IBM FileNet System Monitor 4.0.1.6

IBM

FSM Task Guide Addon Tasks (SC19-3112-00)

Note

Before using this information and the product it supports, read the information in "Notices"at the end of this document.

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Preface

About this document

Who should read this guide?

The target audience for this guide are those who install or maintain FSM environments.

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

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

Before you start

Users of the guide should have knowledge about Unix and/or Microsoft Windows® operating system, web servers, database systems and middleware platforms. The configuration of managed systems (clients) requires advanced knowledge of all IBM ECM systems that should be monitored.

If you lack the requisite skill sets it is strongly recommended to have IBM Lab Services or a certified ValueNet Partner install this product.

Where you find this guide

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

UNIX: `<Mount point>/INSTALL/docs`

Windows: `<Drive letter>:\INSTALL\docs`

Feedback on documentation

Send your comments by e-mail to comments@us.ibm.com. Be sure to include the name of the product, the version number of the product, and the name and part number of the book (if applicable). If you are commenting on specific text, include the location of the text (for example, a chapter and section title, a table number, a page number, or a help topic title).

Working with the Task Execution Manager

## Starting the Task Execution Manager (CalaTEMa)

The Task Execution Manager needs a Java 1.4 runtime environment to be installed. On Microsoft Windows, Java Web Start must also be installed. A JRE 1.4 including Java Web Start 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 choose the **Tools** link in the frame on the left.

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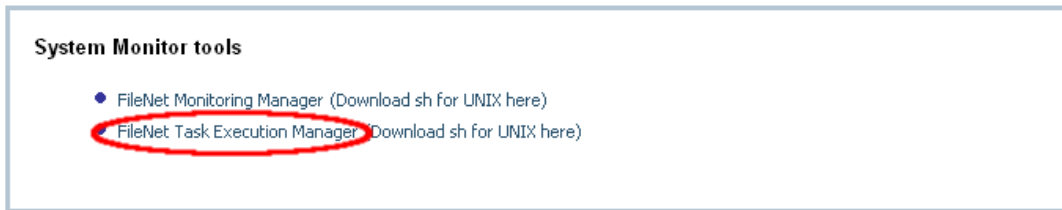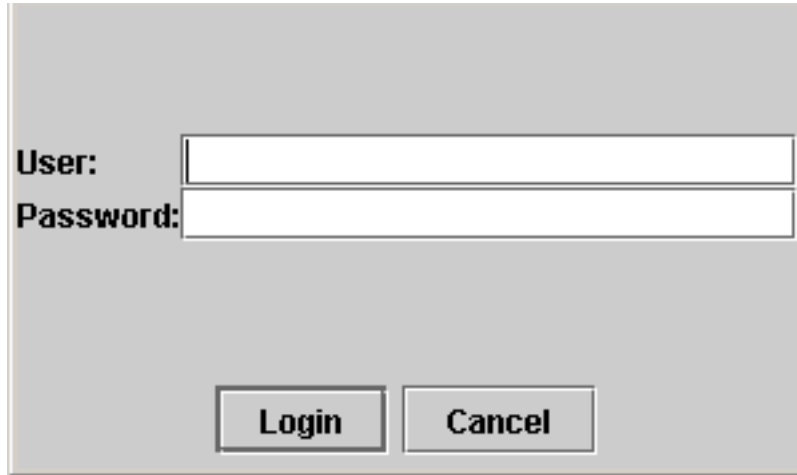
Launch Task Execution Manager

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

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

The CalaTEMa main screen

Before the Task Execution Manager starts, a login window for the cala_rex server is shown:

Login

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.

The **Tasks** combobox shows the administrative tasks for the selected product. The panel titled **Task Specific Settings** changes if the task selection changes and shows the parameters for the currently selected task.
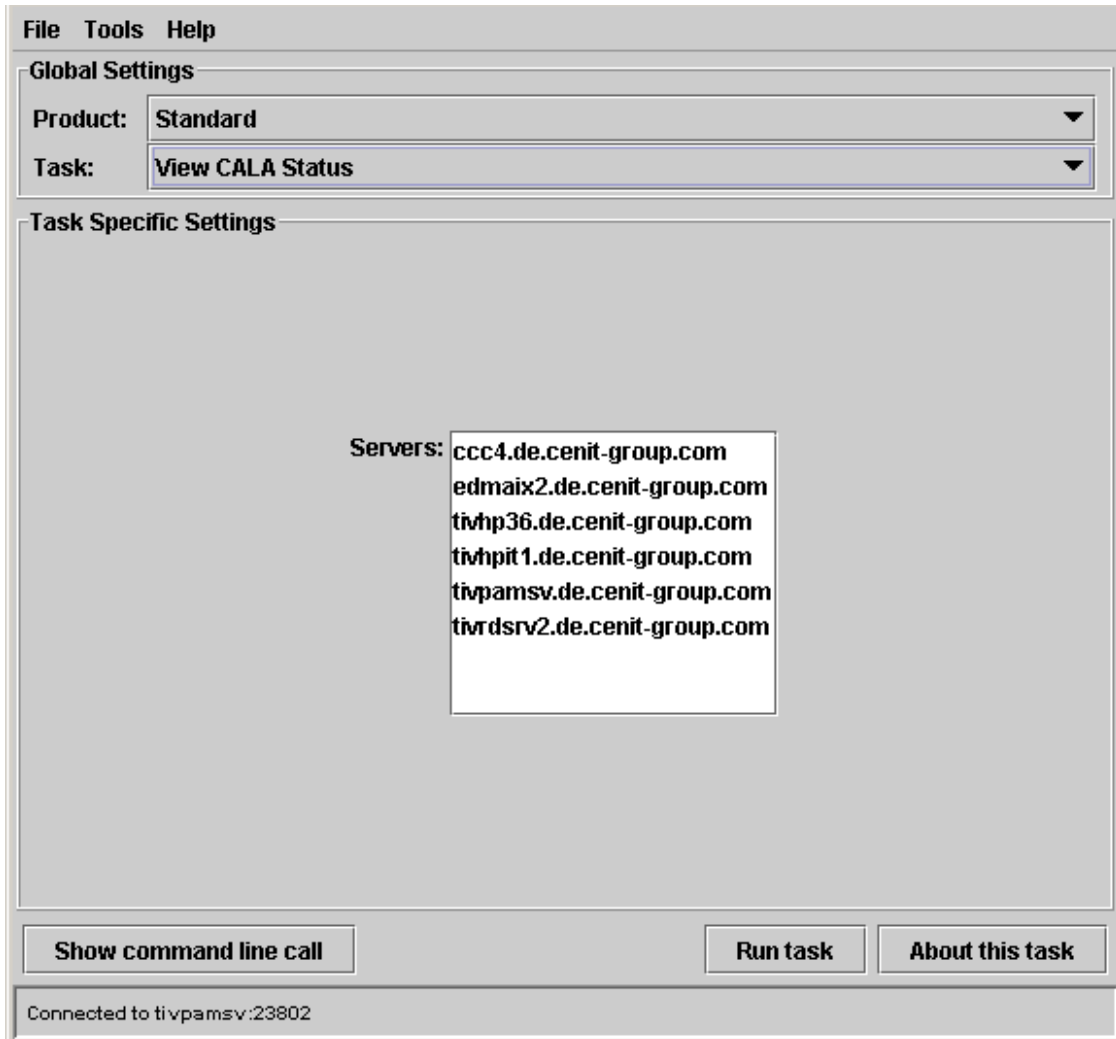
Main window

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 Show command line call button

This button displays a script with the command line call for the selected task including the given parameters. The script can be saved to a file and can be executed manually.

> **NOTE** The displayed script is intended to run on the cala_rex server. To run it on a client, save the script and adjust the setting of the CENIT_ROOT variable to match the setting on the client where the command line call must be started.

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:

Add custom

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.

Add argument dialog

Name
> Required. Enter the name of the field. The text you enter here will be used as label in the CalaTEMa 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.
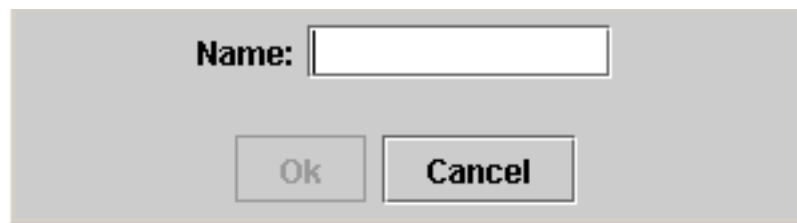
Add setting dialog

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.

Example - Add custom task

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

The option start which is defined as a constant value:

Example - Add argument 1

The Service name which must always be specified:

Example - Add argument 2

After pressing the **Ok** button in the **Add custom task** dialog, the new task is automatically selected:
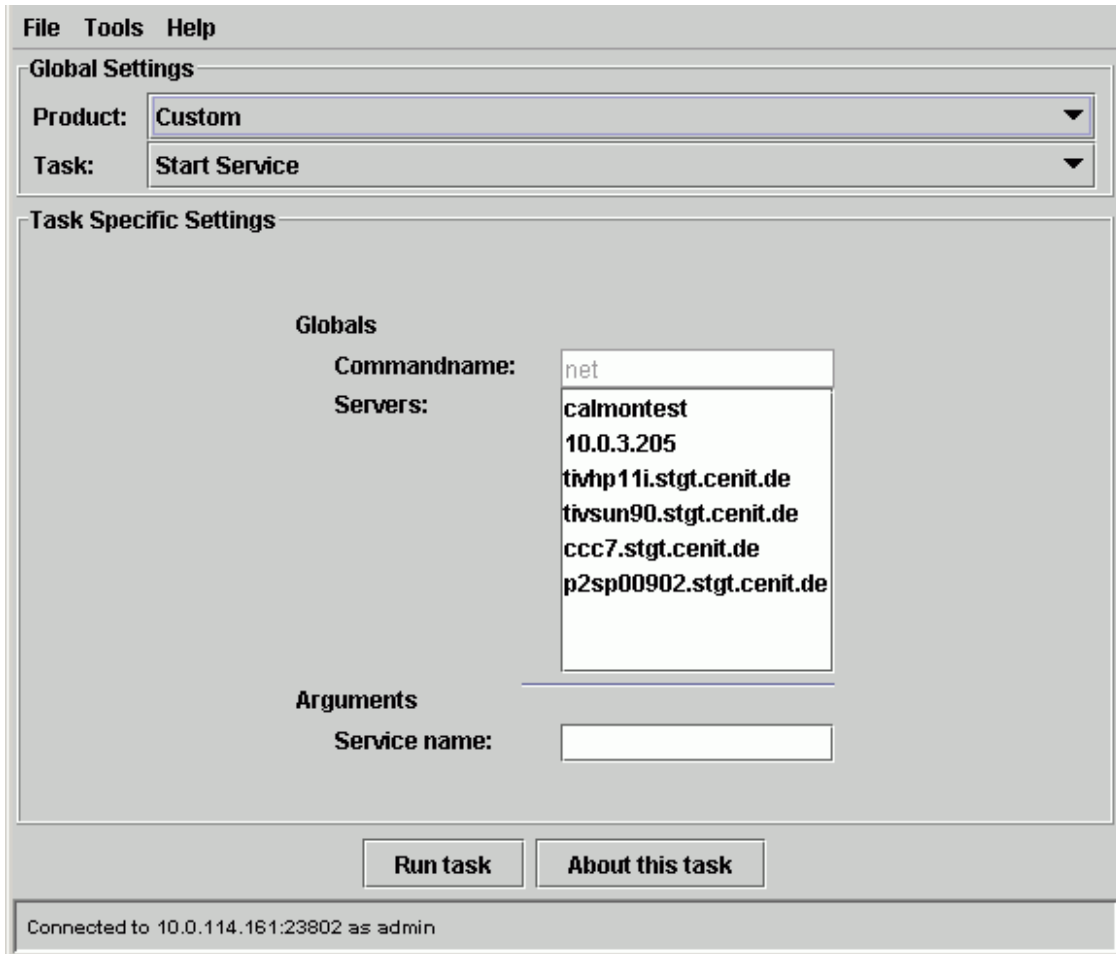
Example - Resulting custom task

Editing custom tasks

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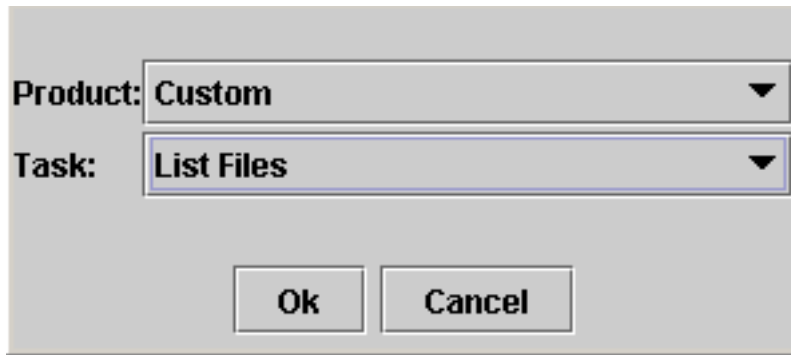
Edit custom

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.
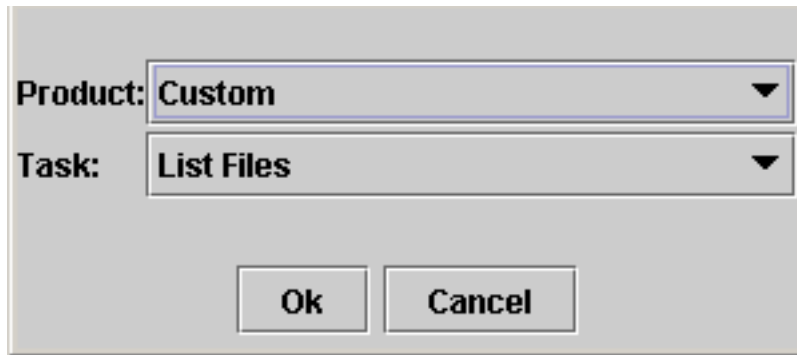
Remove custom

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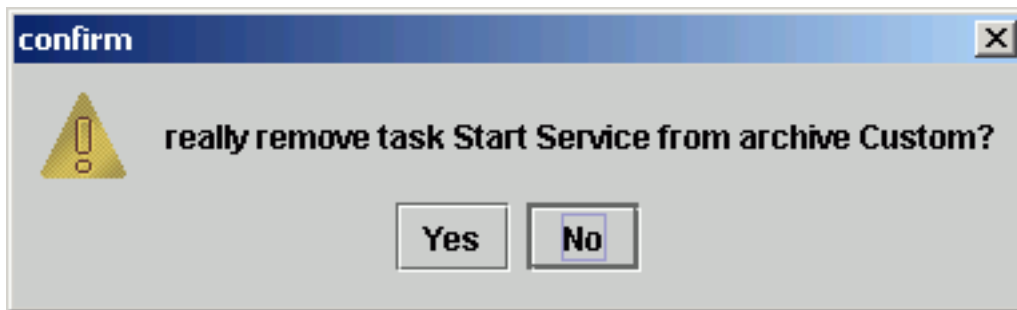
Confirm dialog for Remove-

Administrative Tasks

View FileNet Listener Licences

Description

This task can analyze the output of the Listener concerning the licencing in many different ways:

- Return whether the licence requests or the count of people who requested a licence.

- Request the data with pre defined time parameters or give an individual time setting to the program.

- Return all received output or filter out the maximum value or only return the values which are greater than a given threshold.

- Return detailed lists or disable details.

- Return as human readable list or in CSV format.

Parameters

File   Tools   Help

Global Settings

| Product: | IBM FileNet Additional Components | ▼ |
| Task: | View FileNet Listener Licences | ▼ |

Task Specific Settings

Servers: cenit-test

[Host]: localhost

[Port]: 32775

[Java Path]:

[Application Names]:

Request Type: USAGE - Number of RPC calls ▼

Start Time:

[End Time]:

Run Option: ALL - Return all parameters ▼

Details: On ▼

[Threshold]:

Output Mode: NORMAL - Readable for humans ▼

Run task   About this task

Connected to 192.168.240.145:23802 as admin

View FileNet Listener Licences

Servers (mandatory)
Select the server(s) where the task must be started.

Host (optional)
The hosts name or IP address. If no host is entered, the program will chose localhost as default.

> **NOTE** This is NOT the server where this task will be executed on!

This name or IP address will be used for the Listener request.

Port (optional)
The hosts port. If no port is given, the program will chose 32775.

Java path
Required. Specify the path to the Java bin directory.

ApplicationNames (optional)
This are the applications whose return data shall be requested. Several Application names can be given as a semi colon separated list. No wildcards are allowed, the full name of the application must be given. If no application name is given, every value from the output will be compared.

RequestType (mandatory)
There are two different values which can be requested by the monitor.

- LICENCE
  Will request how many different users used a licence in a period of 15 minutes. The maximum of these values can be analyzed with the monitor.

- USAGE
  Will request how many requests on licences have been made within 15 minutes.

Start Time (mandatory)
This parameter field can handle some pre defined time configuration options. The following options are available.

- NOW - The values for the last 15 minutes are requested (No detailed output available here).

- TODAY - Request data from the actual day 00:00:00 till the actual time

- YESTERDAY - Request data from 00:00:00 until 23:59:59 the day before (This shall be used as the most common option)

- THIS_WEEK_START_SUNDAY - Request data from Sunday 00:00:00 of the actual week until the actual time.

- THIS_WEEK_START_MONDAY - Request data from Monday 00:00:00 of the actual week until the actual time.

- LAST_WEEK_START_SUNDAY - Request data from Sunday 00:00:00 of the last week until Saturday 23:59:59 of the last week.

- LAST_WEEK_START_MONDAY - Request data from Monday 00:00:00 of the last week until Sunday 23:59:59 of the last week.

- THIS_MONTH - Request data from the first day 00:00:00 of the actual month till the actual time

- LAST_MONTH - Request data from the first day 00:00:00 of the last month till the last day 23:59:59 of the last month.

- THIS_FIRST_QUARTER - Request data from January 1st 00:00:00 till March 31st 23:59:59 of the actual year.

- THIS_SECOND_QUARTER - Request data from April 1st 00:00:00 till June 30th 23:59:59 of the actual year.

- THIS_THIRD_QUARTER - Request data from July 1st 00:00:00 till September 30th 23:59:59 of the actual year.

- THIS_FOURTH_QUARTER - Request data from October 1st 00:00:00 till December 31th 23:59:59 of the actual year.

- LAST_FIRST_QUARTER - Request data from January 1st 00:00:00 till March 31st 23:59:59 of the last year.

- LAST_SECOND_QUARTER - Request data from April 1st 00:00:00 till June 30th 23:59:59 of the last year.

- LAST_THIRD_QUARTER - Request data from July 1st 00:00:00 till September 30th 23:59:59 of the last year.

- LAST_FOURTH_QUARTER - Request data from October 1st 00:00:00 till December 31th 23:59:59 of the last year.

- THIS_FIRST_HALF - Request data from January 1st 00:00:00 till June 30th 23:59:59 of the actual year.

- THIS_SECOND_HALF - Request data from July 1st 00:00:00 till December 31st 23:59:59 of the actual year.

- LAST_FIRST_HALF - Request data from January 1st 00:00:00 till June 30th 23:59:59 of the last year.

- LAST_SECOND_HALF - Request data from July 1st 00:00:00 till December 31st 23:59:59 of the last year.

- THIS_YEAR - Request data from January 1st 00:00:00 till December 31st 23:59:59 of the actual year.

- LAST_YEAR - Request data from January 1st 00:00:00 till December 31st 23:59:59 of the last year.

It is also possible to define a start time with the format "yyyy-mm-dd hh:mm:ss". This defines the start point.

Example: 2006-01-19 16:24:14

End Time (optional)
If End Time is defined in the format "yyyy-mm-dd hh:mm:ss" with this parameter a end time can be defined in the same way. It is not necessary to define a end point. The program will take the actual date as end time if none is defined here.

RunOption (mandatory)
The task can run in several different modes.

- *ALL*

Return all the response from the Java program (the complete list)

- *MAX*
  Only returns the maximum value. If two data sets have the same value, the actual data set will not be overwritten by the new data set.

- *THRESHOLD*
  All data sets which have a greater value than the threshold are returned.

Details (mandatory)

This parameter can turn the detail output ON and OFF. If it is turned OFF, only the headers of the request will be returned. Otherwise the headers and the data sets will be printed out.

Output Mode (mandatory)

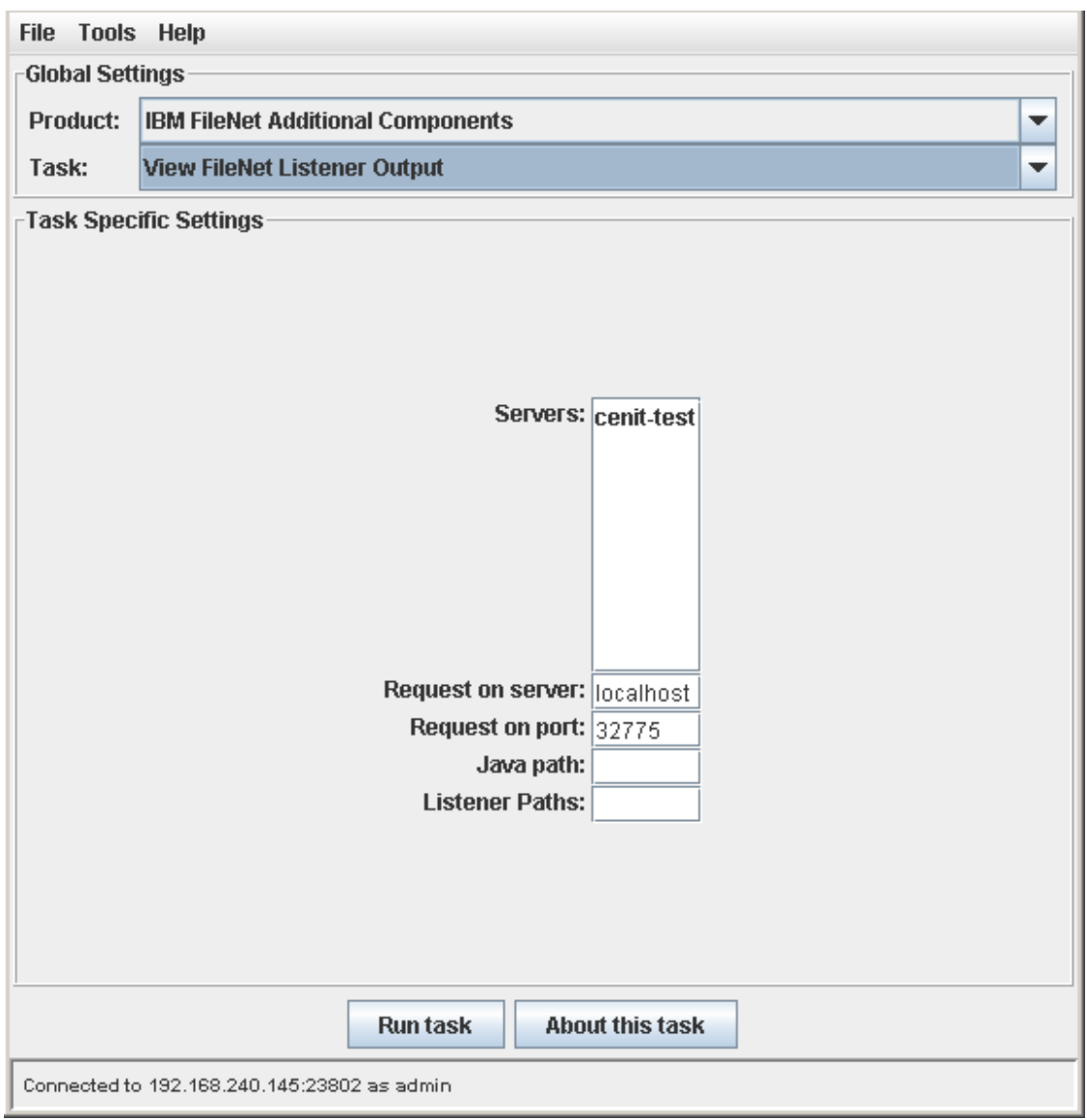The output mode defines how the response shall be printed out in the task.

- *STANDARD* - Best readable for humans

- *CSV* - Best readable for machines

View FileNet Listener Output

Description

This task starts a FileNet listener request.

Parameters

```
File  Tools  Help
┌Global Settings────────────────────────────────────────────┐
 Product:  │IBM FileNet Additional Components            │▼│
 Task:     │View FileNet Listener Output                 │▼│
┌Task Specific Settings─────────────────────────────────────┐
│                                                            │
│                                                            │
│                             Servers: │cenit-test        │  │
│                                      │                  │  │
│                                      │                  │  │
│                                      │                  │  │
│                                      │                  │  │
│                                      │                  │  │
│                    Request on server: │localhost│          │
│                      Request on port: │32775│              │
│                           Java path:  │      │             │
│                       Listener Paths: │      │             │
│                                                            │
│                                                            │
│            ┌──────────┐   ┌──────────────────┐             │
│            │ Run task │   │ About this task  │             │
│            └──────────┘   └──────────────────┘             │
└────────────────────────────────────────────────────────────┘
 Connected to 192.168.240.145:23802 as admin
```

Servers
Required. Select the server(s) where the task must be started.

Request on server
Optional. Specify the name of the server for the Listener request.

> **NOTE**   This is NOT the server where this task will be executed on.

This name or IP address will be used for the Listener request. Default value is localhost, but any name or IP address can be specified here.

Request on port
Optional. Specify the name of the port for the Listener request.

This port will be used for the Listener request. Default value is 32775.

Java path
Required. Specify the path to the Java bin directory.

Listener Paths
Required. Specify any correct Listener path (see FileNet documentation for further details) or use the predefined values.

Appendix A. Copyright notice

IBM FileNet System Monitor (18 March 2011)

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