulated HTTP traffic has been enhanced to include full support for WCCP-GRE version 2, with automatic version detection.
- The ContentKeeper Policy Verification Facility is now accessible via the *Blocking Criteria* menu on the web interface.
- ContentKeeper's ability to filter embedded, non-standard characters, and non-standard URL formats has been enhanced.

Bridge Device Settings

Version 120.9

The ContentKeeper *Bridge Device Settings* menu has been enhanced to include support for Intel Gigabit NICs. Additionally, the *Bridge Device Settings* menu has been redesigned to allow setting of Ethernet port speed and duplex for the *Management Port* and the *Bridge Ports* separately.

| Management Port Settings for Port: eth0 and Driver: e100 | |
|---|---|
| Settings for eth0 : Supported ports: [TP MII] Supported link modes: 10baseT/Half 10baseT/Full 100baseT/Half 100baseT/Full Supports auto-negotiation: Yes Advertised link modes: 10baseT/Half 10baseT/Full 100baseT/Half 100baseT/Full Advertised auto-negotiation: Yes Speed: 10Mb/s Duplex: Half Port: Twisted Pair PHYAD: 1 Transceiver: internal Auto-negotiation: on Supports Wake-on: puag Wake-on: g Link detected: yes | |
| <input type="button" value="Select New Management Port Settings"/> | |
| Bridge Port Settings for Ports: eth1,eth2 and Drivers: e1000,e1000 | |
| Settings for eth1 : Supported ports: [TP] Supported link modes: 10baseT/Half 10baseT/Full 100baseT/Half 100baseT/Full 1000baseT/Full Supports auto-negotiation: Yes Advertised link modes: 10baseT/Half 10baseT/Full 100baseT/Half 100baseT/Full 1000baseT/Full Advertised auto-negotiation: Yes Speed: 1000Mb/s Duplex: Full Port: Twisted Pair PHYAD: 0 Transceiver: internal Auto-negotiation: on Supports Wake-on: pumbg Wake-on: d Link detected: yes | Settings for eth2 : Supported ports: [TP] Supported link modes: 10baseT/Half 10baseT/Full 100baseT/Half 100baseT/Full 1000baseT/Full Supports auto-negotiation: Yes Advertised link modes: 10baseT/Half 10baseT/Full 100baseT/Half 100baseT/Full 1000baseT/Full Advertised auto-negotiation: Yes Speed: 1000Mb/s Duplex: Full Port: Twisted Pair PHYAD: 0 Transceiver: internal Auto-negotiation: on Supports Wake-on: pumbg Wake-on: d Link detected: yes |
| Note: Settings for both bridge ports must the same! | |
| <input type="button" value="Select New Bridge Port Settings"/> | |
| <input type="button" value="Select New Bridge Port Settings"/> | |
| Enable Auto-negotiation 1000baseT/Full 100baseTx-FD 100baseTx-HD 10baseT-FD 10baseT-HD | |