

# FSM User's Guide FileNet System Monitor 4.0.0

**FileNet Corporation** 

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	Sun Microsystems, Inc. Binary Code License Agreement	
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FileNet System Monitor

(June, 2007)

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FileNet Corporation 3565 Harbor Boulevard Costa Mesa, California 92626 USA 800.FILENET (345.3638) Outside the U.S., call: 1.714.327.3400 www.filenet.com (http://www.filenet.com)

# **Chapter 3. About this document**

### Who Should Read This Guide

The target audience for this guide are those who install the FSM server. Users of the guide should have some knowledge about Unix and/or Microsoft Windows® operating system.

Every effort has been made to provide you with complete installation instructions. If information becomes available after the creation of the documentation CD from which you accessed this guide, we will provide an updated version of the guide on the FileNet Customer Service and Support web site (www.css.filenet.com (http://www.css.filenet.com)). As a general rule, you should refer to the CSS web site to obtain the current version of this guide.

This guide provides instructions for installing and/or upgrading FileNet System Monitor, and identifies the FileNet and 3rd party products that are certified for the current release. Be aware that each release of FileNet System Monitor may have multiple hotixes, Hotfix Packs, or Service Packs available for installation, each with potentially different dependencies and installation requirements. Therefore, before you attempt to install or upgrade FileNet System Monitor, review the list of releases and their associated dependencies on the FileNet Customer Service and Support web site (www.css.filenet.com (http://www.css.filenet.com)).

Installation by a FileNet Certified Professional (FCP) Recommended. For more information on the FCP program, refer to the FileNet Web site (www.filenet.com (http://www.filenet.com)), Customer Center > Global Learning Services > Certification Programs.

## List of documents

FileNet System Monitor CALA Guide

Datatypes that can be processed by the FSM CALA

FileNet System Monitor Monitoring Guide

Description of all monitors contained in FileNet System Monitor

FileNet System Monitor Task Guide

Description of all tasks contained in FileNet System Monitor

FileNet System Monitor Users Guide

Installation guide

FileNet System Monitor Release Notes

Description of changes and bugfixes

## **General information**

## Where you find this guide

You can find this documentation on the FSM installation CDROM in the following folder:

UNIX: <Mount point>/INSTALL/docs

Windows: <Drive letter>:\INSTALL\docs

## **Typeface Conventions**

The guide uses several typeface conventions for special terms and actions. These conventions have the following meaning:

code Keywords and code examples occur like this

varname Variable names occur like this

filename File names occur like this

constant Constants and names of tasks, monitors etc. appear like this

command Command names appear like this

parameter Parameters and options for commands apperar like this

userinput Values that th user must provide appear like this

Computer output Output from programs appears like this

guilabel Names of windows, dialogs, and other controls appear like this

Programlistings appear like this:

```
001  # a program listing
002  echo "This is an example program listing (shell script) with nothing bu /
... t an extremly long echo command"
003  exit 0
```

**Note:** The character  $\checkmark$  at the end of a line in a computer output or program listing shows, that the line has been wrapped and is continued in the next line.

# **Contacting FileNet Support**

We are very interested in hearing from you about your experience with the product. We welcome your suggestions for improvements.

If you encounter difficulties with the FSM please contact the FileNet support (http://www.filenet.com).

# Chapter 4. Working with the WebConsole

# **Default start page**

This screenshot shows the default start page after logging in to the FSM WebConsole.



WebConsole: Default start page.

On the left side, you see a sidebar menu. The list of entries shown in this menu depends on the type of user that is logged in (admin or *normal* user). The screenshot shows the navigation for a user with simple user rights.

At the top, you see at the outer left your user name, and the actual date. At the outer right, there are three links: Preferences, Help and Logout.

Clicking on the System Information link on the sidebar menu takes you back to this page.

## WebConsole

## **Overview: Summary**

Clicking on the FSM link from the sidebar menu brings up the full view over all hosts in all companies and departments.



WebConsole: All hosts.

The main area shows an overview of the companies, areas and hosts, and their actual status. At the top of this overview, there is a shortcut menubar.

#### **Overview: Details**

Clicking on the Overview link in the shortcut menubar brings up the full view over all hosts of all areas in all companies.



WebConsole: Overview page.

The events for each machine are grouped into areas which are listed in the top row of the table for each department.

The coloured symbols in the table show where events are available. The form and the colour of a symbol indicates the severity of the status of the area. The symbol left from the hostname and the background color used for the machine name indicates the highest severity for this machine in all areas.

You can refresh the view by clicking on the Refresh icon. You can specify an interval for automatic refresh on the *Preferences* page. The timestamp to the right of the Refresh icon shows the time of the latest refresh.

Clicking on the Overview always takes you back to this page.

# **Navigation**

You can click on a machine name to see only events for this machine. The list of areas will be narrowed down to show only those areas where events for the selected machine are available.



WebConsole: Single host view.

You can click on an area to see all machines from all departments that have entries in this area.



WebConsole: Single are view.

Finally, you can click on a symbol in the overview or any of the views described above to see all events for the selected machine and the selected area.



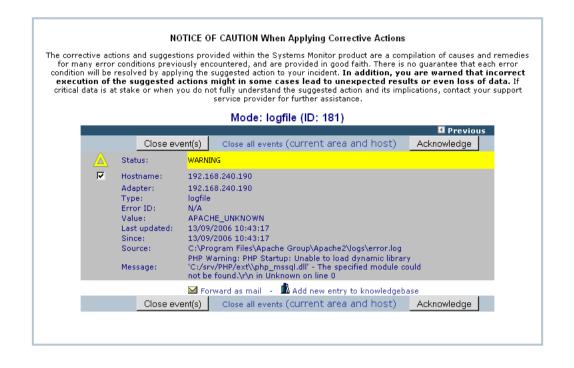
WebConsole: Status listing.

Clicking on the magnifying-glass to the right of an event shows details of this event.

#### Hostname: 192.168.240.190 Area: Apache



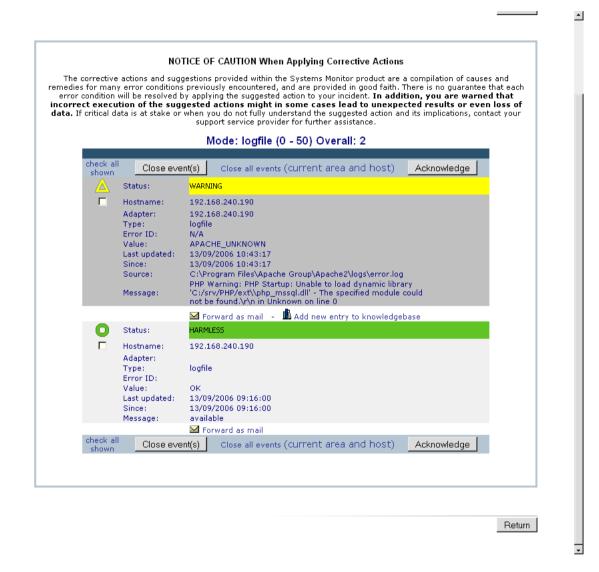




Return

WebConsole: Detailed view of a message.

The More information button shows detailed information about all events in this view.



WebConsole: More informations view.

The Last errors button shows all error events for this area for the selected machine.



WebConsole: Last errors view.

## Monitor events and Logfile events

Monitor events are created by monitors, i.e. by scripts or programs started by the *calamon* FSM component. A *good* monitor event automatically removes error events of this monitor from the view in the console.

Normally, a monitor is configured to send only its first *good* event. As long as the monitor does not report an error, no further events from this monitor will be received. If an error occurs, any error event from the monitor will be sent until the status of the monitor is *good* again.

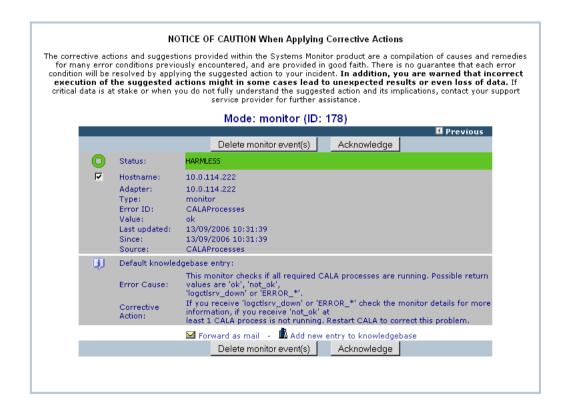
This means that the details of a monitoring event may show a timestamp in the *Last updated* field that seems to be outdated. This is ok if the value is the *good* value of the monitor. It does not mean that the monitor has stopped working.

To check if CALA is running on the machine, you can have a look at the *status* monitor in the *CALA\_check* area. This is a heartbeat monitor for the CALA components. It should contain a recent timestamp in its *Last updated* field.

# Hostname: 10.0.114.222 Area: cala\_check





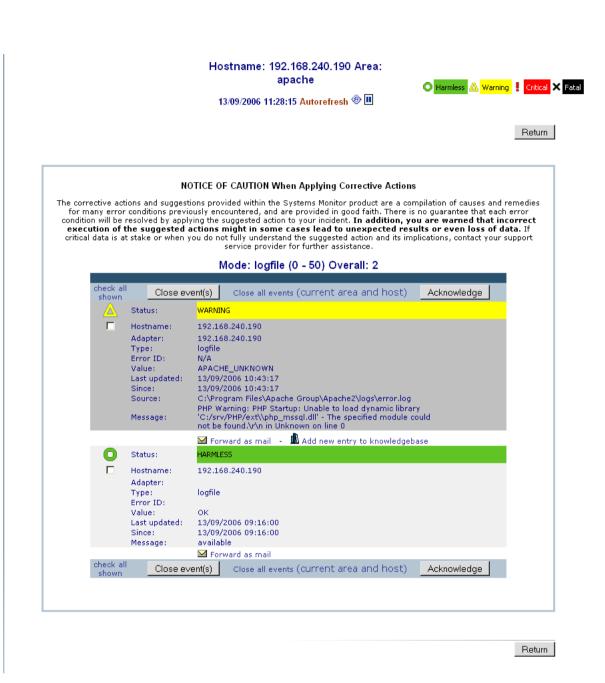


Return

#### WebConsole: Monitor events.

Logfile events are created from logfiles read by the CALA reader components. Unlike monitor events, logfile events must be closed manually. Closing an event removes this event from the view in the WebConsole.

Through the Close button you can close the selected event(s). You can either select a single event by marking the checkbox to the left of an event entry or all shown events in the view by clicking on the Check all shown option. It is also possible to close all logfile events stored in the database, when clicking at the Close all events link.



WebConsole: Logfile events.

You can close logfile events from the detailed view as well. There is a check box to select a single event as well as a check all option to select all events in this view. Clicking the Close button closes all selected events.

Events can be send via email by clicking at the Forward as mail link at the bottom of the event entry.

#### Send mail

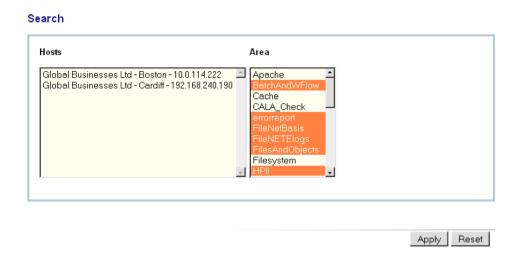


Send

WebConsole: Forwarding event as email.

# **Searching for events**

Use the Search link in the shortcut menubar to open the dialog for search criteria:



WebConsole: Searching for events.

Select the desired entries from the Host and Area list boxes. You can select more than entry in the list boxes by holding down the **Shift** key (to select contiguous entries) or the **Ctrl** key (to select several single entries).

Pressing the Apply button starts the search for matching events.



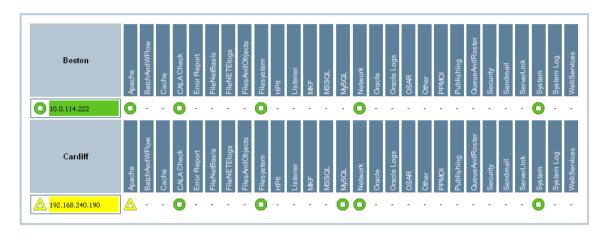
WebConsole: Event search results.

Use the Only errors entry from the shortcut menubar to open a dialog for error searching:





#### Global Businesses Ltd



WebConsole: Show only errors selection.

Clicking on the Search button starts the search. The result shows all machines from all departments that have error events of the selected status type in at least one area.



WebConsole: Only errors view.

### **Eventview**

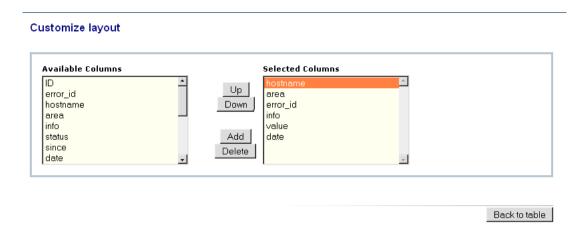
Use the Eventview entry from the shortcut menubar to open a table with all events. Through this a filtered tabular view of all events is possible.



WebConsole: Event view, default view.

Per default, only the first 25 entries of all categories are shown. To apply one of the predefined or saved filters, select it from the listbox at the left, above the table. The number of events shown can be changed, through the Show input field above the table. The starting number of the first event shown in the table can be set through the next input field. To apply these settings, click at the Go button.

To only see a personal selection of the columns, it is possible to define a distinct view. Clicking at the Change link will open a new dialog, where one can select the columns to display in the selected/new view.



WebConsole: Changing the event view columns.

To save a new view, clicking at the Save link will open a dialog, where an already defined personal view can be selected or a new name can be entered, and the view can be saved. The user defined views can be deleted later, when no longer needed.

The displayed events can be exported to a csv text file by clicking at the Export as csv link. So it is possible to load the values into an external tool like e.g. a spreadsheet application.



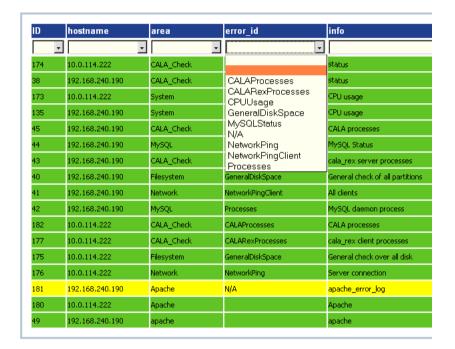
WebConsole: Event view, saving a personal view.

A distinct view can be made to be the default view, by clicking at the Make default link. The data shown

Clicking at one of the table column headers (ID, hostname, area, ...) will sort the table rows according to the selected column. At first, the sort order is ascending, clicking again the at the same column header, will change the sorting order to descending. The sorting order is indicated by an arrow left from the column header title.

The rows can be filtered, to show only a distinct type of events by selecting an entry from one or more of the listboxes right below the column headers. Clicking at the Filter button activates the filter.

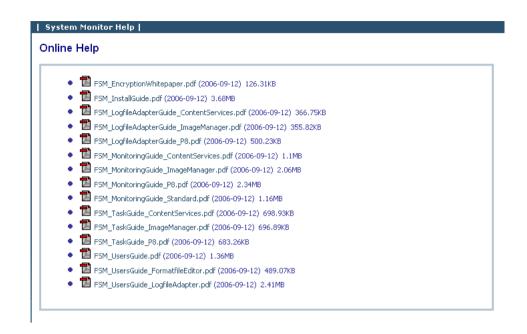




WebConsole: Event view, selecting a filter.

# Online help

Use the Help link at the top right to access the documentation for the installed products:



WebConsole: Online help.

# WebConsole – additional options for admin and super users

Normal users are not allowed to execute some commands, so they will not see every possible entry in their sidebar menu:



WebConsole: Sidebar menu for a normal user.

Users with admin or super user privileges have more options in the WebConsole. So they have more menu entries in the sidebar menu:



WebConsole: Sidebar menu for administrators and super users.



WebConsole: Top menu for administrators and super users; User administration.



WebConsole: Top menu for administrators and super users; Host administration.

# Show current cala\_rex hosts (admin only)

Clicking on the Current cala\_rex Hosts link, you will get a listing of the currently configured and connected cala\_rex hosts of this server.

#### **CALA Rex Hosts**



#### Online hosts



#### Offline hosts

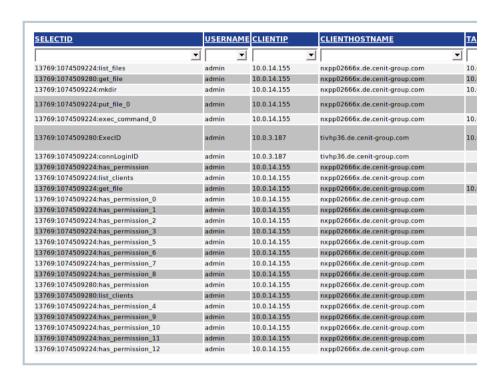


WebConsole: Show current cala\_rex hosts.

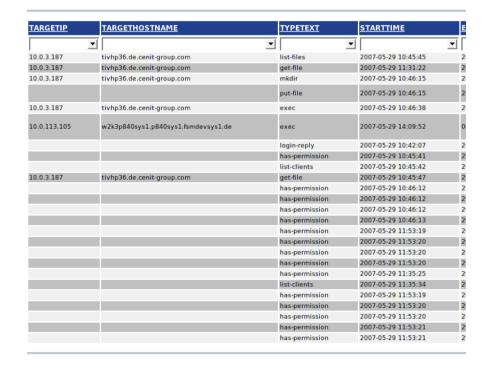
# **Transactionlog (admin only)**

The Transaction Log view lists the entries of the log in a tabular form, similar to the event view.

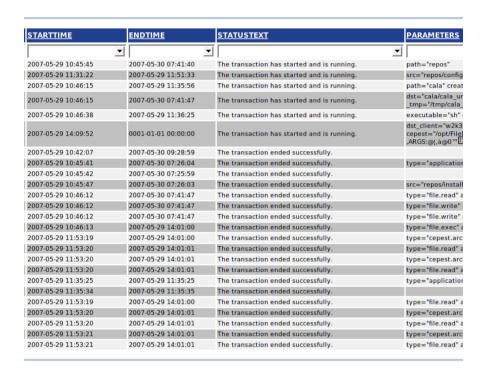
The following images are examples of the default view of the transactionlog, the complete view is distributed over separate images, because of its size.



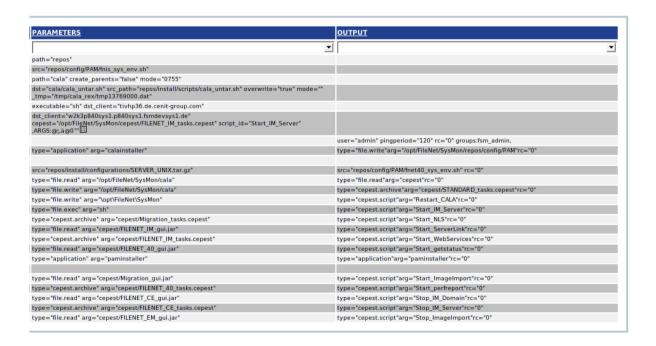
The Transactionlog default view (part 1).



The Transactionlog default view (part 2).



The Transactionlog default view (part 3).



The Transactionlog default view (part 4).

It is recommende to create a specialized view, to only see the desired entries.

**Note:** Nice to know: The first part of the SelectId, that is the numbers from left to the first colon, is the OS process id of the cala\_rex process. If the number changes between entries, you will know the

cala\_rex has been restartet at least once between the two actions.

### **Administrative tools**

There are several tools that are available for administrative users only. A full description of these tools can be found in the respective User's Guides.

Link	Description
Accounting	Graphical tool to analyze accounting data (admin and super user)
Monitoring Manager	Graphical tool to configure monitors for CALA (admin and super user)
Task Execution	Graphical tool to execute tasks on remote machines (admin only)
Manager	

## **Start FSM Installer (admin only)**

The Launch installer link opens a view with all available FSM installers.



WebConsole: Launch FSM installer (admin only).

A complete description of the installer can be found in the CALA User's Guide.

# Manage Hosts, Departments and Companies (admin only)

The Hosts submenu from the Host Administration menu opens a view where you can manage hosts, departments and companies shown in the WebConsole.

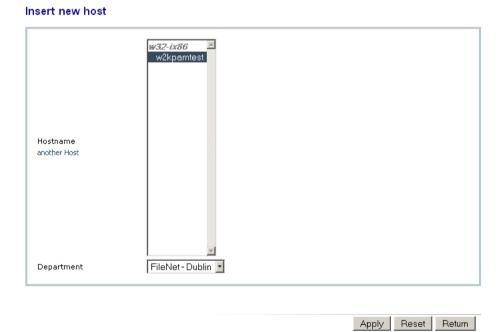


WebConsole: Manage Hosts, departments and companies (admin only).

Use the add buttons to insert company, departments and machine. Use the edit link from the administration column to change company, department or machine data. Use the delete link from the administration column to remove a company, department or machine from the WebConsole.

Note: Delete a machine, department or company will delete all data which belong to it.

Clicking on Insert new host opens the following window:



WebConsole: Insert new host, select from list of known hosts.

The list box contains all machines that have a cala\_rex client installed and which have not yet been added to the WebConsole. If the machine you want to add is not listed in the list box, enter the host name in a text field.

The FSM installation process shows in its output which hostname must be added.

Select the department where the new host must be added from the Department list box, Select hostgroups to which the maschine should belong to and click Apply to add the new machine. The hostgroup all hosts is default, the host will be added to this group automatically.

## Manage Hostgroups (admin only)

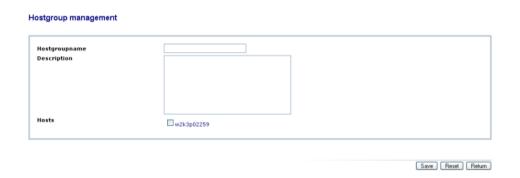
The Hostgroups submenu from the Host Administration menu opens a view where you can manage hosts, departments and companies shown in the WebConsole.



WebConsole: Manage Hosts, departments and companies (admin only).

Use the edit and delete links to manage the hostgroups.

Clicking on new hostgroup opens the following window:



WebConsole: Insert new hostgroup.

Select the host which should belong to the new hostgroup in the Hosts list and click Save to add the new hostgroup.



WebConsole: Edit hostgroup.

Change the name or description of the hostgroup and the hosts which should belong to it and click Save to change the hostgroup.

# **Manage Areas (admin only)**

The Areas submenu from the Host Administration menu opens a view where you can manage areas for the WebConsole.

#### Areas

Display name	Internal name	Administration	
Apache	apache	Ø	X
BatchAndWFlow	batchandwflow	Ø	X
Cache	cache	Ø	X
CALA Check	cala_check	<b>₫</b>	X
Error Report	errorreport	<b>⊌</b>	X
FileNetBasis	filenetbasis	Ø	X
FileNETElogs	filenetelogs	Ø	X
FilesAndObjects	filesandobjects	<b>⊘</b>	X
Filesystem	filesystem	Ø	X
HPII	hpii	Ø	X
Listener	listener	Ø	X
MKF	mkf	Ø	X
MSSQL	mssql	<b>₫</b>	X
MySQL	mysql	Ø	X
Network	network	Ø	X
Oracle	oracle	Ø	X
Oracle Logs	oraclelogs	Ø	X
OSAR	osar	Ø	X
Other	other	<b>₫</b>	X
PPMOI	ppmoi	Ø	X
Publishing	publishing	<b>₫</b>	X
QueueAndRoster	queueandroster	Ø	X
Security	security	<b>₫</b>	X
Sendmail	sendmail	Ø	X
ServerLink	serverlink	Ø	X
System	system	Ø	X
System Log	systemlog	Ø	X
WebServices	webservices	₫.	X

Insert new area

WebConsole: Manage areas.

Use the delete link to remove an area from the WebConsole.

**Note:** Do not remove any of the areas provided by FileNet.

Clicking on Insert new area opens the following window:

# New area Display name Internal name Insert Reset Return

WebConsole: Insert new area.

To add logfile events to the new area, the slot \$area must contain the area name. In most cases, it will do to add the following line to the format file (V2S file) that processes the concerned logfile events:

GLOBAL BIND \$area TO "<your\_area\_name\_here>"

For details about V2S formatfiles see V2SEdit User's Guide.

To add monitor events to the new area, the field Classname must contain the area name. Open the concerned monitor in the Monitoring Manager. Press the More... button and enter the area name in the field labeled Classname.

For details about using the Monitoring Manager see Monitoring Manager User's Guide.

**Note:** The area name is case-sensitive.

# **User Permissions (admin only)**

# How user permissions work

Privileges for a user can be assigned by two ways. The first one is to assign privileges to a role and assign this role to the user. The second one is to assign special privileges directly to a user.

Assign privileges to a role or directly to a user will use a similar webformular.

First choose the component you would add a privilege for. These are WebServerPermission for the privileges on the webserver, MonitoringPermission for the privileges in system monitor and cala\_rex for advanced permissions.



WebConsole: add privilege.

There are a number of privilege types, which can be assigned and configured for each role or user.

For the Components WebServerPermission and MonitoringPermission the permissions are: *user*, *operator* and *admin*.

**Note:** For the Components WebServerPermission and MonitoringPermission you have to insert *yes* as value for allow and leave deny empty.

If you assign privileges for Components WebServerPermission and MonitoringPermission with a higher permission (e.g. Operator) you have to assign the privileges with lower permission also.

E.g.: You assing Operator privilege for MonitoringPermission to a role you must also add User privilege for MonitoringPermission.

Before performing any action, the cala\_rex server checks the actions argument by comparing them with the entries for the users privilege.

Each user privilege consists of two entries: an allow entry and a deny entry. A user is allowed to perform an action, if the argument matches the allow entry and does not match the deny entry.

**Note:** If there is no privileges entry for an action, the action is denied.

The privileges entries consist of a list of possible arguments, separated by the pipe symbol "|". The arguments may contain wildcards, the following wildcards are supported:

- "?" (question mark) matches exactly one character
- "\*" (asterisk/star) matches none or any string

There is currently no way to restrict the access client specific.

The table below describes the existing privileges types:

Privilege name	id in database	Description	Possible values
Actions	action	The CALA_REX action to be allowed. This privilege can for example be used to deny a user from writing files from any application using CALA_REX.	get-file put-file list-files list-clients mkdir exec login
Application	sapplication	The list of applications allowed to run.	calatema calamoma accounting calainstaller paminstaller
File reading	file.read	The files allowed to be read.	filenames
File writing	file.write	The files allowed to be written.	filenames
File executing	file.exec	The files allowed to be executed.	filenames
Accessible cepest archives	cepest.archive	The cepest archives allowed to be used.	filenames of cepest files
Cepest scripts	cepest.script	The cepest scripts (inside the archives) allowed to be executed.	script names
Client IP	client.ip	Describes allowed or denied client ip address	
Desktop IP	desktop.ip	Describes allowed or denied desktop ip address	

Filenames are normalized before they are compared with the privilege settings. Each argument to file.read, file.write, file.execution and cepest.archive is treated as a filename.

- backslashes are transformed into slashes
- $\bullet\,$  ../ and ./ are resolved
- subdirs of  ${\tt CENIT\_ROOT}$  are transformed to relative path names
- all other directories are transformed to absolute path names

# Examples:

Privilege id	allow	deny	Description
application	ntion calatema		Allows the user to execute calatema and only calatema.

Privilege id	allow	deny	Description	
application	calatema calamoma		Allows the user to execute calatema and calamoma.	
application	cala*	calainstaller	Allows the user to execute all applications starting with "cala", but not calainstaller. (This has currently the same effect as the sample above.)	
file.read	*		Allows the user to read all files	
file.read	*	/*	Allows the user to read all files below the CENIT_ROOT directory.	
file.read	/etc/* /tmp/*		Allows the user to read all files from the /etc and /tmp subdirs.	
cepest.script	View* .*		Allows the users to execute all view tasks and the internal tasks needed by calatema.	

User privileges are user specific. There are default settings for the three user groups admin, operator and user. These settings are applied to the user at creation time. They can be adjusted for each user afterwards.

### Default roles deliverd with cala\_rex server:

fsm\_useradmin: full rights for cala\_rex, WebServerPermission and MonitoringPermission on all hosts. The user admin belong to this role

fsm\_admin: full rights for cala\_rex and MonitoringPermission on all hosts. User privileg for WebServerPermission on all hosts

fsm\_operator: operator and user right for cala\_rex, WebServerPermission and MonitoringPermission on all hosts

fsm\_user: user right for MonitoringPermission and WebServerPermission on all host

# Manage roles

To view, create, edit or delete roles click on the submenu Roles in the User Administration menu.



WebConsole: Show roles.

Use the view link (lens) in the admin bar to view, create, edit and delete the privileges of the role. Use the edit link in the admin bar to change the name and description of the role and to define which user should belong to it.

Use the delete link in the admin bar to delete the role.

View privileges for role fsm\_admin (Administrator)



New role privilege Return

WebConsole: View role privileges.

To add a privilege click on new role privilege button.

To adjust a privilege click on edit, to remove it click delete.

Assign privileges to fsm\_admin (Administrator)



WebConsole: add role privilege.

In the dialog, you can specify the privileges allow and deny values for the specified component, hostgroup and privilege.

In the edit dialog the current values are given as default.

# Manage user privileges

To view, create, edit or delete user privileges click on the submenu Users in the User Administration menu.

# View privileges for role fsm\_useradmin (User Administrator)

Component	Hostgroup	Privileg	Description	Allow	Deny
MonitoringPermission	all hosts	Admin	Administrator for Monitoring	yes	
		Operator	Operator for Monitoring	yes	
		User	User for Monitoring	yes	
WebServerPermission	all hosts	Admin	Administrator for WebServer	yes	
		Operator	Operator for WebServer	yes	
		User	User for WebServer	yes	
cala_rex	all hosts	action	Transaction type (see documentation for details)	*	
		application	Application type (installer, calamoma, calatema or *)	*	
		cepest.archive	Permissions Monitor and task archives	*	
		cepest.script	Name of a task or *	*	
		client_ip	Describes allowed or denied client ip address	*	
		desktop_ip	Describes allowed or denied desktop ip address	*	
		file.exec	File execution permission, relevant only for Custom tasks	*	
		file.read	File read permission, relevant for tools Installer, CALAMOMA and CALATEMA	*	
		file.write	File write permission, relevant for tools Installer, CALAMOMA and CALATEMA	*	

# View additional privileges for admin (Administrator)



WebConsole: Show user privileges.

Use the view link (lens) in the admin bar to view, create, edit and delete the privileges of the user which are assigned to him by roles or directly.

Use the edit link in the admin bar to change the name, type, password and description of the user and to define which roles he should belong to.

Use the delete link in the admin bar to delete the privilege.

To add a privilege click on new additional privilege button.

To adjust a privilege click on edit, to remove it click delete.

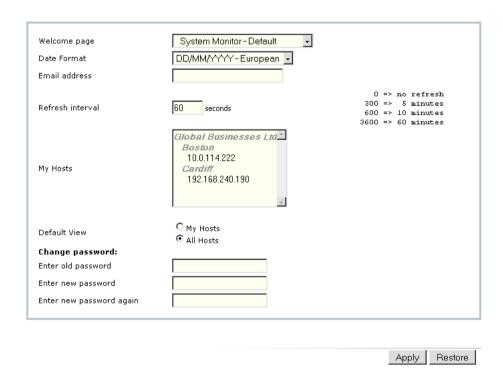
In the dialog, you can specify the privileges allow and deny values for the specified component, hostgroup and privilege.

In the edit dialog the current values are given as default.

# **Preferences**

On this page, users can set their preferences for the WebConsole, and also can change their password.

To change the password, the actual password must be entered once, and the new one twice.



WebConsole: User preferences.

Users can change the welcome page, that is the page that is shown, when the user logs in.

They can select hosts, that should be shown at their personal *My Hosts* pages, and they can define, if that page should be their default hosts view or not.

The date format and refresh interval can also be set.

Every user should also enter a valid email address. This address e.g. can be used, when forwarding events via email.

# **User Administration (authorized users only)**

Select the Users submenu from the User Administration sidebar menu.

With the links in the emerging dialog, users with permission for user administration can define new or manage existing users.



WebConsole: Managing user accounts.

Clicking on the new user link opens the New User view:



WebConsole: New user.

Enter the username, the initial password and description and choose the roles which should belong to the user.

Edit user will display the same form with prefilled fields.

**Note:** For PHP 5 < 5.1.2 only MD5 and SHA1 are supported for ciphering. These could be changed in <CENIT\_ROOT>/htdocs/conf/webtemplate.config.php.

For the privileges of the user see section *User Permissions (admin only)*.

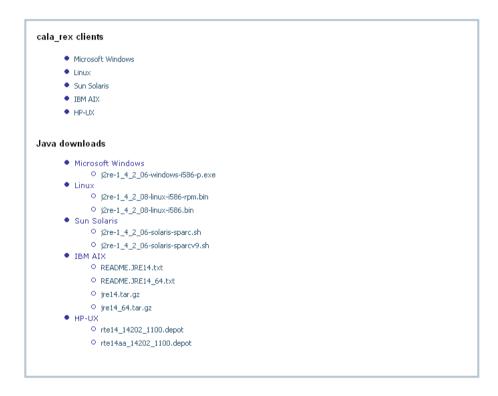
# **Support (admin only)**

The Support link opens a new mail to the company support in your standard mail client or opens a new browser window with the support/home page of the company. The behavior depends on the installed product.

# **Download**

The download page contains the links to all downloads for required software. You can download Java2 1.4 as well as the cala\_rex client software from this page.

### Downloads



WebConsole: Downloads.

# Chapter 5. Knowledgebase

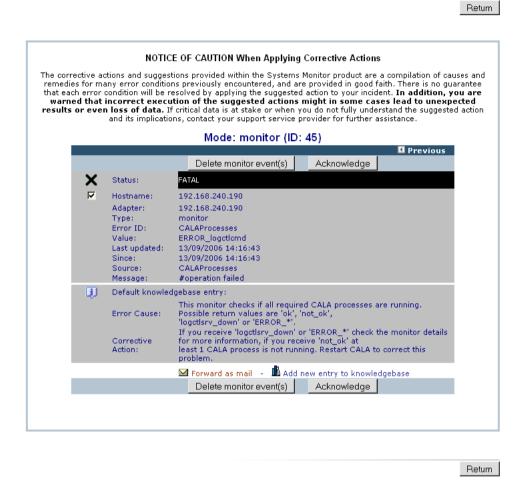
# Introduction

The so called *knowledgebase* is an extensible library of known possible error causes and the corresponding possible corrective actions. It is a quick aid for the operator in the daily work with the WebConsole.

**Note:** The corrective actions and suggestions are a compilation of causes and remedies for many error conditions previously encountered, and are provided in good faith. There is no guarantee that each error condition will be resolved by applying the suggested action to your incident. *In addition, you are warned that incorrect execution of the suggested actions might in some cases lead to unexpected results or even loss of data.* If critical data is at stake or when or when you do not fully understand the usggested action and its implications, contact your support service provider for further assistance.

# **Using the Knowledgebase**

If there is an event, that has at least one entry in the knowledgebase with a machting Errorld, the corresponding knowledgebase entry will be shown in the *More information* view of that event.



Knowledgebase: Show default entry in event view.

The knowledgebase output is divided into two areas: The *Error cause*, and the *Corrective Action*. In the first, there is a (possible) description of the reason, why this error event has been occured. In the second, the user becomes a hint, how to solve the problem, that may have led to the incident.

With the link *Add new entry to knowledgebase*, the user can optionally add a new entry for the Errorld of the shown event, see below.

# **Editing the Knowledgebase**

When selecting the menu entry knowledgebase from the sidebar menu, a new view is shown in the main view of the WebConsole. It shows a single drop down box, to select an area with entries in the knowledgebase. Right from that box, there is a link, that allows adding entries to an area, that has no entries so far.



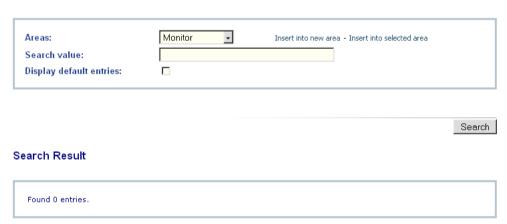
Knowledgebase: Adding entries to the knowledgebase.

**Note:** All entries added by users can be edited and deleted afterwards. The default entries, which are shipped with the product cannot be altered or removed through the WebConsole.

# Adding entries to areas with existing entries

When selecting an area from the list box of areas, an input line to search through the entries of that area will be displayed. The so called default entries will only be shown when the mark in the checkbox Display default entries is set.

### Search Knowledgebase



Knowledgebase: Default entries are hidden per default.

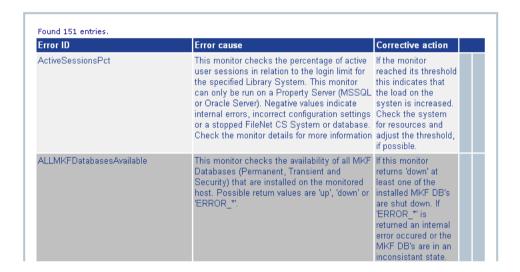
Selecting the search button will start the search. If you leave the input box empty, all entries of the selected area will be found, and displayed.

The result will be displayed right below at the same page.

### Search Knowledgebase



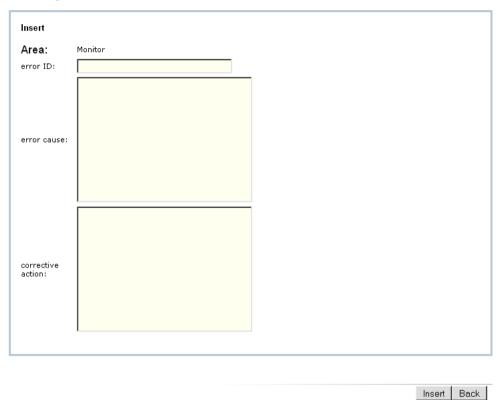
### Search Result



Knowledgebase: Search result, only default entries.

At the right side of the area list box, there is also a second link. Selecting it, the user can add new entries to the selected area.

# Knowledgebase - Insert errors



Knowledgebase: Adding an entry to the selected area.

The shown dialog allows to enter an Errorld, a message for the error cause, and a message for the corrective action. After the fields are filled with the correct values, clicking at the Insert button will add the new entry to the area. The result is shown after the entry has been added to the knowledgebase.

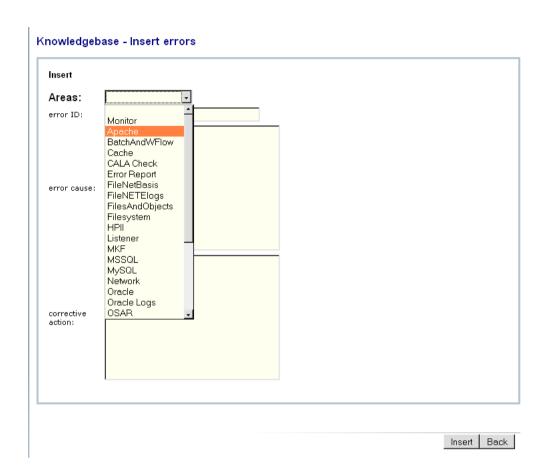
# Search Knowledgebase



Knowledgebase: New entry added.

# Adding entries to new areas

When adding an entry to an area, that has no entries so far, the user must select the area, where to add the entry to.



Knowledgebase: Adding an entry to empty an area.

After the first entry has been added to an area, the area can be selected from the drop down list of the entry page of the knowledgebase.

### Search Knowledgebase



Knowledgebase: New area in list box.

# **Chapter 6. Reporting**

The FSM Reporting component offers a reporting engine for numeric and alphanumeric graphical reporting and text output in ASCII files with comma-separated values. Reporting definitions can be created and saved in the FSM database for ad hoc overviews over a single period or as scheduled reports. Scheduled reports are automatically run by the system in the background. The graphical results are stored on the FSM server. Results of any existing report or of an ad hoc executed report can be displayed in the console.

# Create a new or edit an existing report definition

To generate a new report definition click on Create new in the top menu of Reporting pages. To edit an existing definition use the Run/Edit/Delete link and click the paper-and-pencil symbol of the report definition. If you want to alter an existing report definition, while keeping the original, you can duplicate it with the copy button.

This section decribes the available reporting parameters:

### Title

Give the report definition a self-explaining name. The generated reports can be found with this name at the Result page.

Note: Do not use special characters or spaces here.

### Hosts

This parameter specifies the systems used by the report. Select one or more (by pressing **Ctrl**-key while clicking another host) to subjoin them to your report definition.

### Areas

This select box contains all areas with the associated monitors. Select one or more (by pressing **Ctrl**-key while clicking another monitor) to specify the reporting criteria for your report.

### **Chart Type**

Depending on from what aspect you will view your system and what kind the considered monitors are, select one of the available report types.

- 'availability'-charts give an overview over the status of the selected items during the
  reporting period by displaying the severities. According to the configuration, the result is
  displayed as a time bar with colored slabs for each occurred status, or as step graph,
  where the occurring severities can be read from the height of the step (see Examples of
  generated reports).
- 'numeric'-charts show curves with the numeric values of the selected criteria (This type
  makes no sense for monitors that return only their status information). This type allows the
  threshold selection of a threshold, what marks overstepping of a specified value (see point
  'Threshold' below).
- 'event'-charts are bar charts that show the number of events (count) received from the selected hosts about the chosen criteria within a period. The view of the period is parted in shorter time spans. Beside counting the events at their time of occurrence, it is possible to count them in every part of the period, in what the event endures (or rather: is open). But this 'events open' selection make sense only for monitor events, not for logfile events.

### Start Date

Set the start date of the reporting time in the format YYYY-MM-DD hh:mm:ss here. You can also click the button to the right of the input field, to choose the start date from a calendar.

### Period

In the period box, you can select the time period which the report shall span. Select either 'month', 'week' or 'day'.

### **End Date**

Instead of a period, you can choose a determined date to set the end of the report in the format YYYY-MM-DD.

# **Summary Type**

The summary is an additional, cumulative overview of the chosen elements of the report. Select one of four types of summary. 'maximum' gives the highest value at every moment in the summary graph. 'minimum' does vice versa and 'sum' as well as 'average' speak for itself.

Note: In availability charts only 'maximum' or 'minimum' summary type makes sense.

### Threshold

If you want to add a threshold to numeric charts enter the numeric value in this input field. This will generate red marks, if the value has exceeded (radio box 'orientation' set to 'up') or undertaken (radio box 'orientation' set to 'down') the threshold and green marks, if the value hasn't crossed the threshold.

### Split:

In case of reporting definitions that contain a large number of hosts and/or criteria, the result can be splitted into sections. Select the splitting criteria 'by host' or 'by area'.

When all settings are complete, press the Create or Update button to save the definition. If the specified values define a correct and complete report you will be forwarded to the Run/Edit/Delete window with a list of all report definitions. If one or more settings are incorrect or incomplete an error message will appear at a field with the wrong information.

This example treats the creation of a new report definition. An ad hoc report shall be made, that shows the CPU usage of two machines of a day in February of 2007. The type is set to 'numeric', because the monitor returns the processor usage in percent values. To get a summary of behaviour of both machines, the summary type 'average' is chosen. The entry to Threshold field causes a mark in the result, every time the value oversteps 70%. To toggle threshold, to mark values under 70%, select radio button down, instead of up. In this example the split parameter area is selected to avoid parts, summarizing each host, but only one part, summarizing all hosts in one.

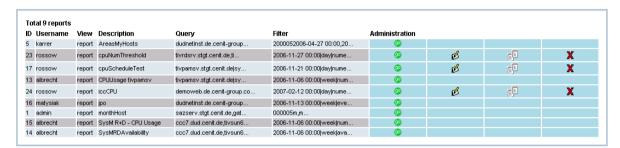
Reporting: Definition of a report.

### Example 6-1. Create a new report definition

# Run a report

A list of all existing report definitions is displayed at the Run/Edit/Delete link. Pick the report you want to execute and click its green go button. After a few seconds (execution time depends on the defined report criteria) the generated report will be saved to the servers filesystem and will appear on screen.

### Reports



Create

Reporting: List of defined reports.

# Define or change a scheduling definition for a report

To run a report definition automatically in intervals, click the Schedule link in the top menu and then the Create button. In the appearing window, you can select one of your report definitions and input the date the report runs the first time. The box let you set the interval ('day', 'week' or 'month') the report is executed again.

Click the Update button to add the definition to the list of scheduled reports.

Note: The execution date defines the earliest time, the report generation may be started. That defines simultanous the end time of the reported period. So the start time of the report definition is for this scheduling overwritten by the date, what lies about one report period (month, week, day or custom - selected in the report definition) before the execution date.

After running the scheduling, the system updates the execution date for next execution, by adding the interval, entered to scheduling definition.

In this example, an existing report definition is selected in the box. This definition will be taken as a base for the results of the schedule: The monitors, the hosts, the type, and the time span are defined by the report definition. All parameters, that have to be given now, are the time, when the reporting shall begin, and the interval, what time lies between two reports.

To schedule a report to run every Monday since the beginning of the year 2007 (first Monday of 2007 was on 2007-01-01), make a report definition that spans one day. Select this definition in the box. The execution date gives the earliest possible date, when the first scheduled report can be filled useful with data. In this example, that date is Tuesday 2007-01-02. So the field 'Execution Date' gives the date of the execution as well as it delimits the reporting period. If you give a report definition with period 'day', to be executed on Tuesday, 2007-01-01, it will make a report about the day that has just ended at this date. Of course, it does not matter, if the

execution date lies in the past. If so, the automatical generating of the report will be made belated within the next 24 hours from now.

Since next report shall be made for Monday, 2007-01-08 - one week later - the interval has to be set to 'week'. After the run of the scheduling on Tuesday, 2007-01-02, the date in the field 'Execution Date' will be automatically updated to Tuesday, 2007-01-09, to generate the report for the Monday before.

Reporting: Add a reporting schedule entry.

### Example 6-2. Create a new scheduling definition

# Show already created reports

Created reports

All available reports are viewable under the Results link on top menu. Choose the period here and the report you want to see spans and you will get a list what will contain the report. Click it, and it will be shown on screen. If report period is not one of the dafault ones (month, week or day), you will find the result in the custom directory.

# Report directory: day • cpuScheduleTest (2006-11-21 - 2006-11-22) • extranetCPU (2007-01-01 - 2007-01-02) • extranetCPU (2007-02-12 - 2007-02-13) • iccCPU (2007-02-12 - 2007-02-13) • liccCPU (2007-02-12 - 2007-02-13)

Reporting: List of created report graphics.

# Suggestions for useful reports

Here are some suggestions, what was useful to define as scheduled reports on your system. Since all of those would be not ad hoc, but scheduled, the start date in report definition is not really important. Only the date of first execution in scheduling definition is important.

- CalaCheck/status: Create an availability report for all your monitored clients. The period should
  be one day, for most precise overview over the availability of your FSM. Summarize them in a
  maximum summary to get the worst value on first sight. Change the 'Split' option to sort the
  result by area. Schedule this report with a dayly interval and you will get a gapless view over all
  your monitored machines.
- If you run a Filenet system, it is always recommendable to keep an eye on your index
  database. An availability report you can define to check the status of the database for the host
  running the database. Choose a period, you think that is ok and schedule it on the same
  interval. Another report you can define for the free table space to see when your database gets

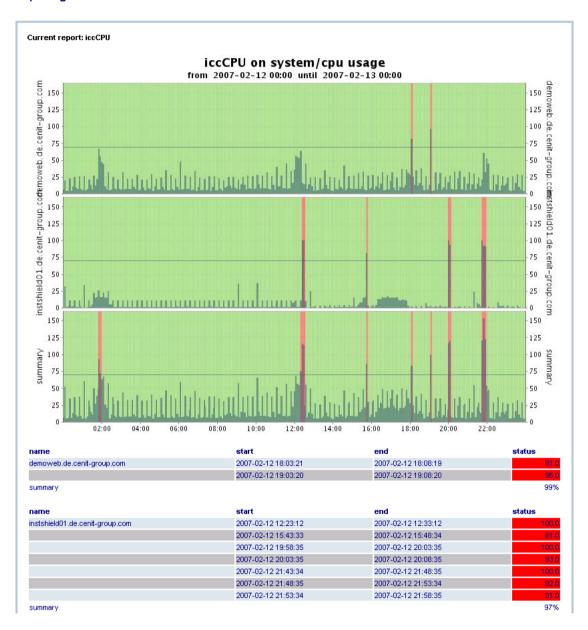
the tendency to run out of space. This would be a numeric report. If the space is not too narrow, a weekly report should do, so choose week as period in report definition and later as scheduling interval. For this report you can set a threshold value of about 80 or 90 percent, to get a red mark in the graphs, as soon as the space gets lean.

 System/CPU usage: Finding performance peaks more easily can be helped with a numeric report over CPU usage for all hosts. This report gives also best oversight when scheduled dayly.

# **Examples of generated reports**

The following example shows a Numeric Report with an defined threshold. Where the threshold value is overstepped, graph is marked red.

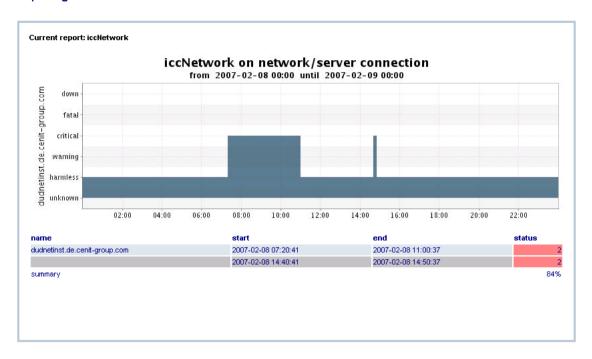
### Reporting



Reporting: Numerical Report with threshold parameter.

The following example shows a Status Report. During the given Period, the monitor had the shown status.

# Reporting



Reporting: Availability (Status) Report.

The following example shows an Event Count report. During the given period occurred the shown number of events.

Reporting: Event Count Report.

# Chapter 7. Working with the FSM Task Execution Manager

# Starting the FSM Task Execution Manager

The Task Execution Manager needs Java2 1.5 or newer runtime environment to be installed. On Microsoft Windows, Java Webstart must also be installed. A JRE 1.6 including Java Webstart for Windows is available on the *Download* page on the FSM web interface.

CALATEMa is started via the FSM web interface. Start your browser and enter

### http://<ServerName>

in its address line (replace < ServerName > with the IP address or hostname of your FSM server).

Log in to the console and click on the Tools entry in the sidebar menu.

When the *Tools* page is displayed, choose the appropriate Task Execution Manager link.

There are two different start methods. If Java Webstart is installed (this is mandatory on Microsoft Windows), choose the Java Webstart link. If the server detects an installed Java Webstart on the client, this is the only link which is shown.

On Unix systems without Java Webstart, the .sh file can be downloaded and started. It uses the OpenJNLP to start the application. The link to the shell script (in parantheses) only appears, if Java Webstart is not installed.

# The CALATEMa main screen

Before the Task Execution Manager starts, a login window for the cala\_rex server is shown:

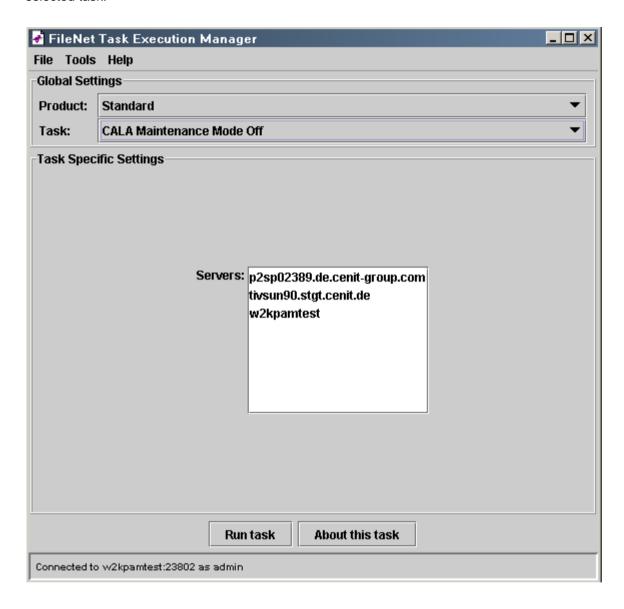


Task Execution Manager: Login dialog.

Log in with a user that has the appropriate permission to execute tasks. The CALATEMa window opens.

The upper part of the Task Execution Manager window shows the list of products that are available for the user. Select the product STANDARD to access the administrative tasks for CALA.

The Task combobox now shows the administrative tasks for CALA. The panel titled Task Specific Settings changes if the task selection changes and shows the parameters for the currently selected task.



Task Execution Manager: Main window.

# The File menu

The Exit entry exits the Task Execution Manager.

# The Tools menu

The View cala\_rex clients... entry shows all clients that are currently connected to the cala\_rex server to which you are logged in.

The Show environment ... entry shows the environment settings of a selected cala\_rex client if a process is executed on that client.

The Login ... entry allows you to login as another user without exiting the Task Execution Manager.

The Add custom task... entry allows you to create custom tasks for execution with CALATEMa. See detailed description below..

The Edit custom task... entry allows you to edit tasks created by the Add custom task ... menu entry..

The Remove custom task... entry allows you to remove tasks created by the Add custom task ... menu entry..

# The Help menu

The Help entry shows global help for the Task Execution Manager.

The About entry shows version information about the Task Execution Manager.

# The Run task button

This button starts the currently selected task. The Task Execution Manager checks if all required fields are filled in. If the task requires confirmation, a dialog is displayed.

# The About this task button

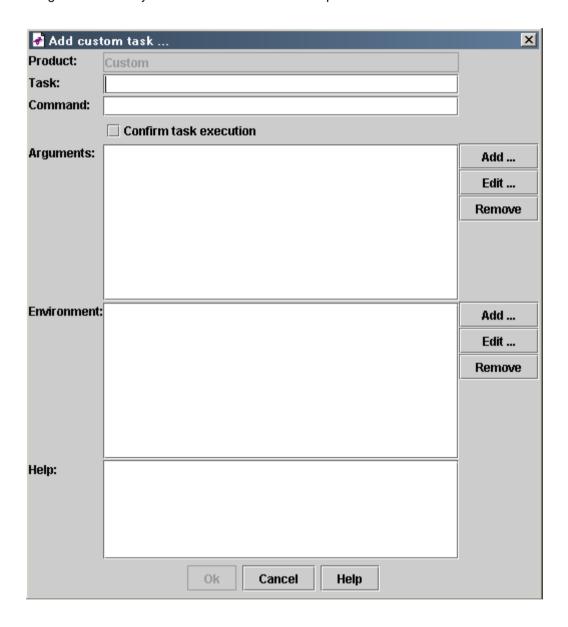
This button shows specific help for the selected task. In this help window, you can find a short description of the task as well as a description of all parameters.

# **Creating custom tasks**

# The Add new task... dialog

If you have the appropriate permission, you can create custom tasks.

Selecting the menu entry Tools—Add custom... task opens this window:



Task Execution Manager: Add new custom task.

### **Product**

Read-only. All custom tasks will be added to the product Custom.

# Task Required

Specify the name of the task. The text you enter here will be shown in the Task listbox in the CALATEMa main window.

### Command Required

Enter the name of the command that must be executed. The command must be located on the server where the task is executed later.

### Confirm task execution

Optional. If you mark this checkbox, a confirmation window will be shown each time the new task is started.

### Arguments

Optional. Use the Add button to add new arguments. Use the Edit button to edit the selected argument. Use the **Remove** button to remove the selected argument. The Add and Edit buttons open the Add argument dialog which is described below.

### Environment

Optional. Use the Add button to add new environment settings. Use the Edit button to edit the selected environment setting. Use the Remove button to remove the selected environment setting. The Add and Edit buttons open the Add setting dialog which is described below.

### Help

Optional. Enter a help text for the new task. The help text is shown if the About this task button in the CALATEMa main window is pressed.

# The Add argument... dialog

In this dialog, you can define a command line argument for the task.



Task Execution Manager: Add arugment for new task.

### Name

Required. Enter the name of the field. The text you enter here will be used as label in the CaALATEMa main window.

### Field has constant value

Optional. Mark this checkbox if no entry field is needed for this argument. The label of the Name field changes to Value because the value you enter in the textfield will always be passed to the task.

### Field is required

Optional. Mark this checkbox if the argument is mandatory. The task cannot be started if the field is left empty.

### Skip field if empty

Optional. Mark this checkbox if the argument need not be passed to the task if it is left empty. If you do not check this option, an empty field will be passed for this parameter if the field is left empty.

# The Add setting... dialog

In this dialog, you can define environment settings for the task.



Task Execution Manager: Define environment for new task.

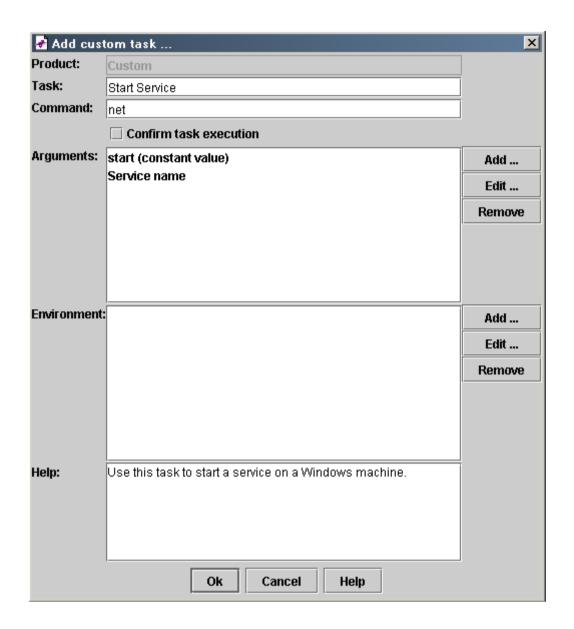
### Name

Required. Enter the name of the environment variable you need to set for the task.

# Example. Custom task Start Service

The following example shows how to define a task that can be used to start services on Windows machines.

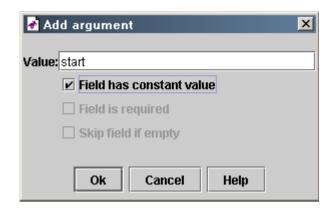
The task is called Start Service. It uses the **net** binary that is located on the Windows machine.



Task Execution Manager: Custom task example.

Two arguments must be passed to the **net** command:

The option start which is defined as a constant value:



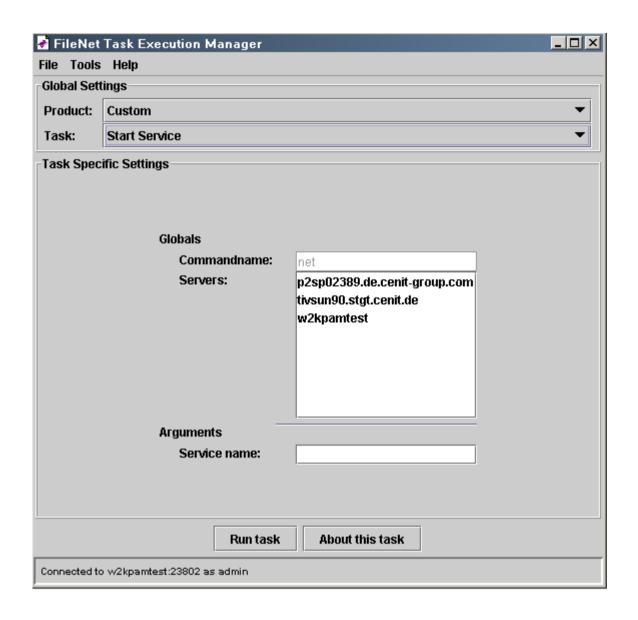
Task Execution Manager: Argument with constant value for new task.

The service name which must always be specified:



Task Execution Manager: Required argument for new task.

After pressing the Ok button in the Add custom task... dialog, the new task is automatically selected:



Task Execution Manager: Custom task created.

# **Editing custom tasks**

After selecting **Tools**—→**Edit custom task...** a dialog is opened where you can choose the task you want to edit.



Task Execution Manager: Edit custom task.

After selecting the task and pressing the Ok button, the task is loaded into the Add custom task... dialog which is described above.

# Removing custom tasks

After selecting Tools—Remove custom task... a dialog is opened where you can choose the task you want to remove.



Task Execution Manager: Remove custom task.

After selecting the task and pressing the Ok button, a dialog is displayed where you must confirm the removal of the selected task.



Task Execution Manager: Remove confirmation dialog.

# **Chapter 8. Administrative Tasks**

# **CALA Maintenance Mode Off**

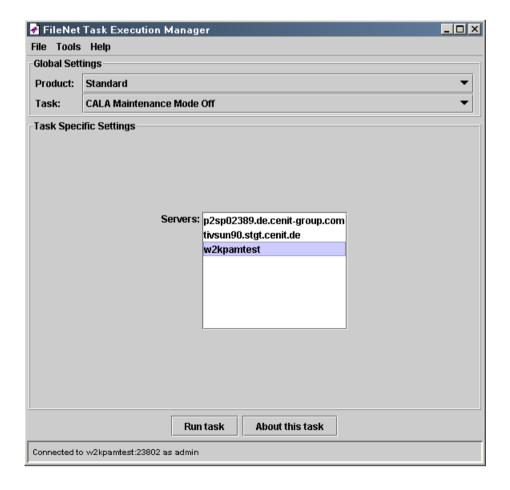
# **Description**

This task switches the FileNet Advanced Logfile Adapter from Maintenance Mode to normal operation mode.

You will find detailed information about CALA Maintenance Mode in the CALA User's Guide.

On NT systems, **logctlcmd** is called directly with parameter <code>maintenance\_off</code>. On all other systems, the respective start script is called to execute the command **logctlcmd** <code>maintenance\_off</code>.

# **Parameters**



Administrative tasks: CALA Maintenance Mode Off.

### Servers

Required. Select all servers where maintenance mode must be switched on.

Note: A confirmation window will be displayed before the task is started on the selected servers.

# **Possible Error Conditions**

- · CALA command not found
- · Error executing CALA command
- · NT only: registry settings not found

# **Sample Output Window**

```
result of task execution on tivhp11i

Log Control Server Command program

Changing to directory '/opt/cenit/cala'.

option settings:
Log Control Server IP address: 10.0.3.206
Log Control Server port: 11020
Log Control Command port: 11021

command is: 'maintenance_off'

switching Log Control Server maintenance mode to OFF

command completed successfully.
```

## **CALA Maintenance Mode On**

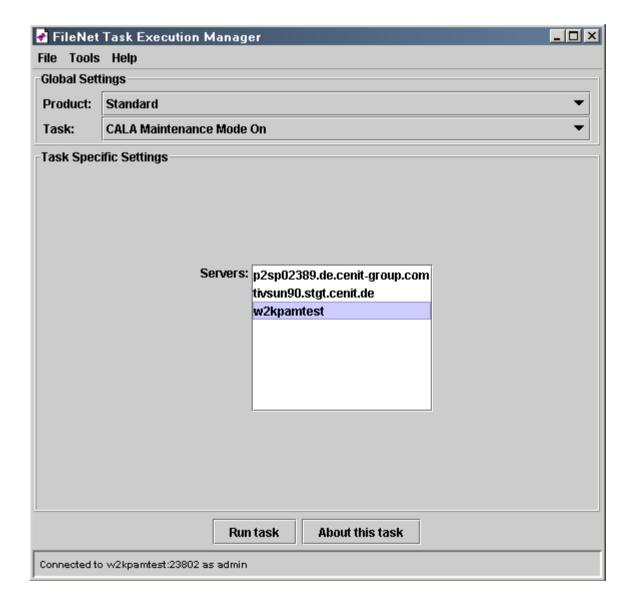
# **Description**

This task switches the FileNet Advanced Logfile Adapter from normal operation mode to Maintenance Mode.

You will find detailed information about CALA Maintenance Mode in the CALA User's Guide.

On NT systems, **logctlcmd** is called directly with parameter <code>maintenance\_on</code>. On all other systems, the respective start script is called to execute the command **logctlcmd** <code>maintenance\_on</code>.

### **Parameters**



Administrative tasks: CALA Maintenance Mode On.

#### Servers

Required. Select all servers where maintenance mode must be switched off.

**Note:** A confirmation window will be displayed before the task is started on the selected servers.

### **Possible Error Conditions**

- · CALA command not found
- · Error executing CALA command
- · NT only: registry settings not found

# **Sample Output Window**

```
result of task execution on tivhp11i

Log Control Server Command program

Changing to directory '/opt/cenit/cala'.

option settings:

Log Control Server IP address: 10.0.3.206

Log Control Server port: 11020

Log Control Command port: 11021

command is: 'maintenance_on'

switching Log Control Server maintenance mode to ON

command completed successfully.
```

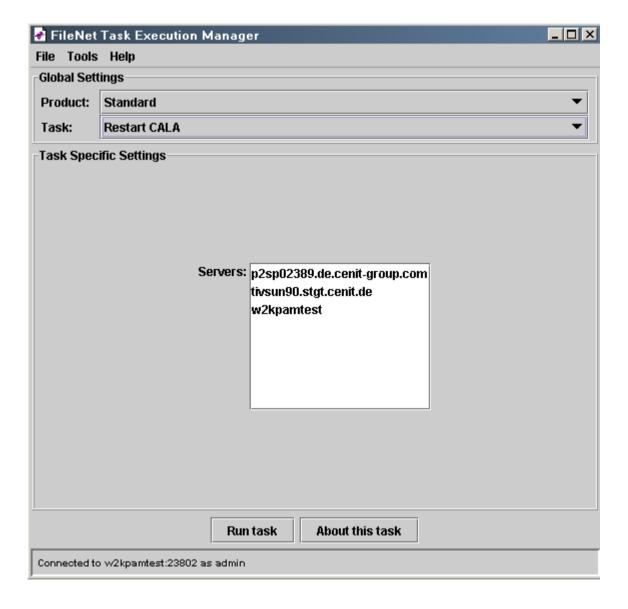
## **Restart CALA**

# **Description**

This task restarts the FileNet Advanced Logfile Adapter without previous stopping of the system.

On NT systems, **logctlcmd** is called directly with parameter <code>restart</code>. On all other systems, the respective start script is called to execute the command **logctlcmd** <code>restart</code>.

### **Parameters**



Administrative tasks: Restart CALA.

Servers

Required. Select all servers where CALA must be restarted.

**Note:** A confirmation window will be displayed before the task is started on the selected servers.

## **Possible Error Conditions**

- · CALA command not found
- · Error executing CALA command
- · NT only: registry settings not found

# **Sample Output Window**

```
_____
result of task execution on tivhp11i
_____
Log Control Server Command program
Changing to directory '/opt/cenit/cala'.
option settings:
Log Control Server IP address: 10.0.3.206
Log Control Server port: 11020
Log Control Command port: 11021
command is: 'restart'
restarting Log Control Server ...
Log Control Server process detected
requesting Log Control Server shutdown ...
shutdown pending
shutdown complete
Log Control Server successfully launched
startup confirmed
startup complete
command completed successfully.
```

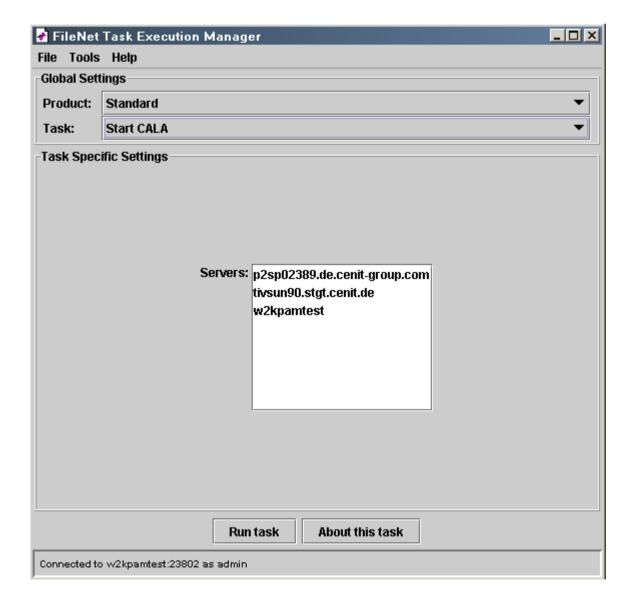
## **Start CALA**

# **Description**

This task starts the FileNet Advanced Logfile Adapter.

On NT systems, CALA is always started as service (**net** start cala\_srv). On all other systems, the respective start script is called to execute the command **logctlcmd** startup.

## **Parameters**



Administrative tasks: Start CALA.

Servers

Required. Select all servers where CALA must be started.

**Note:** A confirmation window will be displayed before the task is started on the selected servers.

### **Possible Error Conditions**

- · CALA command not found
- · Error executing CALA command
- · NT only: registry settings not found

# **Sample Output Window**

```
_____
result of task execution on tivhp11i
_____
Cenit Advanced Logfile Adapter will be started now....
Log Control Server Command program
Changing to directory '/opt/cenit/cala'.
option settings:
Log Control Server IP address: 10.0.3.206
Log Control Server port: 11020
Log Control Command port: 11021
command is: 'startup'
Log Control Server successfully launched
startup confirmed
startup complete
command completed successfully.
Cenit Advanced Logfile Adapter successfully started
```

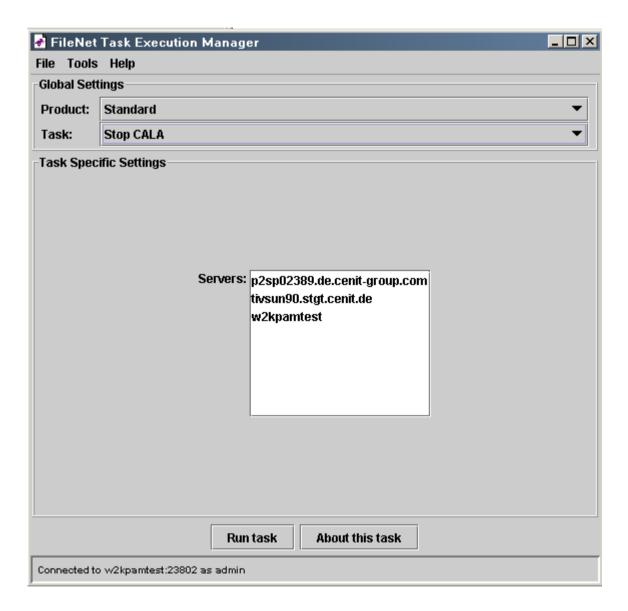
# **Stop CALA**

# **Description**

This task stops the FileNet Advanced Logfile Adapter.

On NT systems, **logctlcmd** is called directly with parameter *shutdown*. On all other systems, the respective start script is called to execute the command **logctlcmd** *shutdown*.

### **Parameters**



Administrative tasks: Stop CALA.

Servers

Required. Select all servers where maintenance mode must be stopped.

**Note:** A confirmation window will be displayed before the task is started on the selected servers.

## **Possible Error Conditions**

- · CALA command not found
- · Error executing CALA command
- · NT only: registry settings not found

# **Sample Output Window**

```
_____
result of task execution on tivhp11i
_____
Cenit Advanced Logfile Adapter will be stopped now....
Log Control Server Command program
Changing to directory '/opt/cenit/cala'.
option settings:
Log Control Server IP address: 10.0.3.206
Log Control Server port: 11020
Log Control Command port: 11021
command is: 'shutdown'
Log Control Server process detected
requesting Log Control Server shutdown ...
shutdown pending
shutdown complete
command completed successfully.
Cenit Advanced Logfile Adapter successfully stopped
```

## **View CALA Status**

# **Description**

This task displays the current status of the FileNet Advanced Logfile Adapter. All internal CALA parameters and status information are displayed.

On NT systems, **logcticmd** is called directly with parameter *status*. On all other systems, the respective start script is called to execute the command **logcticmd** <code>status</code>.

### **Parameters**



Administrative tasks: Show status of CALA.

#### Servers

Required. Select all servers shere maintenance mode must be switched off.

### **Possible Error Conditions**

- · CALA command not found
- · Error executing CALA command
- · NT only: registry settings not found

### **Sample Output Window**

Note: This sample output only shows some sections of the complete CALA status output.

```
result of task execution on tivhplli
_____
Log Control Server Command program
Changing to directory '/opt/cenit/cala'.
option settings:
Log Control Server IP address: 10.0.3.206
Log Control Server port: 11020
Log Control Command port: 11021
command is: 'status'
requesting Log Control Server status report ...
incoming status report
LOGCTLSRV Status Report
Server 'ascfileread'
  'ascfileread' 'checked' = '1'
  'ascfileread' 'run' = 'ascfileread -E -H tivhp11i -AB 127.0.0.1 -P 11 /
001'
  'ascfileread' 'port' = '11001'
  'ascfileread' 'targets' = 'v2fmtfilt'
  'ascfileread' 'pathlist' =
'1;/usr/cs53/filenet/Verity/data/host/log;2;/usr/cs53/filenet/Verity/da /
ta/host/log;3;/usr/cs53/filenet/Verity/data/services/CS_TIVHP11I_cstivh /
p_K2Server/log;4;/usr/cs53/search/filenet/cstivhp/Content/index;5;/usr/ /
cs53/filenet/Verity/data/services/CS_TIVHP11I_cstivhp_K2Broker/log;6;/u /
sr/cs53/search/filenet/cstivhp/Content/index'
  'ascfileread' 'ptrnlist' =
'1;audit.log;2;status.log;3;status.log;4;csi*.log;5;status.log;6;index* /
```

```
.log′
  'ascfileread' 'assoc' =
'1;1;v2;veritylog;2;2;v2;veritylog;3;3;v2;veritylog;4;4;v2;fndslog;5;5;
v2; veritylog; 6; 6; v2; fndslog'
  'ascfileread' 'conf' = 'port;run;targets;pathlist;ptrnlist;assoc'
  'ascfileread' 'is_local' = '1'
  'ascfileread' 'ip' = '10.0.3.206'
  'ascfileread' 'process' = '4007D9A0'
  'ascfileread' 'running' = '1'
  'ascfileread' 'setup' = '1'
  'ascfileread' 'adapter(s)_bound_to' = '127.0.0.1'
  'ascfileread' 'version' = '2.2'
  'ascfileread' 'startup_time' = '2005:02:17:09:09:58'
  'ascfileread' 'up_time' = '0000:00:00:00:00:02'
  'ascfileread' 'flags' = '0000'
  'ascfileread' 'revision' = '2.02-020'
  'ascfileread' 'stat_target_v2fmtfilt' = 'known'
  'ascfileread' 'stream_571576D8_status' = 'FESTAT_WAITING'
  'ascfileread' 'stream 571576D8 sequence' = '9'
  'ascfileread' 'stream_571576D8_name' = '/usr/cs53/filenet/Verity/data /
/host/log/status.log'
  'ascfileread' 'stream_D9354FAF_status' = 'FESTAT_WAITING'
  'ascfileread' 'stream_D9354FAF_sequence' = '12'
  'ascfileread' 'stream_D9354FAF_name' = '/usr/cs53/filenet/Verity/data /
/host/log/audit.log'
  'ascfileread' 'stream_9919710E_status' = 'FESTAT_WAITING'
  'ascfileread' 'stream_9919710E_sequence' = '212'
  'ascfileread' 'stream_9919710E_name' =
'/usr/cs53/filenet/Verity/data/services/CS_TIVHP11I_cstivhp_K2Server/lo /
g/status.log'
  'ascfileread' 'stream_44A6CCA8_status' = 'FESTAT_WAITING'
  'ascfileread' 'stream_44A6CCA8_sequence' = '120'
  'ascfileread' 'stream_44A6CCA8_name' =
'/usr/cs53/filenet/Verity/data/services/CS_TIVHP11I_cstivhp_K2Broker/lo /
g/status.log'
  'ascfileread' 'stat_target_v2fmtfilt_ip_addr' = '127.0.0.1'
  'ascfileread' 'stat_target_v2fmtfilt_ip_port' = '11004'
  'ascfileread' 'stat_target_v2fmtfilt_status' = 'connected'
  'ascfileread' outbound queue: O entries waiting
(...)
Server 'remote_calmon'
  'remote_calmon' 'checked' = '1'
  'remote_calmon' 'ip' = '10.0.114.161'
  'remote_calmon' 'port' = '11009'
  'remote_calmon' 'conf' = 'ip;port'
  'remote_calmon' 'is_local' = '0'
  'remote_calmon' 'process' = 'remote'
  'remote_calmon' outbound queue: 0 entries waiting
configuration
  'controller_ip' = '10.0.3.206'
  'controller_port' = '11020'
  'logctlsrv_port' = '11020'
  'logctlcmd_port' = '11021'
  'serverlist' = 'ascfileread, v2fmtfilt, oracleread, calamon, remote_calmo /
```

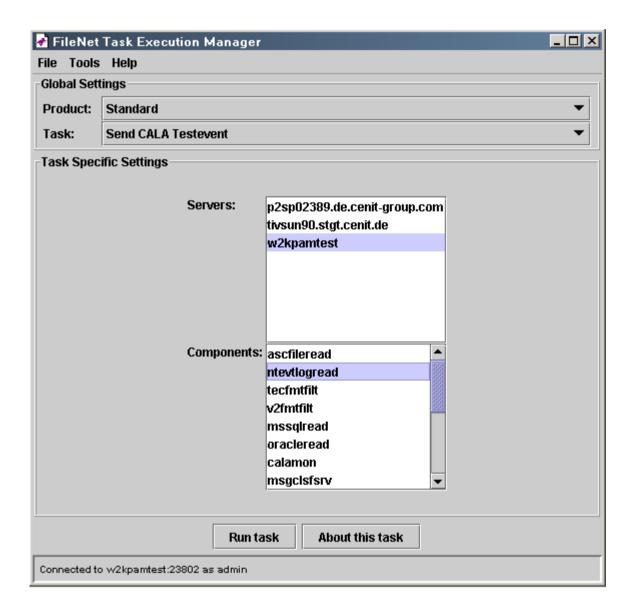
```
n′
  'ascfileread' = 'run!ascfileread -E -H tivhp11i -AB 127.0.0.1 -P
11001,port!11001,targets!v2fmtfilt,pathlist!1;/usr/cs53/filenet/Verity/
data/host/log;2;/usr/cs53/
filenet/Verity/data/host/log;3;/usr/cs53/filenet/Verity/data/services/C /
S_TIVHP11I_cstivhp_K2Serve
r/log;4;/usr/cs53/search/filenet/cstivhp/Content/index;5;/usr/cs53/file /
net/Verity/data/services/C
S_TIVHP11I_cstivhp_K2Broker/log;6;/usr/cs53/search/filenet/cstivhp/Cont /
ent/index,ptrnlist!1;audit
.log;2;status.log;3;status.log;4;csi*.log;5;status.log;6;index*.log,ass /
oc!1;1;v2;veritylog;2;2;v2
;veritylog;3;3;v2;veritylog;4;4;v2;fndslog;5;5;v2;veritylog;6;6;v2;fnds
log,conf!port;run;targets;
pathlist;ptrnlist;assoc'
  'v2fmtfilt' = 'run!v2fmtfilt -AB 127.0.0.1 -ZCREATE_STATUS_EVENTS=1 - /
11004,port!11004,targets!remote_calmon,formatlist!fndslog;fmt/fndslog.v 🗸
2s; veritylog; fmt/veritylog
.v2s,conf!port;run;targets;formatlist'
  'oracleread' = 'run!oracleread -E -H tivhp11i -AB 127.0.0.1 -
ZCREATE STATUS EVENTS=1 -P
11006,port!11006,targets!remote_calmon,db_log_types!db_CSTIVHP_cstivhp. 🗸
AUDIT_LOG,conf!port;run;ta
rgets;db_log_types'
  'db_CSTIVHP_cstivhp.AUDIT_LOG' =
'dbuser!cstivhp_fnsw;00000200001b13001000052800,database!CSTIVHP,table! /
cstivhp.AUDIT_LOG,db_entry
_id!AL_DATETIME;ASCE,map!AL_PROCESSID;pid;AL_STATUS;AL_STATUS;AL_WORKST /
ATN_ADDR; workstation; AL_EV
ENT_PARAM1; msg; AL_EVENT_PARAM2; AL_EVENT_PARAM3; PARAM3; AL_EVENT_P
ARAM4; PARAM4; AL_USER; USER,
type!tec;fnds_auditlog,timestamp!AL_DATETIME,classmap!misc/fnds_auditlo /
g_class.map;AL_EVENT_ID,co
py_unmapped!0,defaultclass!FNDS_AUDITLOG_Error,pollinterval!30'
  'calamon' = 'run!calamon -H tivhp11i -AB 127.0.0.1
-ZHEARTBEAT_PERIOD=60 -ZCREATE_STATUS_EVENTS=1 -P
11007, port!11007, targets!remote_calmon,cmdtab!misc/cmdtab_merged.ctb,cm /
dline_slot!$LOGFILENAME,co
nf!port;run;targets;cmdtab;cmdline_slot'
  'remote_calmon' = 'ip!10.0.114.161,port!11009,conf!ip;port'
environment
  'CALA_DIR' = '/opt/cenit/cala'
  'CALA_CACHE_DIR' = '/opt/cenit/cala/.calacache'
  'PATH' =
'/opt/cenit/cala:/usr/ora/920/bin:/fnsw/bin:/fnsw/etc:/fnsw/lib/perf:/f 📈
nsw/support:/bin:/usr/sbin
:/sbin:/usr/bin:/usr/local/bin:/etc:/usr/bin/X11:/bin:/usr/ora/920/bin: /
/opt/langtools/bin:.'
  'INTERP' = 'hpux10'
  'BINDIR' = '/opt/cenit/john/tools'
input queue: 0 entries waiting
schedule queue: 0 entries waiting
pending outbound queues
  10.0.3.206:11021
```

outbound packets: 0 entries waiting

command completed successfully.

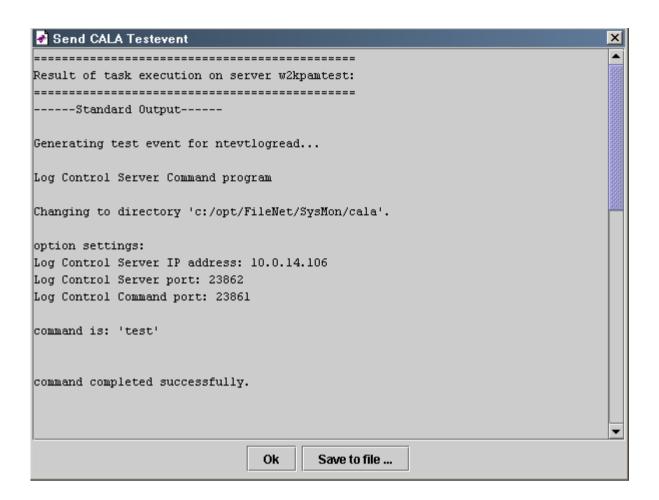
# **Send CALA Test Events**

Through this task, it is possible to send specific test events to selected hosts.



Adminstrative tasks: Sending test events with CALA.

The result will be shown in a newly opened dialog.



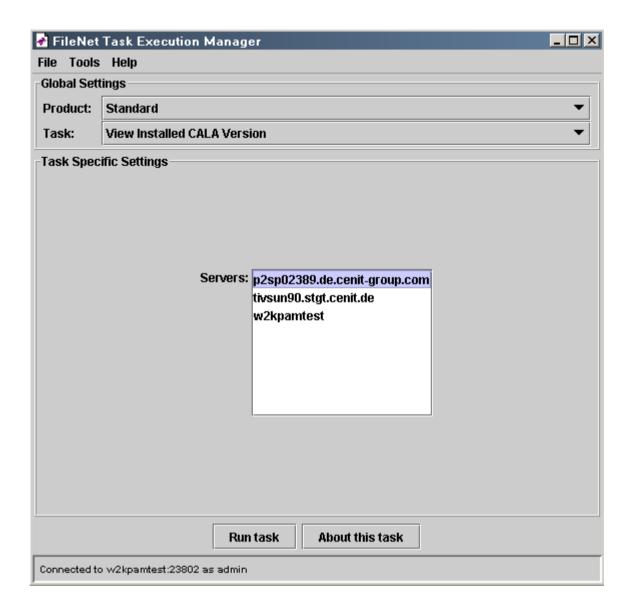
Administrative tasks: Results for CALA test events.

# **View Installed CALA versions**

# **Description**

This task shows the version number of all CALA components that are installed on a subscriber.

### **Parameters**



Administrative tasks: Show installed version of CALA.

### Servers

Required. Select all servers where the CALA version must be displayed.

### **Possible Error Conditions**

- · Cannot find CALA configuration
- · Cannot determine component list

## **Sample Output Window**

\_\_\_\_\_

```
result of task execution on tivhp11i
Log Control Server Command program
Changing to directory '/opt/cenit/cala'.
       *****
       ** logctlcmd is part of the CENIT Advanced Logfile Adapter
       ** version: 2.02-020 - generation date: Jul 7 2004 13:01:35
       ** (c) 1999-2003 CENIT AG Systemhaus
       ** logctlsrv is part of the CENIT Advanced Logfile Adapter
       ** version: 2.02-020 - generation date: Jul 7 2004 12:58:31
       ** (c) 1999-2003 CENIT AG Systemhaus
       ** ascfileread is part of the CENIT Advanced Logfile Adapter
       ** version: 2.02-020 - generation date: Jul 7 2004 12:51:03
       ** (c) 1999-2003 CENIT AG Systemhaus
       *****************
       ** v2fmtfilt is part of the CENIT Advanced Logfile Adapter
       ** version: 2.02-020 - generation date: Jul 7 2004 12:56:01
                                                              * *
                                                               * *
       ** (c) 1999-2003 CENIT AG Systemhaus
       ****************
       ** oracleread is part of the CENIT Advanced Logfile Adapter
       ** version: 2.02-020 - generation date: Jul 7 2004 12:51:21
       ** (c) 1999-2003 CENIT AG Systemhaus
```

\*\* calamon is part of the CENIT Advanced Logfile Adapter

```
**

** version: 2.02-020 - generation date: Jul 7 2004 12:50:36

**

**

** (c) 1999-2003 CENIT AG Systemhaus

**

**
```

# **Appendix A. Licenses**

# **Overview**

FileNet System Monitor 4.0.0 includes software from the following sources, and the use of this product is subject to the licenses associated with those embedded software products as described in the following pages.

Product/Library	URL	License
MySQL	http://www.mysql.com	MySQL Commercial License
Apache	http://httpd.apache.org/	The Apache Software License
PHP	http://www.php.net	The PHP License
win-bash	http://win-bash.sf.net	The GNU Public License
cygwin	http://www.cygwin.com	Cygwin API Licensing Terms, The GNU Public License
Perl for windows	ftp://theoryx5.uwinnipeg.ca/pub/other See also: http://www.perl.com	Dual licensed: The Artistic License or The GNU Public License
OpenJNLP	Mozilla Public License 1.1 (MPL 1.1)	
UnxUtils	http://unxutils.sourceforge.net/	The GNU Public License
Java JRE (Java Runtime Environment)	http://www.java.com	JavaTM 2, Standard Edition (J2SETM) Specification (Specification)
Java JRE (Java Runtime Environment)	http://java.com/en/download/license.jsp	Sun Microsystems, Inc. Binary Code License Agreement
Pari GP	http://pari.math.u-bordeaux.fr/	The GNU Public License (only version <= 1.39)
libxml2	http://www.xmlsoft.org/	The MIT License
net-snmp	http://www.net-snmp.org/	Net-SNMP License
OpenSSL	http://www.openssl.org/	OpenSSL License
java tar	http://www.trustice.com/java/tar	Public Domain
common.net	http://jakarta.apache.org/commons/net	The Apache Software License
cookswing	http://cookxml.sourceforge.net/cookswing	CookSwing License
Log4J	http://logging.apache.org/	The Apache Software License
Xerces2	http://xerces.apache.org/	The Apache Software License, SAX LICENSE, W3C® SOFTWARE NOTICE AND LICENSE
JBCL	http://www.borland.com/	BORLAND JBUILDER PROFESSIONAL VERSION 5

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# RSA Security Releases RSA Encryption Algorithm into Public Domain

http://www.rsasecurity.com/press\_release.asp?doc\_id=261&id=1034

"c = me mod n" Made Available Two Weeks Early

**BEDFORD, MA., Wednesday, September 06, 2000** — RSA® Security Inc. (NASDAQ: RSAS) today announced it has released the RSA public key encryption algorithm into the public domain, allowing anyone to create products that incorporate their own implementation of the algorithm. This means that RSA Security has waived its rights to enforce the patent for any development activities that include the RSA algorithm occurring after September 6, 2000.

Represented by the equation " $c = m^e \mod n$ ," the RSA algorithm is widely considered the standard for encryption and the core technology that secures the vast majority of the e-business conducted on the Internet. The U.S. patent for the RSA algorithm (# 4,405,829, "Cryptographic Communications System And Method") was issued to the Massachusetts Institute of Technology (MIT) on September 20, 1983, licensed exclusively to RSA Security and expires on September 20, 2000.

"So much misinformation has been spread recently regarding the expiration of the RSA algorithm patent that we wanted to create an opportunity to state the facts," said Art Coviello, chief executive officer of RSA Security. "RSA Security's commercialization of the RSA patent helped create an entire industry of highly secure, interoperable products that are the foundation of the worldwide online economy. Releasing the RSA algorithm into the public domain now is a symbolic next step in the evolution of this market, as we believe it will cement the position of RSA encryption as the standard in all categories of wired and wireless applications and devices. RSA Security intends to continue to offer the world's premier implementation of the RSA algorithm and all other relevant encryption technologies in our RSA BSAFE® software solutions and we remain confident in our leadership in the encryption market."

The MD5 code can be downloaded here: http://www.faqs.org/rfcs/rfc1321.html

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## Appendix B. How To...

#### How to add a new machine to the console

To add a new machine to the Webconsole, perform the following steps:

- install the cala-rex client (refer to the FileNet System Monitor Installation Guide)
- install cala (see chapter (refer to the FileNet System Monitor Installation Guide)
- add the machine to the Webconsole (see chapter *Working with the WebConsole*, section *Manage Hosts, Departments and Companies (admin only)*)

#### How to add a new area to the console

The steps how to create a new area are described in chapter *Working with the WebConsole*, section *Manage Areas (admin only)*.

# **Appendix C. Version information**

This documentation applies to internal version 1.03-003.