



Monitor • Manage • Control

ContentKeeper Web Version 121.28 Release Notes

Overview

These release notes apply to ContentKeeper® Web Enterprise Version 121.28 and include all updates and changes between Version 121.04 and Version 121.28.

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ContentKeeper Release Notes

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These release notes apply to ContentKeeper® Web Enterprise Version 121.28 and include all updates and changes between Version 121.04 and Version 121.28.

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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Administration Password – Important!

Upon upgrading to ContentKeeper Version 121.07 or above for the first time the *Web Interface* user account 'admin' will have its password reset to factory default.

This means that when you log on to the *Web Interface* after the upgrade as the user 'admin' you must specify a password of 'ck2001'.

We recommend that you immediately change the password for the 'admin' account which may be performed in the new *Administration Accounts* facility.

This change will only affect ContentKeeper appliances upgrading to Version 121.07 or above for the first time. It is not standard practice for passwords to be reset during an upgrade, however, the introduction of the new role based *Administration Accounts* facility requires that the admin password be reset.

The *Administration Accounts* facility may be accessed by selecting *Administration Accounts* from the *Administration* menu in the ContentKeeper *Web Interface*. Refer to the [Administration Accounts](#) section in this document for more information about this facility.

Policies and Blocking Rules

This section of the release notes contains all of the enhancements and new features to ContentKeeper Policies and Blocking Rules, and includes all updates between Version 121.04 and Version 121.28.

New ContentKeeper URL Category

Version 121.12

A new *Category* has been added to the *ContentKeeper URL Database*, also the *Unclassified* URL assignment applied to URLs not currently assigned to a *Category* has been amended to *Non-Managed*. *Non-Managed* URLs are URLs that ContentKeeper has not currently categorised as they are most likely not undesirable but may become categorised at some point in the future if appropriate.

Category 31: Spam

A web site may be classified under the *Spam* category if it is found to be contained in bulk or spam emails.

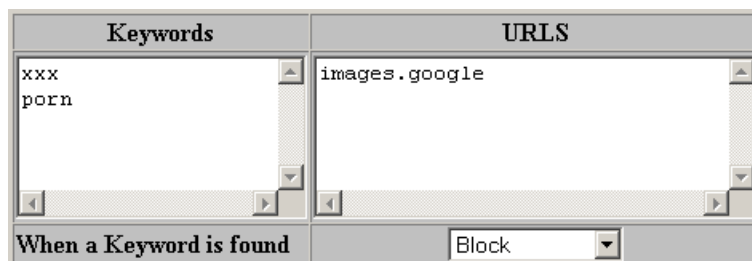
An Example URL: kaqsovdij.gjibhgk.info

URL Argument Keyword Matching

Version 121.07

The new *Policy URL Keywords* facility allows policies to be configured with specific keywords that may result in search engines such as images.google.com or www.google.com returning undesirable, non-business oriented material, in particular thumbnail images.

With previous versions of ContentKeeper, clicking on any of the returned thumbnail images will result in a ContentKeeper BLOCK event taking place and the user will not be able to view the material. However, it is best practice to eliminate the thumbnail material in the first place, before it enters the workplace.



Administrators are able to enter sets of keywords that will be matched against the search terms entered into the search engine dialogue boxes and block when a match is found.

The *Policy URL Keywords* facility also supports pattern matching of URL entries. This means that partial URLs may be specified and ContentKeeper will attempt to match them to actual URL requests, e.g. `images.google` will match to all of the following URLs, `images.google.com`, `images.google.de`, `images.google.co.uk`, etc.

Note: URLs are matched from left to right with an implied wildcard on the end of the URL only, i.e. `google` will not match `images.google.com`, but `images.google` will.

Multiple Keyword Matching

Version 121.28

The ContentKeeper *URL Argument Keyword Matching* facility has been enhanced in Version 121.28 to support matching of multiple keywords. Keywords must be separated by a semi-colon.

Currently a maximum of two keywords may be specified, i.e. one semi-colon only, and a maximum of 10000 keywords in total, while a maximum of 64 URL may be specified. Multiple keywords are subject to the same rules as single keywords, as outlined below and in the menu.

Keywords	URLS
xxx porn;star porn;picture	images.google

When a Keyword is found

Only one discovered Keyword is necessary to trigger a Block, Coach or Authenticate. When a Keyword is embedded amongst different characters, a match occurs if the character on either side of the Keyword is not the characters set (a-z). The Keyword `rape`, (e.g.) will match the string `$rape$`, but NOT `$grapes$`. In the case of multiple keywords, a match occurs if and only if both Keywords are discovered and obey the above rule.

Google Image Search

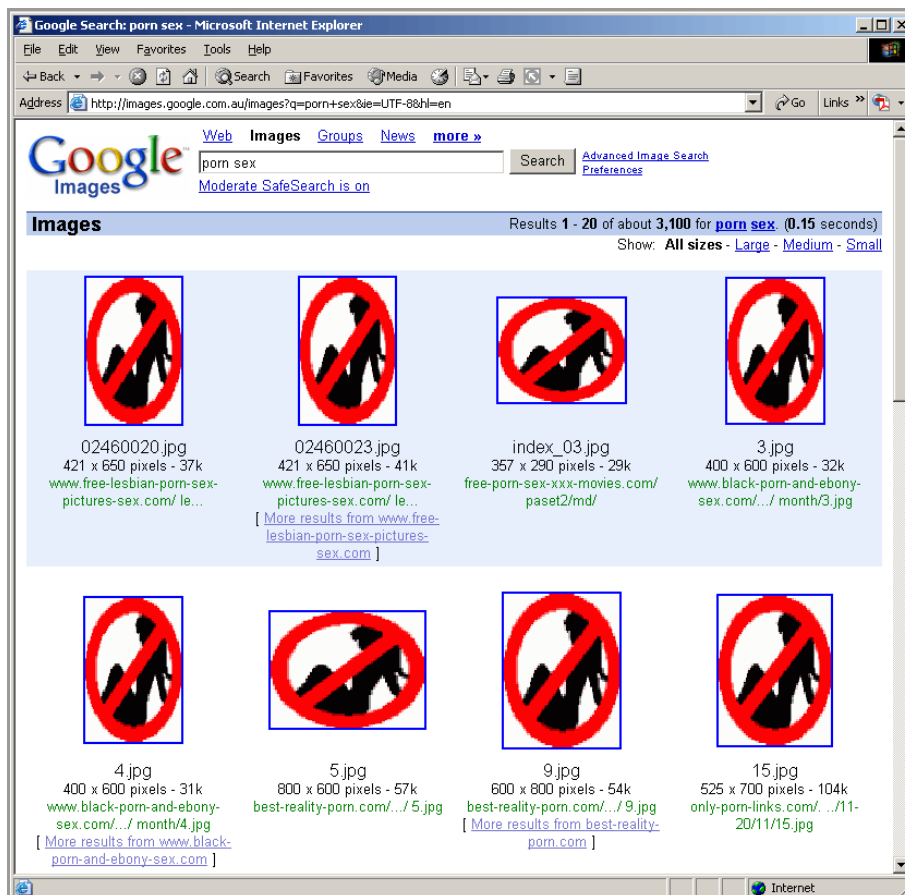
Version 121.28

The way in which ContentKeeper filters Google Image Search results has been enhanced so that any images being displayed that are categorised in the URL Database under categories set to *Block*, *Coach* or *Authenticate* will be replaced by the icons below. This refers to the thumbnail images displayed within Google Image Search results.

Images that are categorise as *Adult Content* within the ContentKeeper *URL Database* will be replaced with this icon.



Images other than those categorise as *Adult Content* within the ContentKeeper *URL Database* will be replaced with this icon.



Protocol Filtering

Version 121.10

The ContentKeeper *Protocol Filtering* facility extends the functionality of ContentKeeper allowing for the filtering of some common Instant Messenger (IM) and Peer to Peer (P2P) networking protocols.

Current supported protocols include:

- MSN Messenger
- AOL Instant Messenger (AIM)
- KAZAA

When the *ContentKeeper Bridge* is located directly between supported IM or P2P clients on your network and the Internet gateway on your network, it is able to monitor and prevent Internet access for those IM or P2P clients.

ContentKeeper *Protocol Filtering* stops supported IM or P2P clients from accessing the Internet by using advanced data pattern matching and port blocking techniques.

The *Protocol Filtering* facility has been made available in ContentKeeper as a *Policy Blocking Rule*, and may be accessed by clicking the *Protocols* button in the *Create & Edit Policies* menu in the *ContentKeeper Web Interface*.



To enable ContentKeeper *Protocol Filtering*, place a check in the *When checked Protocol Filtering is Enabled* check-box at the top of the screen. When only this box is checked, ContentKeeper will report on protocol activity but perform no filtering.

When a check is placed in the check-box to the right of any of the listed IM and P2P protocols, ContentKeeper will report on and block all protocol traffic of the selected type.

ContentKeeper Protocols for Policy : default

When **checked** Protocol Filtering is **Enabled** for Policy : **default**

Protocols	Enabled / Disabled
MSN Messenger	<input checked="" type="checkbox"/>
AOL Instant Messenger (AIM)	<input type="checkbox"/>
KAZAA	<input type="checkbox"/>

Remember to click on **Save and Redisplay** after making changes.

Note: Please ensure the **Chatroom Category** for this Policy is also set to **Block** for more effective Protocol Blocking.

Save and Redisplay
Return to Policies

When *Protocol Filtering* has been enabled for the desired policy, ContentKeeper will report all protocol traffic for the supported protocol types in the *Current Internet Activity* log, as viewed below through the ContentKeeper *Dynamic Activity Viewer*.

Live Current Internet Activity for the : 31-Aug-2004				
Time	Bytes	IP-Address	Username	URL
11:40:46	470	192.9.200.32	null	Protocol-MSN-Messenger/ts-11:40
11:41:07	472	192.9.200.32	null	Protocol-MSN-Messenger/ts-11:41
11:41:27	472	192.9.200.32	null	Protocol-MSN-Messenger/ts-11:41
11:41:48	471	192.9.200.32	null	Protocol-MSN-Messenger/ts-11:41

ContentKeeper will report protocol blocking activity in the Current Blocking Activity report, as viewed below through the ContentKeeper *Dynamic Activity Viewer*.

Live Current Blocking Activity for the : 31-Aug-2004				
Time	Category	IP-Address	Username	URL
12:05:26	Non-Managed	192.9.200.32	null	Protocol-MSN-Messenger/ts-12:05
12:10:51	Non-Managed	192.9.200.32	null	Protocol-MSN-Messenger/ts-12:10
12:10:54	Non-Managed	192.9.200.32	null	Protocol-MSN-Messenger/ts-12:10
12:11:00	Non-Managed	192.9.200.32	null	Protocol-MSN-Messenger/ts-12:11

Policy Expiry

Version 121.07

The new *Policy Expiry* feature allows ContentKeeper policies to be configured with an expiry date. When a policy reaches its expiry date it is automatically disabled, and may be re-enabled or deleted depending on the administrators needs.

Policy Description	accounts department policy		
Select Policy	accounts-policy	Clone	Report
Enable Policy	<input checked="" type="checkbox"/>	Delete	Verify
Policy Expiry	By Date	22	Apr 2004

The *Policy Expiry* feature may be used when a special policy is required for a staff member or a group of staff members for a specific period of time. Educational organisations may find this facility particularly useful for special policies required for a study project or term/semester.

Policy Report

Version 121.07

The ContentKeeper *Policy Report* facility now reflects the new *Policy Expiry* feature with the addition of the *Expiry State* column. The *Expiry State* column contains the *Policy Expiry* settings of the corresponding policy.

No.	Policy Name	Description	Enabled	Expiry State	Directory Service	Report	Verify
1	global	Global Master Policy	Yes	Never	n/a	Report	Verify
2	5-layer-test	5-layer-test	No	Never	NT Security Groups	Report	Verify
3	aaron	aarons home policy	Yes	Never	Local Database	Report	Verify

Policy Logic

Policy Logic for URL Argument Keyword Matching

Version 121.07

With the addition of the *URL Argument Keyword Matching* facility to ContentKeeper in Version 121.07, the policy logic has also been updated. Settings in the *URL Argument Keyword Matching* facility take priority over all other blocking rules. The table below contains the complete revised ContentKeeper policy logic.

Policy Logic for Proxy Header mode Username Resolution

Version 121.27

ContentKeepers *Policy Matching* logic has been changed. When ContentKeeper has been configured to perform *Username Resolution* in *Proxy Header* mode and it sees a Web request that does not contain user credentials it will attempt to match the source IP address of the request to a policy before applying the *Default Policy*.

This is in contrast to the previous *Policy Matching* logic under which the request without user credentials would have immediately had the *Default Policy* applied to it.

This policy matching logic will apply if, for example, you have ContentKeeper filtering Web requests made to a proxy server configured to require Authentication, and you have some hosts excluded from that authentication.

The table below contains the complete revised ContentKeeper policy logic.

ContentKeeper decides how to filter a URL request based on the following priorities (in the order that they are presented here):

(1)Global Priorities	
Priority Order	Directive
1	Requests from excluded IP addresses are not filtered.
2	If the default only check box is enabled then only the default policy is applied.

(2)Policy Matching Priorities	
Priority Order	Directive
1	Any policy containing an IP address and 32-bit subnet mask that match the IP address of the request is applied exclusively.
2	Any policy containing a username that matches the username embedded in the request is applied exclusively.
3	Any policies with groups that contain a username that matches the username embedded in the request are applied collectively.
4	If Username Resolution has been configured to Proxy Header mode the ContentKeeper will attempt to match the source IP Address to a policy, otherwise the Default policy is applied.

(3)Policy Blocking Rule Priorities	
Priority Order	Directive
1	URL Argument Keyword Matching
2	Custom and Trusted URLs
3	Category States
4	Custom File Types

(4)Category Priorities	
Priority Order	Directive
1	Block
2	Authenticate
3	Coach
4	Allow

Verify Policy

Version 121.07

The ContentKeeper *Policy Verification* facility has been enhanced to support the new *Policy URL Keywords* facility. When policies under which the Policy URL Keywords have been configured are verified against URLs containing matching keywords, the *Policy Verifier Output* will contain a *Category* value of *URL Arguments*.

Policy Verifier Results	
access-policy	
Input	
Policy to verify	access-policy
Request URL	images.google.com.au/images?q=porn
Request Username	jamie
Output	
Status/Result	Block
Category	URL Arguments
Policy	Policy=access-policy; Username=jamie
Report Blocked	Yes
Blocking Page	Yes
Policy State	Currently Enabled

Reporting

This section of the release notes contains all of the enhancements and new features to ContentKeeper Reporting, and includes all updates between Version 121.04 and Version 121.28.

Webalizer Reports

Webalizer Menu Location

Version 121.07

The *Webalizer Reports* menu item has been moved to the *Blocking/Reporting* menu in the ContentKeeper *Web Interface*. The new location of the *Webalizer Reports* menu is indicated in the following diagram.

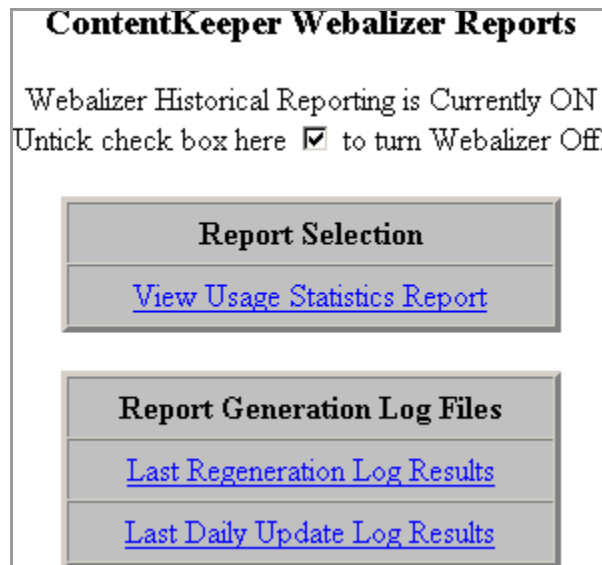
Current Status	Restart	Administration	Miscellaneous
Status Information	Restart ContentKeeper	Administration Accounts	Registration Details
Current Internet Activity	Reboot ContentKeeper Appliance	View/Edit Reclassified URLs	Set/Adjust Date and Time
Current Blocking Activity	Shutdown ContentKeeper Appliance	Block/Unblock URLs in Control List	ContentKeeper Agent
Current Username Activity	ContentKeeper Mail	ContentKeeper Backups	Appliance Configuration Settings
View/Download Report Logs		Audit Trail	Log Offloader
Dynamic Activity Viewer			Category Aliases
Blocking/Reporting	General Settings	Operational Settings	Authentication
Create & Edit Policies	General Parameters	Management Port Proxy Settings	Site/Domain Authentication
Display Policies	Excluded/Included IP Addresses	High Availability Module (H.A.M)	Departmental Report Setup
Verify Policy	Blockpage Customisation	URL Reclassification Settings	LOCAL Groups
Bandwidth Savings Report	Username Resolution	Bridge Device Settings	LDAP/eDirectory Groups
Webalizer Reports	Live Filtering Settings	Master/Slave Setup	
Advanced Reporting Module			



Enable/Disable Webalizer

Version 121.20

A new option has been added to *Webalizer* to allow you to manually enable or disable the *Webalizer* report facility. This option appears in the form of a check-box at the top of the *Webalizer* menu in the ContentKeeper Web Interface.



The new option has been added to maximise performance in environments where the Webalizer facility is not being utilised.

Dynamic Activity Viewer

Version 121.07

The ContentKeeper *Dynamic Activity Viewer* now includes an enhanced *Dynamic Internet Activity Report*. The enhanced *Dynamic Internet Activity Report* contains a new *Bytes* column, in which the size, in bytes, of each corresponding URL is shown.

Live Current Internet Activity for the : 21-Apr-2004				
Time	Bytes	IP-Address	Username	URL
17:56:25	2588	192.9.200.46	duncan	www.elcom.co.uk/logos/microsoft.gif
17:56:25	3212	192.9.200.46	duncan	www.elcom.co.uk/logos/elcom_small.gif
17:57:07	594	192.9.200.46	duncan	www.google.com
17:57:08	1591	192.9.200.46	duncan	www.google.com.au
17:57:28	5587	192.9.200.46	duncan	www.google.com.au/search

Dynamic Activity Viewer Custom Filters

Version 121.27

The *Dynamic Activity Viewer* has been enhanced to allow custom filters to be applied. Custom filters may be based on Usernames, IP Addresses and Categories and are cumulative so a combination of two or more filter types may be applied to make the *Dynamic Activity Viewer* output very specific.

Dynamic Activity Filter Options				
On/Off	Filter Type	Filter Value(s) to be Matched	Select a Filter Value	Load Filter Values
<input type="checkbox"/>	Usernames	matthew		Load Usernames
<input type="checkbox"/>	IP Addresses	192.9.200.230	192.9.200.230	Load IP Addresses
<input type="checkbox"/>	Categories	6	6 - Shopping	Categories

To assist in the correct entry of filter values, Usernames and IP Addresses that have been filtered by ContentKeeper since midnight on the previous day may be chosen from the *Select a Filter Value* drop-down. Clicking the appropriate button in the *Load Filter Values* column will refresh the values available in the *Select a Filter Value* drop-down.

The *Select a Filter Value* drop-down for the *Categories* filter type is permanently populated with all ContentKeeper *Categories*, which are entered into the *Filter Value(s) to be Matched* column with their index number.

Multiple Usernames, IP Addresses and Categories may be specified by separating each value by a semi-colon (;).

Additional pattern matching is performed on Username and IP Address entries in the *Filter Value(s) to be Matched* column allowing partial Usernames and IP addresses to be matched to those being currently filtered by ContentKeeper. IP Address of ContentKeeper Appliance Management Port displayed in Dynamic Activity Viewer output window to distinguish which ContentKeeper Appliance the report is from.

Silent Mode Savings Report

Version 121.07

The new ContentKeeper *Silent Mode Savings Report* provides a convenient method for organisations evaluating ContentKeeper as well as new ContentKeeper clients to estimate savings directly resulting from the use of ContentKeeper in terms of costs associated with both browsing time and data download/upload charges.

Silent Mode Savings Report						
Report Date : 21-Apr-2004, 10:08 A.M.						
Report Summary						
Network Traffic Filtered from 01-Apr-2004 to 21-Apr-2004.						
Visits Allow	Visits Block	MBytes Allow	MBytes Block	Staff Browsing Costs (EU euro)		
				Time	MBytes	Total Cost
25638	1697	1,210.54	34.78	EUR 848.50	EUR 14.79	EUR 863.29
<p>Note 1 : Total Browsing Cost Savings of EUR 863.29 is based on the following assumptions.</p> <p>Cost per Megabyte Downloaded: EUR 0.30 Average Staff Cost per Hour: EUR 60.00 Number of seconds consumed per visited site: 30 Calculated average downloaded bytes per visited site: 21,490</p> <p>Note 2 : Not all Categories were in Silent Mode. (6 Category(s) were not in Silent Mode) Estimate calculations were used for those cases.</p>						
Detail Category Report			Print Summary Report			
Close Window						

The *Silent Mode Savings Report* is based on data gathered by ContentKeeper while operating in *Silent Mode*. Savings calculations are based on the cost of staff browsing time and data download/upload charges, which are configured by the administrator.

Cost Values (Local Currency)	
Cost Per Megabyte	<input type="text" value="0.30"/>
Staff Cost Per Hour	<input type="text" value="60.00"/>
Your Currency Code	<input type="text" value="EU euro"/>

Silent Mode allows ContentKeeper to be installed in a network and monitor all Web traffic while populating its logs with no indication to any network user that it has been installed. This is an extremely powerful tool for profiling current network activity and is used in conjunction with the *Silent Mode Savings Report*.

**Note 2 : Not all Categories were in Silent Mode.
(6 Category(s) were not in Silent Mode)
Estimate calculations were used for those cases**

If ContentKeeper has been set to *Blocking Mode* when the report is generated, there is already a bandwidth and staff-time saving taking place so ContentKeeper enters *Estimate Mode* for categories that have *Blocked* entries present.

Silent Mode Savings Report									
Report Date : 21-Apr-2004, 10:13 A.M.									
Silent Mode Savings Report by Category									
Network Traffic Filtered from 01-Apr-2004 to 21-Apr-2004.									
#	Category	Mode	Visits Allow	Visits Block	MBytes Allow	MBytes Block	Staff Browsing Costs (EU euro)		
							Time	MBytes	Total Cost
0	Unclassified	Silent	5393		245.47				
1	Adult Content	Estimate	784	260	55.49	14.73	130.00	4.42	134.42
2	News	Silent	2958		124.72				
3	Job Search	Silent	85	3	1.33	0.01	1.50	0.00	1.50
4	Gambling	Silent	21	28	0.52	0.50	14.00	0.15	14.15
5	Travel/Tourism	Silent	93	52	7.65	3.34	26.00	1.00	27.00
6	Shopping	Estimate	419	130	20.82	4.05	65.00	1.21	66.21
7	Entertainment	Silent	345	16	19.67	0.75	8.00	0.23	8.23
8	Chatrooms	Estimate	324	12	4.39	0.25	6.00	0.07	6.07
9	Dating Sites	Silent	91	4	4.30		2.00		2.00
10	Game Sites	Silent	124	2	12.99		1.00		1.00

The *Silent Mode Savings Report* may be accessed by selecting *Silent Mode Savings Report* from the *Blocking/Reporting* menu in the *ContentKeeper Web Interface*.

Log File Enhancements

Version 121.07

The *Current Internet Activity Report* has been enhanced to include all Internet activity, i.e. both allowed and blocked URLs. All entries in the *Current Internet Activity Report* are now accompanied by their current categorisation, which may be any one of the *ContentKeeper Categories*, or the phrase *Unclassified* if the URL has not yet been categorised within the *ContentKeeper URL Database*.

Most visited sites by Hits in last 5 Minutes			
(Note : Only top level sites are shown)			
1,	45 -	v4.windowsupdate.microsoft.com , Computing/IT, Allow	
		192.9.200.25,	
		alex,	
2,	32 -	www.hotmail.com , www-Email Sites, Authenticate	
		192.9.200.32,	
		matthew,	
3,	31 -	www.palyboy.com , Adult Content, Block	
		192.9.200.32,	
		matthew,	
4,	19 -	ad.au.doubleclick.net , Advertising, Coach	
		192.9.200.174,	
		peter,	

Additionally, all entries in the *Current Internet Activity Report* are now accompanied by their blocking state, which may be *Allow*, *Coach*, *Authenticate* and *Block*.

These enhancements also apply to the *Current Internet Activity Report* available under the *Current Username Activity* menu.

Version 121.07

Two enhancements have been made to the *View/Download Report Logs* menu. The first enhancement is to the *ContentKeeper Current Internet Activity Report Log*, which now reflects the enhancements to the *Current Internet Activity Report* by replacing the *TCP Port* data in column two with URL categorisation data and replacing the *Live Filter Flag* data in column six with *Block Mode* data.

The second enhancement is to the *Report Log Column Definition* table, which now reflects the enhancements to the *Current Internet Activity Report Log* through changes to the definitions of column2 two and six.

Column	Name	Description
1	Time	Time record was logged. Value is seconds since epoch (1st Jan 1970).
2	Category	-1=Unclassified, 1-32 System Categories, > 32 Custom Categories
3	IP Address	IP Address of workstation that URL was downloaded from.
4	Resolved IP Address	This could be 'null', 'DNS name Lookup', 'BIOS name Lookup' or 'UserName'
5	Bytes	Size in bytes of URL downloaded.
6	Block Mode	1=Allow, 2=Block, 3=Coach, 4=Authentication
7	Content Type	Content Type of URL Downloaded
8	Url	URL Accessed.

- For version 121.26 and above, where *Proxy-Header Username Resolution* has been used, user credentials will be written to log files downloaded in CSV format as *DOMAIN\username* instead of the current standard of *username/domain*.

Version 121.27

ContentKeeper log files have undergone some general enhancements aimed at improving the information available through the ContentKeeper Advanced Reporting Module, including the addition of new columns and new types of data.

Two new columns have been added to the Internet Activity Log and are described below.

- Column 9: Policy Name – This column contains the name of the policy under which the associated Web request (URL) was filtered, and applies to all allowed and blocked requests. Column 9 has been added to the *Internet Activity Log File* and is available in all formats.

```
1097620887, 7, 192.9.200.32, matthew/ckt, 505, 1, image/gif, i.imdb.com/f278.gif, matts-policy
1097620887, 7, 192.9.200.32, matthew/ckt, 773, 1, image/gif, i.imdb.com/f291.gif, matts-policy
1097620887, 7, 192.9.200.32, matthew/ckt, 561, 1, image/gif, i.imdb.com/f280.gif, matts-policy
1097620887, 7, 192.9.200.32, matthew/ckt, 496, 1, image/gif, i.imdb.com/f355.gif, matts-policy
```

- Column 10: Category Description – This column contains a description of the category under which the associated URL has been categorised. The description here is based on the ContentKeeper Category Index in column 2. Column 10 has been added to the *Internet Activity Log File* and is available in CSV format only.

Time	Category	Ip-Address	Username	Bytes	Status	Content-Type	Url	Policy	Category-Description
13-10-2004; 18:32:57	16	192.9.200.174	CKTWilliam	1406	1	text/html	http://www.thredbo.com.au	williams-policy	Sports
13-10-2004; 18:34:25	29	192.9.200.32	CKTbrett	103	1	text/html	http://slash.org	bretts-policy	Computing/IT
13-10-2004; 18:59:38	20	192.9.200.33	CKTAllen	559	1	text/html	http://www.google.com	allens-policy	Search Sites
13-10-2004; 18:59:39	20	192.9.200.33	CKTAllen	3448	1	text/html	http://www.google.com.au	allens-policy	Search Sites
13-10-2004; 19:08:26	29	192.9.200.32	CKTbrett	103	1	text/html	http://slash.org	bretts-policy	Computing/IT

The *Authentication Click-Thru Activity Log File* has been integrated into the *Internet Activity Log File*. This means that all *Click-Thru* activity is now recorded in the *Internet Activity Log File* as well as the *Click-Thru Activity log files*.

Authentication Click-Thru Activity items will appear as normal blocking events except in the case of different user credentials being used to access *Authenticate* Blockpages to those being used in browser or workstation. In this case the username logged for the requested URL will be that which was used to authenticate, which results in that log entry only having a different username associated with the requesting IP address.

Note: For more information on the ContentKeeper Advanced Reporting Module select *Advanced Reporting Module* from the *Blocking/Reporting* menu in the ContentKeeper Web Interface or browse to <http://www.contentkeeper.com/advanced-reporting-module/download.html>.

Domain Integration

This section of the release notes contains all of the enhancements and new features to ContentKeeper network and domain integration facilities, and includes all updates between Version 121.04 and Version 121.28.

LDAP/eDirectory Groups

ContentKeeper includes a number of new features and enhancements for the *LDAP/eDirectory Groups* facility, each of which is detailed below.

Version 121.14

Users enumerated from LDAP/eDirectory who are not members of groups are now automatically added to a special group titled *NoGroup*, which is then made available as a *Group - Directory Object* in the *Create & Edit Policies* menu.

Refer to the image below, taken from the *Create & Edit Policies* menu, for an example of how *NoGroup* can be assigned to a policy.

No.	eDirectory (NDS) Groups	View Users
1	nogroup	View users
2		
3		
4		

Version 121.24

New *LDAP/eDirectory Groups* automatic enumeration options have been added, which allow you to specify that enumeration occurs automatically on the hour between 1 AM and 6 AM daily.

The image below has been taken from the *LDAP/eDirectory Groups* menu in the *ContentKeeper Web Interface*.

Automatic Enumeration	Never	(Takes effect once ContentKeeper Restarts .)
	Never	
	Hourly	
	Daily	
	Weekly	
	1 AM each Day	
	2 AM each Day	
	3 AM each Day	
	4 AM each Day	
	5 AM each Day	
	6 AM each Day	

Version 121.26

ContentKeeper has been enhanced to support long LDAP/eDirectory group names up to 128 characters, and general enhancements have been made to the way in which ContentKeeper performs User/Group caching for *LDAP/eDirectory Groups* facility.

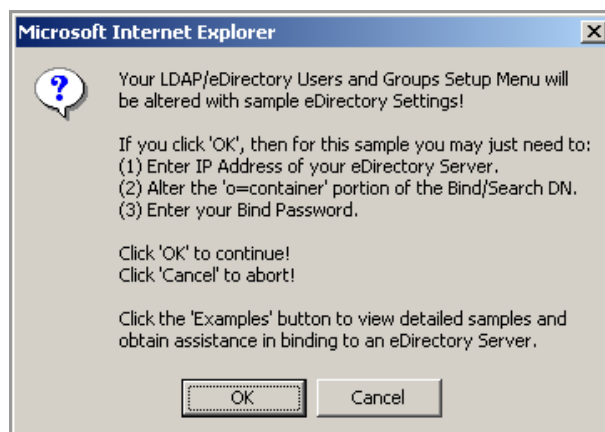
Version 121.27

Enhancements made to the *LDAP/eDirectory Groups* menu include the addition of buttons to set defaults for connection to typical Microsoft Active Directory and Novell eDirectory domains as well as working examples of configuring ContentKeeper for connection to these domains.

Click the *Set Active Directory Sample* button to automatically configure *LDAP/eDirectory Groups* with typical Active Directory connection settings.



Click the *Set eDirectory Sample* button to automatically configure *LDAP/eDirectory Groups* with typical eDirectory connection settings.



Click the *Click Here for Examples* button in the *LDAP/eDirectory Groups* menu then select *Example 1 : Windows Active Directory Example* or *Example 2 : eDirectory Example* to view working examples for connecting ContentKeeper to each directory service.

**LDAP/eDirectory Users and Groups
Examples Page**

Note: To assist in extracting your Users and Groups for your ContentKeeper Policies it may be helpful if you download an LDAP Browser such as [Softerra](#)

[Example 1 : Windows Active Directory Example](#)

[Example 2 : eDirectory Example](#)

Username Resolution

ContentKeeper includes a number of new features and enhancements for *Username Resolution*, each of which is detailed below.

ContentKeeper Agent Username Resolution

Version 121.20

ContentKeeper now includes a new *ContentKeeper Agent* based *Username Resolution* method for *IP Address Mode*. The new ContentKeeper Agent reports when ever a user logs in or out of a Windows NT/2000/2003 domain to ContentKeeper, which then associates logged in users with Web requests originating from the IP address of the workstation to which they are logged in.

ContentKeeper Agent based *Username Resolution* may be enabled by selecting one of the *Windows Agent* options from the *Methods for Username Resolution* drop-down in the *Username Resolution* menu in the *ContentKeeper Web Interface*.

Username Resolution

None IP Address Proxy Header

Usernames from IP Addresses

Method for Username Resolution (25) Windows Agent only ▼

View Current Resolved IP Addresses

ContentKeeper *Username Resolution* must be configured in *IP Address Mode* for the *Methods for Username Resolution* drop-down to be available. To configure *Username Resolution* for *IP Address Mode*, select the *IP Address* radio button at the top of the *Username Resolution* menu.

Important! Your domain controller and the *ContentKeeper Agent* must both be properly configured for *Username Resolution*. Refer to the ContentKeeper Agent section in these release notes for more information about configuring your domain controller and the new *ContentKeeper Agent* for *Username Resolution*.

New IP Address Mode Username Resolution Methods

Version 121.21

ContentKeeper *IP Address Mode Username Resolution* methods have been expanded to allow combining of any two existing *IP Address Mode* methods or the combining of any *IP Address Mode* method with the *Automatic* proxy header based method.

ContentKeeper now features six primary *IP Address Mode Username Resolution* methods including:

- DNS
- NetBIOS
- IDENT
- eDirectory
- Windows Agent
- Auto Proxy

(See image over page.)

With each of the available combinations there are a total of thirty-six *IP Address Mode Username Resolution* methods available.

Username Resolution

None
 IP Address
 Proxy Header

Usernames from IP Addresses

Method for Username Resolution	(1) DNS lookup only
View Current	(1) DNS lookup only
	(2) DNS and then NetBIOS lookup
	(3) DNS and then IDENT-AUTH
	(4) DNS and then eDirectory
	(5) DNS and then Windows Agent
	(6) DNS and then Auto Proxy
	(7) NetBIOS lookup only
	(8) NetBIOS and then DNS lookup
	(9) NetBIOS and then IDENT-AUTH
	(10) NetBIOS and then eDirectory
	(11) NetBIOS and then Windows Agent
	(12) NetBIOS and then Auto Proxy
	(13) IDENT-AUTH only
	(14) IDENT-AUTH then DNS lookup
	(15) IDENT-AUTH then NetBIOS
	(16) IDENT-AUTH then eDirectory
	(17) IDENT-AUTH then Windows Agent
	(18) IDENT-AUTH then Auto Proxy
	(19) eDirectory only
	(20) eDirectory and then DNS lookup
	(21) eDirectory and then NetBIOS
	(22) eDirectory and then IDENT-AUTH
	(23) eDirectory and then Windows Agent
	(24) eDirectory and then Auto Proxy
	(25) Windows Agent only
	(26) Windows Agent and then DNS lookup
	(27) Windows Agent and then NetBIOS
	(28) Windows Agent and then eDirectory
	(29) Windows Agent and then IDENT-AUTH
	(30) Windows Agent and then Auto Proxy
	(31) Auto Proxy only
	(32) Auto Proxy and then DNS lookup
	(33) Auto Proxy and then NetBIOS
	(34) Auto Proxy and then eDirectory
	(35) Auto Proxy and then IDENT-AUTH
	(36) Auto Proxy and then Windows Agent

General Username Resolution Enhancements

A number of general enhancements have been made to ContentKeeper Username Resolution. These include improvements to the way that usernames are resolved and cached by ContentKeeper.

ContentKeeper Agent

Version 121.20

Version 3.4 of the ContentKeeper Agent has been released. The new version of the agent contains the following:

- General Enhancements to support for Microsoft Active Directory and Microsoft Windows memory management.
- New *Username Resolution* feature.



Important! ContentKeeper Technologies strongly recommends that when ever a new *ContentKeeper Agent* is released that you upgrade any existing *ContentKeeper Agent* installations that you may have.

Note: To upgrade a *ContentKeeper Agent*, first open the *Agent Monitor* (usually located at `c:\ck-agent\exe\ck-agent.exe`) and click the *Stop Agent* button followed by the *Unregister Agent* button. Next, delete the `c:\ck-agent` directory and all of its contents. Finally, use the normal procedure to install the new *ContentKeeper Agent* (Refer to the *ContentKeeper Agent* menu in the *Web Interface* for installation instructions).

Using ContentKeeper Agent Username Resolution

To use the new *ContentKeeper Agent Username Resolution* feature you must ensure that each of the following tasks is performed:

1. Ensure that *ContentKeeper Agent* Version 3.4 is installed on your Domain Controller or Member Server and is properly configured.

Note: Refer to the instructions above for more information about upgrading existing *ContentKeeper Agent* Installations, and refer to the *ContentKeeper Enterprise Administration Guide* for more general *ContentKeeper Agent* configuration information.

2. Ensure the *ContentKeeper Agent Username Resolution* settings are properly configured.

Note: See below for more instructions.

3. Ensure that auditing of account logon events has been enabled on your domain controller.

Note: See below for more instructions.

4. Ensure that *ContentKeeper Username Resolution* settings are properly configured.

Note: Refer to the Username Resolution section of these release notes for more information.

Configuring ContentKeeper Agent Username Resolution settings

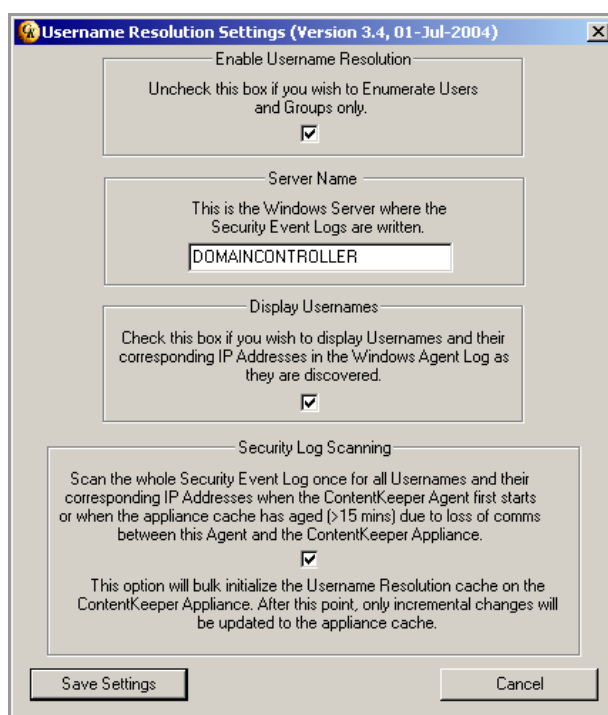
The *ContentKeeper Agent* may be configured to perform user and group enumeration, or username resolution, or both. Simply disable the features that you do not wish to use.

To configure the *ContentKeeper Agent Username Resolution* settings, open the Agent Monitor (usually located at `c:\ck-agent\exe\ck-agent.exe`) and click the *Username Resolution* button to display the *Username Resolution Settings* window.

In the Username Resolution Settings window, configure each of the following four options:

- **Enable Username Resolution** – Place a tick in, or clear this checkbox if you wish to enable or disable *ContentKeeper Agent Username Resolution*.

- **Server Name** – If you are using *ContentKeeper Agent Username Resolution*, enter the hostname of the server to which the *Windows Security Event Logs* are written into the input field.
- **Display Usernames** – Place a tick in, or clear this check-box if you wish to enable or disable writing of username and IP address pairs to the *ContentKeeper Agent* log file.
- **Security Log Scanning** – Place a tick in, or clear this check-box if you wish to enable or disable bulk initialisation of the *Username Resolution Cache* on the ContentKeeper Appliance.

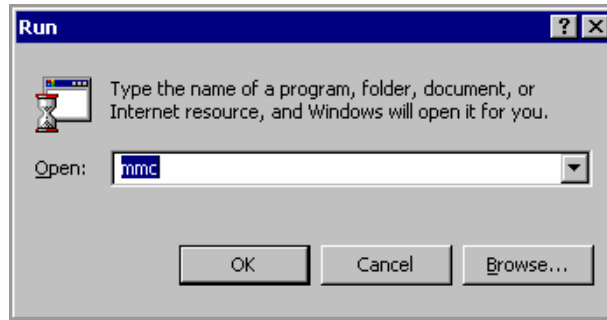


Note: ContentKeeper Technologies recommends enabling of both the Display Usernames option and the Security Log Scanning option.

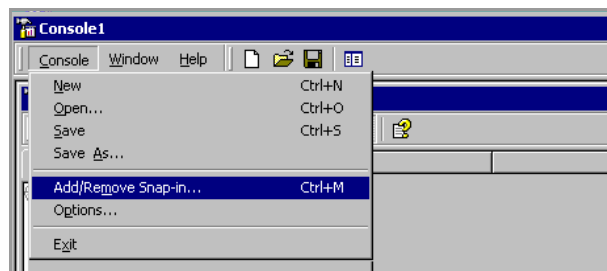
Configuring Windows for ContentKeeper Agent Username Resolution

If you wish to use *ContentKeeper Agent Username Resolution*, you must ensure that auditing of account logon events has been enabled. The following instructions describe how to enable this Group Policy feature.

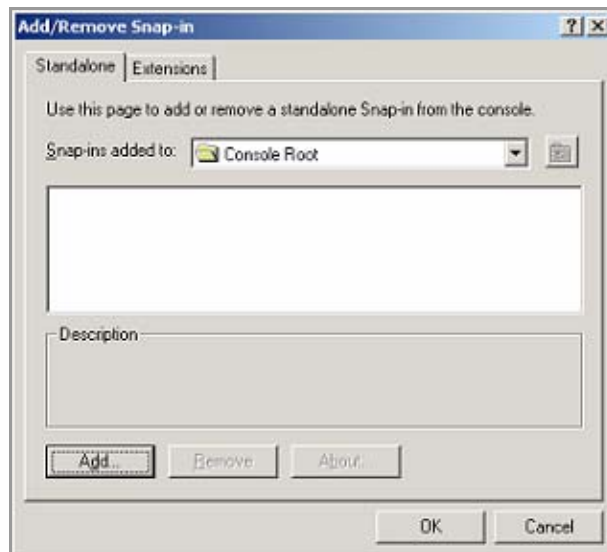
1. From the *Start Menu* click on the *Run* option and type *mmc* in the text box.



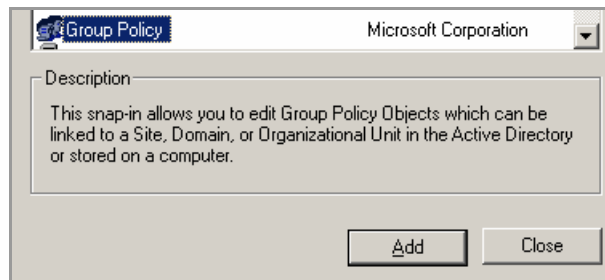
2. Within the *MMC* window select the *Console* menu and click on the *Add/Remove Snap-in* option.



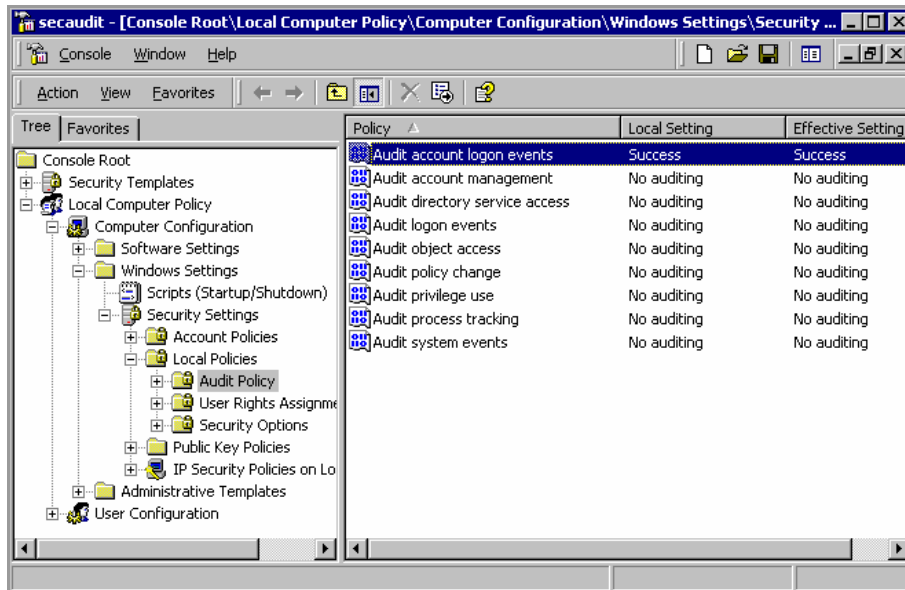
3. Click the *Add* button at the bottom of the *Add/Remove Snap-in* window.



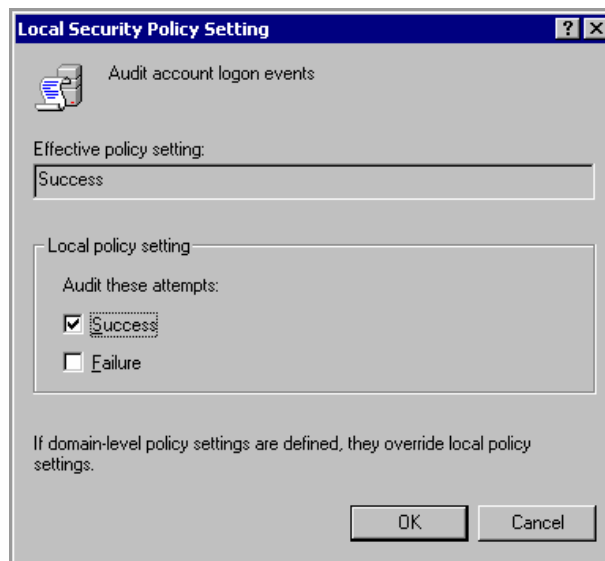
4. Select *Group Policy* (refer to the image below), then on the next screen click on the *Finish* button.



- Expand the *Local Computer Policy* branch until you locate the *Audit Policy* setting.



- Double click on *Audit account logon events* and tick the box next to *Success* to enable auditing of account logon events, i.e. successful user logins, to your Windows 2000/2003 Domain.



7. Close the *MMC* window and if prompted, save the console settings.

Note: This operation does not require a reboot.

All successful logons after this has been enabled will be logged.

ContentKeeper Agent Version 3.5

Version 121.27

A new *ContentKeeper Agent*, Version 3.5 is available. The new agent is available as a downloadable module for ContentKeeper Version 121.26 and is integrated into ContentKeeper Version 121.27.

Important! Only download and install the *ContentKeeper Agent 3.5 Patch* from the *Downloadable Modules* menu if you are using ContentKeeper Version 121.20 to Version 121.26.

Version 3.5 of the *ContentKeeper Agent* features enhanced support for Windows 2003 Active Directory *Username Resolution*.

Blockpage Customisation

Two major changes have been made to the *ContentKeeper Blockpage Customisation* facility including the introduction of support for SSL encrypted blockpages and the addition of the new *Simple Blockpage Customisation* method.

SSL Encrypted Custom Blockpages

Version 121.21

ContentKeeper now supports the use of SSL encrypted *Custom Blockpages*. To enable the use of SSL Encrypted *Custom Blockpages* simply specify a prefix of *https://* under the redirection section along with the URL to your *Custom Blockpage*.

REDIRECTION			
<input checked="" type="radio"/> Click here to design your own Block Page using redirection			
(Use this option when you want to redirect to a blockpage or your blockpage requires Images, Reclassification, etc, or your blockpage is larger then 750 bytes.)			
<input checked="" type="radio"/> Use GET	<input type="text" value="https://192.9.200.81/custom_blockpage.html"/>	<input type="button" value="A JScript Example"/>	<input type="button" value="View Example"/>
<input type="radio"/> Use POST	<input type="text"/>	<input type="button" value="A CGI Example"/>	<input type="button" value="View Example"/>

Note: This option is only available for the Redirection method.

New Blockpage Customisation Methods: Default, Simple, Redirection

Version 121.25

The new *Simple Blockpage Customisation* method allows for the creation and hosting of small, simple customised blockpages on the ContentKeeper Appliance. The *ContentKeeper Blockpage Customisation* menu has been redesigned to accommodate this new feature.

Select *Blockpage Customisation* from the *General Settings* menu in the *Web Interface*, and then choose the desired *Blockpage Customisation* method, *Default*, *Simple* or *Redirection*, by clicking on the appropriate radio button.

Blockpage Customisation

DEFAULT

[Click here to use the ContentKeeper Default Block Pages.](#)

SIMPLE

[Click here to design your own simple Block Page.](#)

REDIRECTION

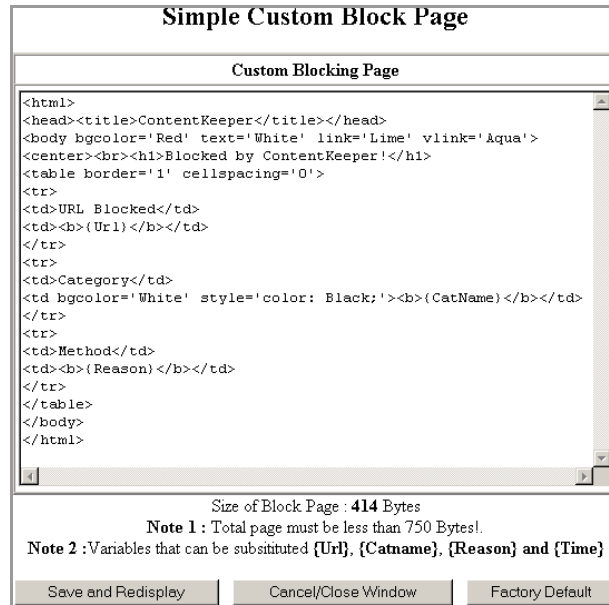
[Click here to design your own Block Page using redirection.](#)

(Use this option when you want to redirect to a blockpage or your blockpage requires Images, Reclassification, etc, or your blockpage is larger then 750 bytes.)

<input type="radio"/> Use GET	<input type="text" value="http://192.9.200.81/java-script-eg.html"/>	<input type="button" value="A JScript Example"/>	<input type="button" value="View Example"/>
<input checked="" type="radio"/> Use POST	<input type="text" value="http://192.9.200.81/cgi-bin/cgi-script-eg.cgi"/>	<input type="button" value="A CGI Example"/>	<input type="button" value="View Example"/>

Check this box if you wish to Customize the Authentication Block Page as well.
(Otherwise the ContentKeeper Default Block Page will used.)

To configure *Simple Blockpage Customisation*, choose the *Simple* radio button and then click on the *BlockPage*, *CoachPage* and *AuthenticationPage* buttons and customise the source code of each in turn. You will be presented with a source code configuration window.



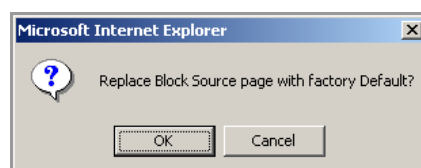
The *Simple Blockpages* are each limited to 750 bytes in size. The current size of the *Simple Custom Blockpage* is listed at the bottom of the source code configuration window for all three *Simple Custom Blockpage* types, **after** the *Save and Redisplay* button is clicked.

Note: If your *Custom Blockpage* is larger than 750 bytes you should use the *Redirection* method instead of the *Simple* method for *Blockpage Customisation*.

Blockpage Customisation Overwrite Alert

Version 121.27

In the *Simple Custom Blockpage* screen an alert will warn the user when they are about to overwrite the current blockpage code after clicking the *Factory Default* button.



Master/Slave Administration

Version 121.07

The ContentKeeper *Master/Slave Administration* facility introduces new centralised administration architecture to ContentKeeper, allowing organisations with multiple ContentKeeper appliances to manage much of the configuration of those appliances from one interface.

Master/Slave Administration

Select ContentKeeper Appliance Type.

Some organisations wish to deploy multiple ContentKeeper appliances, such as in a high traffic load-balanced environment where a number of ContentKeeper appliances are co-located, or a network with multiple Internet gateways where a ContentKeeper appliance is deployed at each gateway. Using *Master/Slave Administration*, one ContentKeeper appliance is configured as a master and the remaining ContentKeeper appliances are configured as slaves. Normal configuration tasks are performed on the master appliance and the slave appliances are then synchronised with the master. All master/slave synchronisation takes place via an encrypted communications channel on TCP port 22.

Slave IP Address	Username	Password	Password	Slave Hostname/Status	Last Sync Time	Test	Sync
192.9.200.161	ckadmin	XXXXXXXXXX	XXXXXXXXXX	devtestbed161	21-Apr-2004.11:23 a.m.	Test	Sync
192.9.200.166	ckadmin	XXXXXXXXXX	XXXXXXXXXX	devtestbed166	21-Apr-2004.11:24 a.m.	Test	Sync
						Test	Sync
						Test	Sync
						Test	Sync

Master/Slave synchronisation consists of two parts, *Appliance Configuration* and *URL Reclassifications*. Configuration options are synchronised manually between appliances from the *Master/Slave Administration* menu. A ContentKeeper administrator may specify which of the master appliance's configuration options are to be synchronised with the slave appliances; this makes the *Master/Slave Administration* facility very flexible and suitable for any network environment.

Master/Slave Administration

Manual Synchronization Options

(These options are synchronized when the **Sync** button is clicked.
The Slave Appliance will Restart once for each synchronization action.)

<input checked="" type="checkbox"/> All Policies	<input checked="" type="checkbox"/> Local Groups
<input checked="" type="checkbox"/> All URL Control List	<input checked="" type="checkbox"/> Block Page Customization
<input checked="" type="checkbox"/> Exclude/Include IP Addresses	<input checked="" type="checkbox"/> Date/Time Synchronization

Dynamic Synchronization Options

(These options are auto synchronized as soon as the changes are made on this Master
Appliance.)

Block/Unblock URLs in Control List

URL reclassification submissions made from the *Block/Unblock URLs in Control List* menu take effect instantaneously on the master appliance and are immediately applied to the slave appliance(s).

Automatic synchronisation of *URL Reclassifications* between appliances ensures that the URL Databases on all of the ContentKeeper appliances remain identical.

The *Master/Slave Administration* facility may be accessed by selecting *Master/Slave Administration* from the *Operational Settings* menu in the *ContentKeeper Web Interface*.

ContentKeeper Agent Synchronisation

Version 121.12

The *Master/Slave Administration* facility has been enhanced to allow the synchronisation of *ContentKeeper Agent* settings between ContentKeeper Appliances.

A new *Windows Agent* check-box has been added to the *Manual Synchronisation Options* window in the *Master/Slave Administration* facility.

To access the *Manual Synchronisation Options* window, first select *Master/Slave Administration* from the *Operational settings* menu in the *Web Interface* on a master ContentKeeper Appliance, and then click on the *Synchronisation Options* button.

Master/Slave Administration

Manual Synchronization Options

(These options are synchronized when the **Sync** button is clicked.
The Slave Appliance will Restart once for each synchronization action.)

<input type="checkbox"/> All Policies	<input type="checkbox"/> Local Groups
<input type="checkbox"/> All URL Control List	<input type="checkbox"/> Block Page Customization
<input type="checkbox"/> Exclude/Include IP Addresses	<input type="checkbox"/> Date/Time Synchronization
<input type="checkbox"/> Windows Agent	<input type="checkbox"/>

Dynamic Synchronization Options

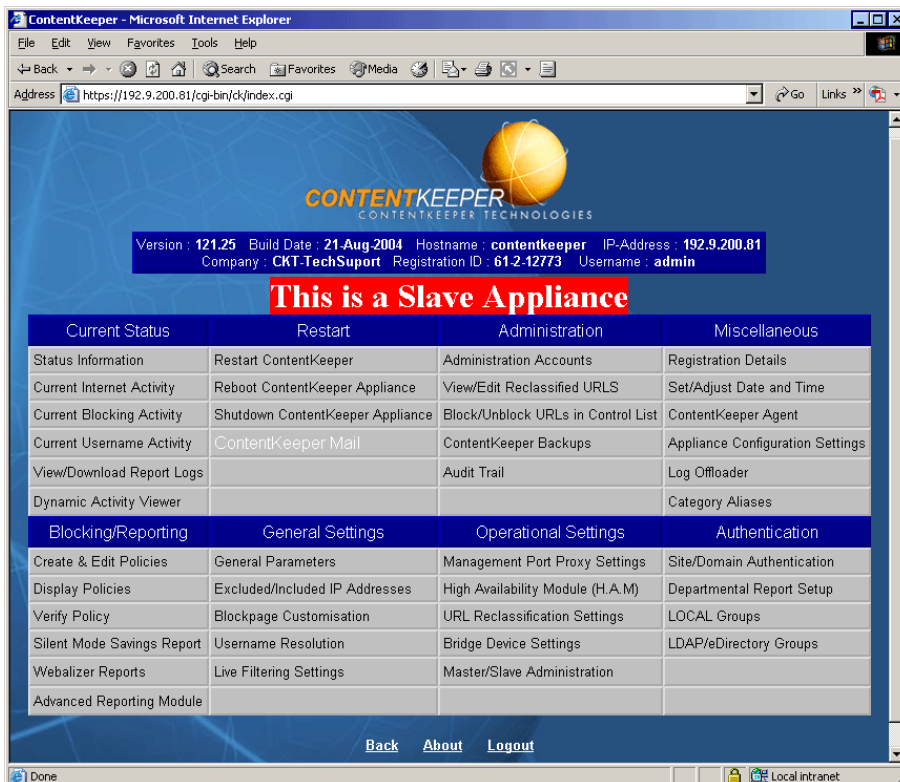
(These options are auto synchronized as soon as the changes are made on this Master Appliance.)

Block/Unblock URLs in Control List

Slave Appliance Banner

Version 121.12

Slave ContentKeeper Appliances will now be identified by a banner in the Web Interface stating "This is a Slave Appliance". Refer to the example image below.



The *Master/Slave Administration* facility has also received general enhancements to optimise synchronisation between master and slave appliances.

Setup and Customisation

This section of the release notes contains all of the enhancements and new features to ContentKeeper setup and customisation facilities, and includes all updates between Version 121.04 and Version 121.28.

Appliance Configuration Settings

Version 121.22

The *Appliance Configuration Settings* menu has been enhanced to allow the configuration of the *Management Port IP Address* settings and assignment of *Bridge Port* and *Management Port Ethernet Interfaces*.

Previously these settings could only be changed by running the *ContentKeeper Setup Program* from the *ContentKeeper Console*.

Appliance Configuration Settings	
Device name for first bridging interface	<input type="text" value="eth0"/>
Device name for management port (Middle)	<input type="text" value="eth1"/>
Device name for second bridging interface	<input type="text" value="eth2"/>
<u>Port Numbers for Filtering</u>	<input type="text" value="80 3128 8080"/>
IP Address for management port	<input type="text" value="192.9.200.81"/>
HostName management port	<input type="text" value="ContentKeeper"/>
Management port Netmask	<input type="text" value="255.255.255.0"/>
<u>Use Proxy</u>	<input type="text" value="no"/>
Gateway IP Address	<input type="text" value="192.9.200.1"/>
DNS IP Address	<input type="text" value="192.9.200.254"/>
Domain Name	<input type="text" value="contentkeeper.com"/>

Important! Entering the wrong configuration settings may prevent you from browsing to the *ContentKeeper Web Interface* and ContentKeeper may stop running. If you loose access to the *ContentKeeper Web Interface*, or are unsure about your settings you should run the *ContentKeeper Setup Program* at the *ContentKeeper Console Screen*. (/root/setup)

ContentKeeper Setup Program

The purpose of the ContentKeeper *Setup Program* is to allow you to configure the IP address settings for the *Management Port* and the customer registration details. The ContentKeeper *Setup Program* may only be accessed from the Red Hat Linux command shell or during the execution of the *ContentKeeper Auto Installer*.

A number of general enhancements have been made to the *ContentKeeper Setup Program*, each of which is detailed below.

Version 121.12

Silent Mode may now be configured through the *ContentKeeper Setup Program*. The option appears directly after the *Port Numbers for Filtering* option.

```
Port Numbers for Filtering.  
(Use '|' as separator), (H-Help) <80|3128|8080> :  
Run ContentKeeper in Silent Mode (H-Help) <no> :
```

Additionally, a new network restart option at the end of the *ContentKeeper Setup Program* means that a reboot of the ContentKeeper Appliance is no longer required after the *Management Port* IP address settings have been changed.

```
Reboot Machine to Start ContentKeeper  
-----  
After the next reboot execute ContentKeeper automatically ? <yes> :  
Reboot Machine now ? <no> :  
Restart Network Services ? <no> : yes  
  
Please wait, Restarting Network Services .....  
  
Please wait, Updating ContentKeeper Configuration .....  
  
All Done!.  
[root@192.9.200.81 ~]# █
```

To restart ContentKeeper after running the *ContentKeeper Setup Program*, simply type *startck* at the command prompt.

Important! Do not start ContentKeeper from the command prompt if you have accessed the command prompt through a telnet or SSH session, as ContentKeeper will stop again when the session is closed.

Note: Starting ContentKeeper from the command prompt does not log you out which means that if later on someone presses <Shift-Q> on the *ContentKeeper Console*, they will already be logged in.

Version 121.20

The ContentKeeper operating system has been reconfigured so that you can now type *setup* from anywhere in the OS and the *ContentKeeper Setup Program* will start. Previously you had to type */root/setup* or *cd /root* followed by *./setup* to start the *ContentKeeper Setup Program*.

Bridge Directionality

Version 121.22

The ContentKeeper *Bridge Directionality* facility allows ContentKeeper to be optimised so that only Internet traffic originating on your LAN and bound for the Internet is filtered, making available more system resources for better performance.

To access the *Bridge Directionality* menu, select *Bridge Device Settings* from the *Operational Settings* menu in the *ContentKeeper Web Interface* and click the *Bridge Directionality* button at the bottom of the screen.

Bridge Directionality

Detect Bridge Direction Automatically
 Configure Manually
 Ignore (No Preferred Direction)

Type	Port	Mac Address	Direction	# Requests	# Ip
Bridge 1	eth0	0002B3A0676C	Lan	44	4
Bridge 2	eth2	0002B3A051A0	Internet	0	0

Bridge last Optimized at time : 31-Aug-2004, 1:11 p.m.

The ContentKeeper *Bridge Directionality* facility may be configured to one of three modes, Automatic Detection, Manual Configuration and No Preferred Direction.

When the *Detect Bridge Direction Automatically* radio button is selected, once an hour ContentKeeper will multiply the total number of requests by the total number of unique IP addresses connecting through each of the Bridge Ports

and deem the *Bridge Port* with the highest result to be the LAN side. and the *Bridge Port* with the lower result to be the Internet side.

When the *Configure Manually* radio button is selected you may manually specify which *Bridge Port* is on the LAN side and which is on the Internet side.

When the *Ignore* radio button is selected ContentKeeper will filter Web requests no matter which side of the *ContentKeeper Bridge* they originate on.

Note: When the *ContentKeeper Bridge* is deployed between your LAN and a proxy server, the *Bridge Port* connected to the proxy server should be configured as the Internet side. Use the information presented in the *Bridge Device Settings* menu to help you determine which port is connected to which network device.

Downloadable Modules

Version 121.26

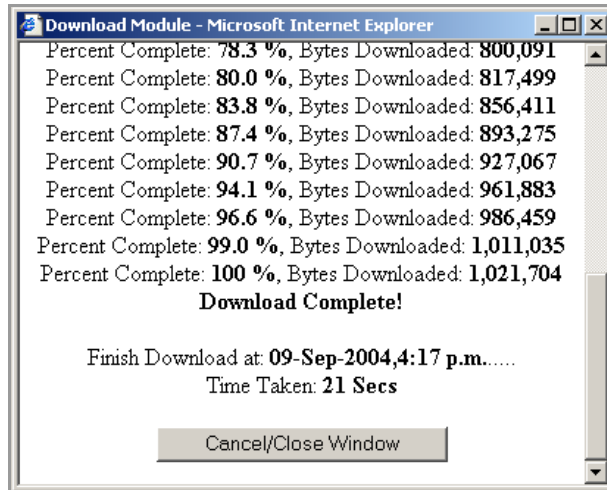
The ContentKeeper *Downloadable Modules* facility will allow ContentKeeper administrators to gain complete control of software upgrades on their ContentKeeper Appliance.

ContentKeeper *Modules* may be downloaded at any time and do not have to be installed right away, making the facility quite flexible. The facility may be accessed by selecting *Downloadable Modules* from the *Administration* menu in the *ContentKeeper Web Interface*.

ContentKeeper Downloadable Modules								
Current ContentKeeper Version Installed: 121.26								
Module Description	Module Name	Version Required	Module Date	Bytes	Download	Install	Status	Uninstall
Mail Engines (FSAV/DCC)	fsav	121.25	18-Aug-2004	5,721,856	Download	Install	Please Download	Uninstall
eDirectory Replication	Novell	121.25	24-Aug-2004	41,690,260	Download	Install	Please Download	Uninstall
Squid2.5-STABLE6 Proxy Server	squid	121.25	30-Aug-2004	1,020,856	Download	Install	Please Download	Uninstall

In addition to ContentKeeper upgrades items such as Release Notes and companion software, e.g. the Squid Web-Cache Proxy Server, may also be downloaded and installed through the ContentKeeper *Downloadable Modules* facility.

During a download, a separate window is opened showing progress and, when complete, the time taken by the download.



Important! The ContentKeeper Downloadable Modules facility is available as a beta test version in ContentKeeper Version 121.26 and can be enabled upon request. To request this facility, please send an email to support@contentKeeper.com that includes the request, your ContentKeeper Appliance Registration ID and your Company Name.

Detailed Module Description

Version 121.27

Downloadable Modules became an official feature in ContentKeeper Version 121.27. In the same version a detailed module description window was added to each available module in the menu.

Module Description	Module Name	Minimum Version Required	Module Date	Bytes	Download	Install	Status	Uninstall
ContentKeeper Version 121.26 Release Notes These release notes apply to ContentKeeper® Web Enterprise Version 121.26 and include all updates and changes	Rel12126	121.26	09-Sep-2004	472,313	Download	View	Please View	Uninstall

Audit Trail

Version 121.07

Complementing the new *Administration Accounts* facility, the ContentKeeper *Audit Trail* facility provides the ability to display all the *Web Interface* screens that a given user has accessed during a specified time period.

ContentKeeper Audit Trail

Display Audit Trail for last	1 Hour
Select a Username	Fred
<input type="button" value="Display"/>	

This is an important feature as it allows full auditing of access to the ContentKeeper *Web Interface*, including the master administrator account (admin).

Date/Time	User	Description	Page
27-Apr-2004,10:31 a.m.	Fred	Status Information	logout.cgi
27-Apr-2004,10:31 a.m.	Fred	Create & Edit Policies	policyverify.cgi
27-Apr-2004,10:31 a.m.	Fred	Create & Edit Policies	policy.cgi
27-Apr-2004,10:31 a.m.	Fred	Create & Edit Policies	categories.cgi
27-Apr-2004,10:31 a.m.	Fred	Create & Edit Policies	policy.cgi
27-Apr-2004,10:31 a.m.	Fred	ContentKeeper Menu	index.cgi
27-Apr-2004,10:30 a.m.	Fred	Status Information	status.cgi
27-Apr-2004,10:30 a.m.	Fred	ContentKeeper Menu	index.cgi

Audit trail reports are generated by selecting a specific user or all users and then specifying a period of time that the report should cover. The *Audit Trail* facility may be accessed by selecting *Audit Trail* from the *Administration* menu in the ContentKeeper *Web Interface*.

Change Administration Password

Version 121.07

The *Change Administration Password* menu has been replaced with the *Administration Accounts* menu. The ContentKeeper *Web Interface* admin password may now be changed from the new *Administration Accounts* menu.

ContentKeeper Administration Accounts			
Username	Password	Password Again	Access Control
admin	*****	*****	<input type="button" value="Settings"/>

Administration Accounts

Version 121.07

The new ContentKeeper *Administration Accounts* facility allows for the implementation of role-based access to the ContentKeeper *Web Interface*.

ContentKeeper Administration Accounts			
Username	Password	Password Again	Access Control
admin	*****	*****	Settings
Fred	*****	*****	Settings
reporting	*****	*****	Settings
			Settings
			Settings
			Settings
			Settings
			Settings

The *Administration Accounts* facility allows a ContentKeeper administrator to create user accounts and then specify which menus in the *Web Interface* may be accessed by those accounts.

Access Control for Username: Fred			
Current Status	Restart	Administration	Miscellaneous
Status Information <input checked="" type="checkbox"/>	Restart ContentKeeper <input type="checkbox"/>	Administration Accounts <input type="checkbox"/>	Registration Details <input type="checkbox"/>
Current Internet Activity <input checked="" type="checkbox"/>	Reboot ContentKeeper Appliance <input type="checkbox"/>	View/Edit Reclassified URLs <input type="checkbox"/>	Set/Adjust Date and Time <input type="checkbox"/>
Current Blocking Activity <input checked="" type="checkbox"/>	Shutdown ContentKeeper Appliance <input type="checkbox"/>	Block/Unblock URLs in Control List <input type="checkbox"/>	ContentKeeper Agent <input checked="" type="checkbox"/>
Current Username Activity <input checked="" type="checkbox"/>	ContentKeeper Mail <input type="checkbox"/>	ContentKeeper Backups <input type="checkbox"/>	Appliance Configuration Settings <input type="checkbox"/>
View/Download Report Logs <input type="checkbox"/>		Audit Trail <input type="checkbox"/>	Log Offloader <input type="checkbox"/>
Dynamic Activity Viewer <input checked="" type="checkbox"/>			Category Aliases <input type="checkbox"/>
Blocking/Reporting	General Settings	Operational Settings	Authentication
Create & Edit Policies <input checked="" type="checkbox"/>	General Parameters <input type="checkbox"/>	Management Port Proxy Settings <input type="checkbox"/>	Site/Domain Authentication <input checked="" type="checkbox"/>
Display Policies <input checked="" type="checkbox"/>	Excluded/Included IP Addresses <input type="checkbox"/>	High Availability Module (H.A.M) <input checked="" type="checkbox"/>	Departmental Report Setup <input type="checkbox"/>
Verify Policy <input checked="" type="checkbox"/>	Blockpage Customisation <input type="checkbox"/>	URL Reclassification Settings <input type="checkbox"/>	LOCAL Groups <input checked="" type="checkbox"/>
Client Mode Savings Report <input type="checkbox"/>	Username Resolution <input type="checkbox"/>	Bridge Device Settings <input checked="" type="checkbox"/>	LDAP/eDirectory Groups <input checked="" type="checkbox"/>
Webalizer Reports <input type="checkbox"/>	Live Filtering Settings <input type="checkbox"/>	Master/Slave Administration <input type="checkbox"/>	
Advanced Reporting Module <input type="checkbox"/>			

When both network operations and human resources staff are involved in the management of ContentKeeper, it is important that each group of staff members only has access to appropriate areas of the *Web Interface*. The new *Administration Accounts* facility provides for this kind of role-based access to the ContentKeeper *Web Interface*.

Current Status	Restart	Administration	Miscellaneous
Status Information	Restart ContentKeeper	Administration Accounts	Registration Details
Current Internet Activity	Reboot ContentKeeper Appliance	View/Edit Reclassified URLs	Set/Adjust Date and Time
Current Blocking Activity	Shutdown ContentKeeper Appliance	Block/Unblock URLs in Control List	ContentKeeper Agent
Current Username Activity	ContentKeeper Mail	ContentKeeper Backups	Appliance Configuration Settings
View/Download Report Logs		Audit Trail	Log Offloader
Dynamic Activity Viewer			Category Aliases
Blocking/Reporting	General Settings	Operational Settings	Authentication
Create & Edit Policies	General Parameters	Management Port Proxy Settings	Site/Domain Authentication
Display Policies	Excluded/Included IP Addresses	High Availability Module (H.A.M)	Departmental Report Setup
Verify Policy	Blockpage Customisation	URL Reclassification Settings	LOCAL Groups
Silent Mode Savings Report	Username Resolution	Bridge Device Settings	LDAP/eDirectory Groups
Webalizer Reports	Live Filtering Settings	Master/Slave Administration	
Advanced Reporting Module			

Each staff member has his/her own login credentials and after logging-in, may only access parts of the *Web Interface* that were preset by the master administrator when their account was created. All remaining Web Interface menus are greyed out.

Warning! The following users are logged in : {david} {admin} {matt}
 Caution! The following users are also on this page : {david} {admin}

ContentKeeper users are notified by a warning message when they access a menu in the *Web Interface* already being accessed by another user. If two users simultaneously save changes to the same menu, the most recent changes are applied. This is why it is important that logged-on users are aware of each other.

The *Administration Accounts* facility may be accessed by selecting *Administration Accounts* from the *Administration* menu in the ContentKeeper *Web Interface*.

ContentKeeper Mail

Version 121.07

The new solution to all your email filtering needs. Visit www.contentkeeper.com for more information.

ContentKeeper Backups

Version 121.12

The *ContentKeeper Backups* facility has been updated to include new ContentKeeper configuration settings and features. The additional configuration settings now included in *ContentKeeper Backups* are from the following features:

- *Administration Accounts Settings*
- *LDAP/eDirectory Group Settings*
- *ContentKeeper Agent Settings*
- *Master/Slave Administration Settings*
- *Blockpage Customisation Settings*

Note: *ContentKeeper Backups* do not include user and group data enumerated to ContentKeeper by either the *ContentKeeper Agent* or through the *LDAP/eDirectory Groups* facility.

Category Aliases

Category Aliases Menu Location

Version 121.07

The *Category Aliases* menu has been moved to the *Miscellaneous* menu in the ContentKeeper *Web Interface*. The new location of the *Category Aliases* menu is indicated in the following diagram.

Current Status	Restart	Administration	Miscellaneous
Status Information	Restart ContentKeeper	Administration Accounts	Registration Details
Current Internet Activity	Reboot ContentKeeper Appliance	View/Edit Reclassified URLs	Set/Adjust Date and Time
Current Blocking Activity	Shutdown ContentKeeper Appliance	Block/Unblock URLs in Control List	ContentKeeper Agent
Current Username Activity	ContentKeeper Mail	ContentKeeper Backups	Appliance Configuration Settings
View/Download Report Logs		Audit Trail	Log Offloader
Dynamic Activity Viewer			Category Aliases
Blocking/Reporting	General Settings	Operational Settings	Authentication
Create & Edit Policies	General Parameters	Management Port Proxy Settings	Site/Domain Authentication
Display Policies	Excluded/Included IP Addresses	High Availability Module (H.A.M)	Departmental Report Setup
Verify Policy	Blockpage Customisation	URL Reclassification Settings	LOCAL Groups
Bandwidth Savings Report	Username Resolution	Bridge Device Settings	LDAP/eDirectory Groups
Webalizer Reports	Live Filtering Settings	Master/Slave Setup	
Advanced Reporting Module			

Category Aliases Index

Version 121.27

ContentKeeper *Category Aliases* allow you to customise the description that is applied to each *ContentKeeper Category Index* throughout the entire ContentKeeper product and the ContentKeeper Advanced Reporting Module.

As of ContentKeeper Version 121.27 the following two lists of categories and their descriptions (aliases) are used within ContentKeeper by default and appear in the Advanced Reporting Module reports under the *Profiles* heading.

List 1: The description of these categories may be customised through the *Category Aliases* menu.

Index	Category Description
1	Adult Content
2	News
3	Job Search
4	Gambling
5	Travel/Tourism
6	Shopping
7	Entertainment
8	Chatrooms
9	Dating Sites
10	Game Sites
11	Investment Sites
12	E-Banking
13	Crime/Terrorism
14	Personal Beliefs/Cults
15	Politics
16	Sports
17	www-Email Sites
18	Violence/Undesirable
19	Malicious
20	Search Sites
21	Health Sites
22	Clubs and Societies
23	Music Downloads
24	Business Oriented
25	Government Blocking List
26	Educational
27	Advertising
28	Drugs/Alcohol
29	Computing/IT

30	Swimsuit/Lingerie/Models
31	Spam
32	Reserved

List 2: The descriptions of these categories are hard coded into ContentKeeper and may not be customised through the *Category Aliases* menu.

-1	Non Managed
0	Non Managed
33	Custom-URLs
34	Custom-URLs (Time of Day)
35	Custom-URLs (Block/Coach/Auth)
36	File Type
37	File Type (Time of Day)
38	Locally Bypassed URLs
39	Protocols

Version Index

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