

IBM Enterprise Content Management System Monitor

User's Guide



IBM Enterprise Content Management System Monitor Version 5.5.11

User's Guide

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This document contains information about the use of the IBM Enterprise Content Management System Monitor after it is installed and configured. The target audience for this guide are the users of the ESM.

Preface

About this document

This document is written as plain text document and provided as html / pdf. The newest ESM related documents can be found in the help section of the console.

Who should read this guide?

The target audience for this guide are those who install or maintain ESM 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 Customer Service and Support web site (<u>https://www.ibm.com/</u><u>support</u>). 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 Enterprise Content Management 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 Enterprise Content Management System Monitor may have multiple Interim Fixes, or Fix Packs available for installation, each with potentially different dependencies and installation requirements. Therefore, before you attempt to install or upgrade IBM Enterprise Content Management System Monitor, review the list of releases and their associated dependencies on the IBM Support web site (https://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.

You should read the Upgrade Notes section below!

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

TIP For tips and tricks regarding the configuration and maintenance of IBM Enterprise Content Management System Monitor please check the CENIT Field Guides at <u>IBM ESM Field</u> <u>Guides</u>.

The updated documentation can be downloaded from the <u>IBM download pages</u>.

Feedback on documentation

Send your comments by e-mail to <u>comments@us.ibm.com</u>. 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)

IBM Enterprise Content Management System Monitor Console

This section describes the available dashboards and gives an overview of what can be done within the dashboards.

Monitoring Dashboard

The monitoring dashboard offers the possibility to create several views for the configured situations or take a look at the currently running tasks.

Adding, working with and sharing of dashboard tabs within the monitoring dashboard

Per default the monitoring dashboard has one inbuilt dashboard tab. The highlighted buttons in the screenshot below offer several options to work with the tab(s).

• x CM86 x BPM x Basic	x MSSQL x Listener x Oracle x Apach	x CSS x b v 🕨 + V
		Name Basic
		Number of columns: 2
		Share 🗆
		Switch to next tab every 15 - Second(s)
	<i>G</i>	~

Image of Multi Tabs

Play/Pause button

If several tabs have been added, this button can be used to automatically switch between the tabs every x seconds. The seconds are defined in the options setting that pops up when clicking the drop-down button. Once activated the play button will turn in a pause button. Click on that to pause the switching again.

Plus button

Clicking on the plus button adds an additional tab in the list after the tab that is currently active.

Drop-down button

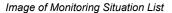
In the options setting from the drop-down, the name of the currently active tab can be adjusted. You can also define the number of columns for that tab in there. Furthermore, as admin you have the possibility to share the tab. Sharing a tab means that tab is automatically shown for all other ESM users. The background of the tab page will be highlighted and all shared tabs will be moved to the end of the tab list. As said, all of the settings in here are performed only on the active tab except the setting for the seconds between the switching which is valid for all tabs.

NOTE Users have the possibility to customize a shared tab on their end. But the customization is only valid for the session lifetime - it is not stored. Only admins can adjust such a tab permanently.

Situations

From the sidebar choose the situation icon. This will show all available situations as a list or all situation groups, depending on which level you are.

		Cpu @ DCA 2022-08-04 12 Cpu @ esm 2022-08-05 06	2:45:07 UTC		Cpu @ esmT	est					+ E	a 🗙
					_							.
					Time crea	14:38:59 +0200	Time u		uation u @ esmTest	Message Average CPU usage: 12,2	Value 12.20	
			0.10.20 010		-	14:39:29 +0200			•	Average CPU usage: 14,2		
~	. (Cpu @ Serv	ver Agent		04.08.22,	14:39:59 +0200		Ср	u @ esmTest	Average CPU usage: 26,2	26,20	
		2022-08-05 05	5:30:36 UTC		 04.08.22, 	14:40:29 +0200	-	Cp	u @ esmTest	Average CPU usage: 25,4	25,40	
		Cou @ Spe	cPro_Agent		 04.08.22, 	14:40:59 +0200	-	Ср	u @ esmTest	Average CPU usage: 26,6	26,60	
~		2022-08-05 05	5:31:49 UTC		 • 04.08.22, 	14:41:29 +0200	-	Ср	u @ esmTest	Average CPU usage: 25,2	25,20	
		Coulleage	@ Sequer Agent		-	14:41:59 +0200			0	Average CPU usage: 20,6		
 ✓ 		2022-08-04 12	@ Server_Agent 2:40:18 UTC		· ·	14:42:29 +0200	-		~	Average CPU usage: 19,4		
					-	14:42:59 +0200	-			Average CPU usage: 20,8	20,80	
 ✓ 	/ 9	CustomQue 2022-08-04 11	ery @ SpecPro		 04.08.22, 	14:43:29 +0200	-	Ср	u @ esmTest	Average CPU usage: 26%	26,00	
		2022-00-04 11	1.11.19.010		 • 04.08.22, 	14:43:59 +0200	-	Cp	u @ esmTest	Average CPU usage: 20,8	20,80	
		CustomQue	ery @ SpecPro		 04.08.22, 	14:44:29 +0200		Cp	u @ esmTest	Average CPU usage: 21%	21,00	
•		2022-08-04 11	1:11:19 UTC		 04.08.22, 	14:44:59 +0200	-	Cp	u @ esmTest	Average CPU usage: 21,4	21,40	
		DatabaseCo	onnectionStatus @ esmdb		 04.08.22, 	14:45:29 +0200	-	Cp	u @ esmTest	Average CPU usage: 22,8	22,80	
~		2022-08-05 06	6:15:09 UTC		• 04.08.22,	14:45:59 +0200	-	Ср	u @ esmTest	Average CPU usage: 20,4	20,40	



Double-Click on a situation group

Double-clicking on a situation group will open the list with all situations from the situation group in the sidebar. This function can be used for browsing functionality.

📐 Mo	onitoring 🖌 😍 Situations 🖌 🖿 All Situations	
«	1 🗅 😻 🥖	Q v v v
	Cpu @ DCAP9Agent 2022-08-04 12:45:07 UTC	
0 °	Cpu @ esmTest 2022-08-05 06:14:29 UTC	
	Cpu @ Server_Agent 2022-08-05 05:30:36 UTC	
	Cpu @ SpecPro_Agent 2022-08-05 05:31:49 UTC	
	CpuUsage @ Server_Agent 2022-08-04 12:40:18 UTC	
	CustomQuery @ SpecPro 2022-08-04 11:11:19 UTC	
	CustomQuery @ SpecPro 2022-08-04 11:11:19 UTC	
	DatabaseConnectionStatus @ esmdb 2022-08-05 06:13:09 UTC	
of Lipt in aid	DatabaseConnectionStatus @ ESMTEST19 2022-08-04 11:10:15 UTC	

Image of List in sidebar

Choose from one of the icons next to the situation or the situation group to place it in the active monitoring dashboard.





Image of Monitoring Situation List Icons

Upper Left Icon

The upper left icon is for a graphical presentation of the sample values with a minimized list of the information from the last samples. The sample list can be hidden via a checkbox in the settings (button in the upper right corner of the portlet). After clicking the icon the situation is automatically placed at the next available slot in the active monitoring dashboard. This can be outside of the visible field. The new entry will look like this:

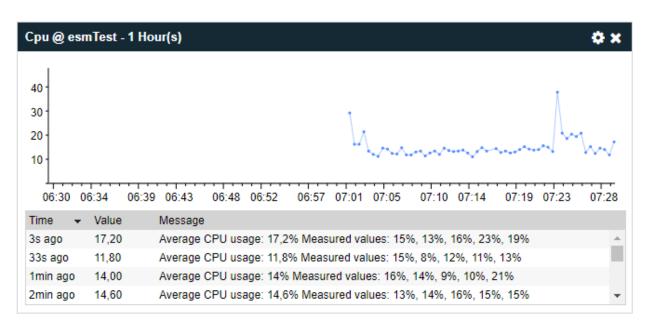


Image of Situation Graph

Upper Right Icon

The upper right icon is for an incidents details view. The view opens above the dashboard on the right. It is pre-filtered with the settings from the entry you clicked on the icon. Within the view, actions on the list (such as deleting or closing entries etc.), also more filtering can be done. This list can also be opened from the "Situation List" portlet described below. The list allows sorting via the header of the columns. The default sort order is Severity followed by Time created. The incident list will look like this:

Time created	 Time updated 	Value	Message	Classification Error	Situation	Updates Annotation
05.08.22, 07:45:59 +0200		13,00	Average CPU usage: 13% Mea	cpu	Cpu @ esmTest	
05.08.22, 07:45:29 +0200		18,00	Average CPU usage: 18% Mea	cpu	Cpu @ esmTest	
05.08.22, 07:44:59 +0200		20,00	Average CPU usage: 20% Mea	cpu	Cpu @ esmTest	
05.08.22, 07:44:29 +0200	-	16,00	Average CPU usage: 16% Mea	cpu	Cpu @ esmTest	
05.08.22, 07:43:59 +0200	-	18,80	Average CPU usage: 18,8% M	cpu	Cpu @ esmTest	
05.08.22, 07:43:29 +0200	-	16,80	Average CPU usage: 16,8% M	сри	Cpu @ esmTest	
05.08.22, 07:42:59 +0200		16,80	Average CPU usage: 16,8% M	cpu	Cpu @ esmTest	
05.08.22, 07:42:29 +0200	-	16,40	Average CPU usage: 16,4% M	cpu	Cpu @ esmTest	
05.08.22, 07:41:59 +0200	-	14,80	Average CPU usage: 14,8% M	сри	Cpu @ esmTest	
05.08.22, 07:41:29 +0200	-	13,20	Average CPU usage: 13,2% M	сри	Cpu @ esmTest	
05.08.22, 07:40:59 +0200		12,40	Average CPU usage: 12,4% M	cpu	Cpu @ esmTest	
05.08.22, 07:40:29 +0200		14,20	Average CPU usage: 14,2% M	cpu	Cpu @ esmTest	
05.08.22, 07:39:59 +0200		12,40	Average CPU usage: 12,4% M	cpu	Cpu @ esmTest	
05.08.22, 07:39:29 +0200		14,80	Average CPU usage: 14,8% M	cpu	Cpu @ esmTest	
05.08.22, 07:38:59 +0200	-	13,00	Average CPU usage: 13% Mea	cpu	Cpu @ esmTest	
05.08.22, 07:38:29 +0200	-	12,60	Average CPU usage: 12,6% M	cpu	Cpu @ esmTest	
05.08.22, 07:37:59 +0200		16,20	Average CPU usage: 16,2% M	cpu	Cpu @ esmTest	
05.08.22, 07:37:29 +0200	-	13,80	Average CPU usage: 13,8% M	сри	Cpu @ esmTest	
05.08.22, 07:36:59 +0200	-	15,20	Average CPU usage: 15,2% M	сри	Cpu @ esmTest	
05.08.22, 07:36:29 +0200	-	12,80	Average CPU usage: 12,8% M	сри	Cpu @ esmTest	
05.08.22, 07:35:59 +0200	-	12,20	Average CPU usage: 12,2% M	сри	Cpu @ esmTest	
05.08.22, 07:35:29 +0200	-	13,20	Average CPU usage: 13,2% M	сри	Cpu @ esmTest	
05.08.22, 07:34:59 +0200		16,00	Average CPU usage: 16% Mea	сри	Cpu @ esmTest	
05.08.22, 07:34:29 +0200		13,80	Average CPU usage: 13,8% M	сри	Cpu @ esmTest	
05.08.22, 07:33:59 +0200		15,60	Average CPU usage: 15,6% M	сри	Cpu @ esmTest	
05.08.22, 07:33:29 +0200	-	15,00	Average CPU usage: 15% Mea	cpu	Cpu @ esmTest	
05.08.22, 07:32:59 +0200		14,40	Average CPU usage: 14,4% M	cpu	Cpu @ esmTest	

Image of Situation Graph

Lower Right Icon

The lower right icon is for a heatmap presentation of the incidents. It will create a portlet that only shows the severity as a colour and the current value. It is also automatically placed at the next available slot. There is no possibility to choose a period. By clicking on the settings icon the displayed situation can be changed. The list portlet looks like this:



Image of Situation Heat

Lower Left Icon

The lower left icon is for a list presentation of the incidents, values will only be displayed as a number in the list. It is also automatically placed at the next available slot, but it will directly open the event list. The list allows sorting via the header of the columns. The default sort order is Severity followed by Time created. Same as for the heatmap portlet, there is no possibility to choose a period. By clicking on the settings icon the displayed situation can be changed. The list entry looks like this:

ou @ esmTest				t 🗖 🕯	•
Time created	Time updated	Situation	Message	Value	
04.08.22, 14:38:59 +		Cpu @ esmTest	Average CPU usage:	12,20	
04.08.22, 14:39:29 +		Cpu @ esmTest	Average CPU usage:	14,20	
04.08.22, 14:39:59 +		Cpu @ esmTest	Average CPU usage:	26,20	
04.08.22, 14:40:29 +		Cpu @ esmTest	Average CPU usage:	25,40	
04.08.22, 14:40:59 +		Cpu @ esmTest	Average CPU usage:	26,60	
04.08.22, 14:41:29 +		Cpu @ esmTest	Average CPU usage:	25,20	
04.08.22, 14:41:59 +		Cpu @ esmTest	Average CPU usage:	20,60	
04.08.22, 14:42:29 +		Cpu @ esmTest	Average CPU usage:	19,40	
04.08.22, 14:42:59 +		Cpu @ esmTest	Average CPU usage:	20,80	
04.08.22, 14:43:29 +		Cpu @ esmTest	Average CPU usage:	26,00	
04.08.22, 14:43:59 +		Cpu @ esmTest	Average CPU usage:	20,80	
04.08.22, 14:44:29 +		Cpu @ esmTest	Average CPU usage:	21,00	
04.08.22, 14:44:59 +		Cpu @ esmTest	Average CPU usage:	21,40	
04.08.22, 14:45:29 +		Cpu @ esmTest	Average CPU usage:	22,80	
04.08.22, 14:45:59 +		Cpu @ esmTest	Average CPU usage:	20,40	

Image of Situation List

List views are best for showing samples from logfiles. Graphical views are good for samples with changing values.

NOTE Currently, a total of 16 portlets can be added to one dashboard.

Setup of the situation portlets

Each of the portlets can be adjusted. Therefore, you can use the settings icon in the top right corner of the portlet.

Settings of the graph portlet

Settings	A 🗙
Obey legidents of this Severity severes	
Show Incidents of this Severity or worse: Harmless	-
Show Incidents of this Situation Group:	-
Show Incidents of this Situation:	
CPU @ Agent	•
Divide all values by: 1	
Period covered (max: 72): 3 Hour(s)	
The monitoring dashboard can show only a defined number of incidents for all graphs. Therefore the shown incidents per graph migh limited and older incidents might not be available.	t be

Image of graph portlet settings

NOTE Multiple (4) graphs can be shown if the parameter "Show Incidents of this Situation" is empty and the parameter "Show Incidents of this Situation Group" is used. As only 4 graphs will be shown the portlet will pick just random 4 if more than 4 situations are part of the situation group that is selected.

Show Incidents of this Severity or worse

Select the severity from the drop-down. Only incidents with this or a higher severity will be shown in the portlet.

Show Incidents of this Situation Group

Select a situation group from the drop-down. Only incidents from this situation group will be shown.

Show Incidents of this Situation

Select a situation from the drop-down. Only incidents from this situation will be shown.

Divide all values by

The user can enter a divisor not a multiplier (aka multiplicator). Up- and downscaling must be possible. The idea behind the division in comparison to the multiplication is, in the product's environment it is more common to have huge raw values, that should be scaled down instead of the opposite. But 0.001 is harder to recognize than 1000.

NOTE The scale will be shown in the title bar of the portlet as well.

Period covered (max: 72)

The default period is 3 hours, this defines the x-axes for the graph.

Settings of the heat portlet

Settings	B ×
Show Severity of this Situation Group:	
Show Severity of this Situation:	
PortReachable myHR @ myHR	

Image of heat portlet settings

Show Severity of this Situation Group

Select the situation group from the dropdown that should be used for showing the severity.

Show Severity of this Situation

Select the situation from the dropdown that should be used for showing the severity.

Settings of the list portlet

Settings	e x
Show Items of this Severity or worse:	
Harmless	-
Show Items of this Situation Group:	
	-
Show Items of this Situation:	
	-
Incidents:	
Divide all values by: 1	

Show Items of this Severity or worse

Select the severity from the drop-down. Only incidents with this or a higher severity will be shown in the portlet.

Image of list portlet settings

Show Items of this Situation Group

Select a situation group from the drop-down. Only incidents from this situation group will be shown.

Show Items of this Situation

Select a situation from the drop-down. Only incidents from this situation will be shown.

Incidents

The portlet can have two layouts. One that shows a list where each incident is shown as new object (checked) and one that shows the Incident as a status object where only the timestamp and severity is updated (unchecked).

Divide all values by

The user can enter a divisor not a multiplier (aka multiplicator). Up- and downscaling must be possible. The idea behind the division in comparison to the multiplication is, in the product's environment it is more common to have huge raw values, that should be scaled down instead of the opposite. But 0.001 is harder to recognize than 1000.

NOTE

The scale will be shown in the title bar of the portlet as well.

Buttons above the list

The buttons are used for browsing through the list or placing entries in the console.

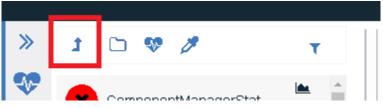


Image of sidebar button up

If you are browsing the situations in the sidebar, this button brings you one level up.



Image of placing all situation groups

Once the button is clicked a portlet containing all situation groups is added to the console on the right. See next screenshot.

Situation Groups - Harmless or worse	< 🖃 🕸 🗙
All Situations	i
🛪 тѕм	:≡
CPE55	:≡
	i ≡

Image of portlet with all situation groups

Clicking on the settings icon opens the configuration for this portlet. You can select a severity level for the shown items, which groups should be shown and which items of the groups should be shown. Save the settings by clicking on the disk icon.

Settings	B	ĸ	
Show Items of this Severity or worse:			
Harmless		-	
Show Items of this Situation Group:		•	
		-	
Incidents:			

Image of portlet settings for situation group portlet



Image of button for placing empty situation portlet

The button places an empty portlet for situations on the right in the console. This portlet can be configured to show incidents of a certain situation (drop-down). Also, the period that should be covered can be adjusted. Afterwards click on save icon to show the graph.

Settings	a x
Show Incidents of this Situation:	-
Period covered (max: 72): 3 + Hour(s)	
The monitoring dashboard can show only a defined number of incidents for all graphs. Therefore the shown incidents per graph might be limited and older incidents might not be available.	1

Image of empty portlet

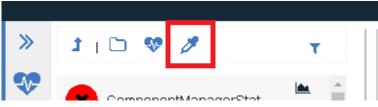


Image of button for placing empty samples portlet

The button places an empty portlet for samples on the right in the console. This portlet can be configured to show a list with samples of a certain probe (drop-down). Also, the period that should be covered can be adjusted. Afterwards click on save icon to show the list.

Settings	🖹 🗙
Show Samples of this Probe: Cpu @ ServerAgent	4
Period covered: 3 + Hour(s)	

Image of empty samples portlet

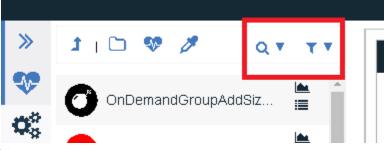


Image of filter button for list

The listed entries in the sidebar can be filtered using these buttons. The first one (search option) is for filtering the objects based on the name. The search is not case-sensitive. Also tags can be added which are taken into account when the search is performed. Click on "Filter" to apply the settings, click on "Reset" to remove the filter once it has been applied.

»	1 i 🗅 😻 🥖	Q 🔻 🔻 📕 ICN - Harmles	s or worse
V		Filter Situations by:	
\mathbf{Q}_{0}^{0}		obj	ssfully
жğ	WindowsSystemLog @	Subsystem:CPE55 • Add tag	ssfully
	ObjectstorePerformant	e 🔳 🔹 🗸 omin ago	ssfully syncserverPingPagest ok successfully ContentNavigatorPing ok Successfully
	Logfile @ CPE55WASL	DG 😑 🔰	SyncServerPingPageSt ok Successfully ContentNavigatorPing ok Successfully
	-	📥 🚽 🗸 10min ago	SyncServerPingPageSt ok Successfully

Image of filter setting for the list based on object name and tag

The second one is for a filter based on the severity. Once the button is clicked an overlaying window opens. You can select the severity from the drop-down. The filter is applied automatically.

»	1 🗅 🧐 🥖 🔍 Q 🔻	ICN - Harmless or worse	
₩	OnDemandGroupAddSiz	Filter Situations by: Harmless	
***	WindowsSystemLog @ C	Harmless Warning Warni	sfully
	ObjectstorePerformance	Critical ServerPingPageSt ok Success Fatal entNavigatorPing ok Success	sfully
	Logfile @ CPE55WASLOG	 March Arriver Arrivera Arriver Arriver Arriver Arriver Arriver Arriver Arriver A	
Image of f	OnDemandReportLoade	9min ago SyncServerPingPageSt ok Success	

NOTE Situations with unknown severity will always be shown.

Incident list and details of an incident

A list for getting all incidents is available.

This list uses lazy loading.

Filtering by the combination of the following criteria is possible.

- Least severity (= severity x or worse)
- Situation Group
- Situation

The filters are defined in the portlet criteria. The portlet can show a high level view e.g. "Situation Groups", but the list will show the incidents of the "Situation Groups".

This list shows the following information in the given order in a row per incident:

- Severity (Icon)
- Timestamp (in ISO format)
- Value
- Message
- Classification
- Error
- Situation Name

The default sorting is by descending timestamp (oldest at the bottom, newest at the top of the list).

The list can be reached by clicking in the list icon in any of the portlets.

Situation Groups - Harmless or worse	< 🖃 🌣 🗙
All Situations	
All Tags	: =
Image of list icon in portlet	

Detailed information about an incident can be shown by selecting an entry in the incident list - The details are also available when double-clicking on an incident directly in the portlet.

The following image shows the incident list including the details of a selected incident. The details section is automatically opened once an entry from the list is selected. The section will close once you click on the same entry again. Selecting any other entry will open the details for this one. The selected entry is highlighted in the list.

×					
Timestamp 💌 Value	Message		Classification	Error	Situation
✓ 11.07.18, 08:28:39 +0200	16,00 COUNT(id) FROM PRO		COUNT(ID)	Eno	Probes In ESM DB
 11.07.18, 08:28:39 +0200 	0,00 COUNT(id) FROM INCI				ESM DB Error Incidents
✓ 11.07.18, 08:28:39 +0200	14,00	DENT WHERE CHOIDS	PortReachableProbe		PortReachable @ Nexus
11.07.18, 08:28:39 +0200	0.00 Remote Object is not av	zailahle	karaf-agent		P8 Rmi @ TestAgent
✓ 11.07.18, 08:28:39 +0200	3,00 Database request took		COMPLETE		ESM DB Incident Count
 11.07.18, 08:28:39 +0200 	73,00 Diskspace Free: 72%		disk/		Free Diskspace @ TestAgent
11.07.18, 08:28:39 +0200	0,00 CPU: 0.0%		сри		CPU @ TestAgent _
			- Fr		Total number of Incidents: 32536
	<u> </u>		△ Incident Details:		
LestAgent	0	ESM DB Subsystem	incluent Details.		
Agent		Subsystem	Label	Value	
Label: TestAgent	e	N	10	32536	A
lp Address: 10.0.8.236	monitored	Database Na	unestamp	11. Juli 2018 um 08:28:39 Mitteleuropäiso	che Sommerzeit
Hostname: buildsrv03-sm01	Ē	Database Usern:	LITTESLATTIDCTEALEU	11. Juli 2018 um 08:28:39 Mitteleuropäiso	che Sommerzeit
Description: Timestamp: 11. Juli 2018 um 08:29:11	9 Mitteleuronäische Sr	Database Scho Jdbc Connection Temp	Undate(`ount		
milestamp. m. odi 2010 din 00.20.			severity	HARMLESS	
			message	COUNT(id) FROM INCIDENT WHERE e	rror IS NOT NULL
triggered 🔸			value	0	
		-	situationCfgld	00004444-2222-1111-1111-00000000444	4
ESM DB Error Incidents Probe	0	sample Sample	error		Ŧ
Name: ESM DB Error Incidents Active: true Sql Query: SELECT COUNT(id) FRC Timeout: 1. Januar 1970 um 01:00:1 Type: CustomDatabaseQueryPr	00 Mitteleuropäische	Timestamp: 11. Juli 2 Classification: COUNT Message: COUNT Value: 0	UTU		
triggered 🗸		1	-	80 11 80 81	

Image of Incident list including details of a selected incident

Incident handling

Within the history view of each portlet, ESM offers possibilities to handle events. Therefore, some buttons are available at the top in this view.



Image of Top Buttons in History

Functions of the buttons from left to right:

- 1. Leave this view
- 2. Acknowledge the selected entry. The user can add some text e.g. that he is working on this entry. Acknowledging can be overwritten by clicking the button again.
- 3. Close the selected incident. For closing all incidents of the current list, select the drop-down button next to it on the right side. (Incident will not be shown in the portlet anymore) This can be undone by doing the same again.
- 4. Delete the selected incident, For deleting all incidents of the current list, select the drop-down button next to it on the right. (The Incident is completely removed deleted from DB) This cannot be undone.
- 5. Reload/Refresh the list

Incident filtering

The history view also offers the possibility to filter for certain incidents.



Image of Filter Buttons in History

Clicking on the buttons opens the filter editor.

Filter Incidents by:			
Timestamp from	-	-	
to	•	-	
Severity	Harmless 👻 or worse		
Value		-	
Text			
Situation			
			▼ ⊘

Image of Filter Editor in History

It is possible to set several of the filters at the same time. Filter settings can be adjusted and submitted again. Possible filters are:

- Timestamp (Date and Time), from and to
- Severity, filters for the severity that is given and worse
- Value, from to
- Text, searches for the given string in Message, Classification, Error and Annotation.
- Situation, searches for the given string in Situation.

Depending on the filters the search context might get complex and therefore the search can take some time.

The filter is submitted/activated by clicking on the filter icon in the bottom right corner in the editor. It can be deactivated by clicking on the deactivate button next to it. The filter editor stores the last filter setup until the history view is closed. Even if the filter editor is closed, the filter is still maintained.

Report Portlets

From the sidebar choose the task portlet icon. This will open a list with the available reports. Reports from the type aggregation can be added as portlet with the button on the right of the entry.

The portlet will show the latest available instance of this report - every time the report is created due to the schedule, the portlet will be updated as well.

IBM ESM 5.5.5.0-003				Monitoring	Configuration	Administration	? Help
Monitoring Reports CPUusage	CPE		CMoD105 x		DDM × TSM	x IS x	CM86 ×
ListenerTest2	Lift 500 400 300 200	00000 - 00000 - 00000 - 00000 - 00000 - 00000 -		unny - Deita			×
	-200 -300 -400	000000 00000 00000 13230 [21.02.21,23:00]	[22.02.21,02:	00] [22.02.	21,05:00] [22	.02.21,08:00] [2	22.02.21,11:0

Image of Monitoring Report Portlet

Task Portlets

From the sidebar choose the task portlet icon. This will show the recent tasks as a list.

IBM ESM 5.5.5.0-003		Monitoring	Configuration	Administration	? Help
Monitoring 🖡 🚓	Tasks				
« «	CPE X Tasks X CMoD105 X DCAP X ODM X	TSM × IS	x CM86 x	BPM X Ba	isic 🗶 M
�	Recent Tasks			×	
00					

Image of Monitoring Task Portlet

Double-click on the button to add the "Recent Task" portlet on the next available slot in the monitoring window. This can be outside of the visible field. The portlet contains a list and will look like this:

Rec	cent Tasks	×
Ø	3s ago Remote Example Task	
	3s ago Remote Example Task	
	33s ago Remote Example Task	
	1min ago Remote Example Task	
	2min ago Remote Example Task	
	2min ago Remote Example Task	
	3min ago Remote Example Task	
	3min ago Remote Example Task	
	4min ago Remote Example Task	
	Smin and Romate Example Tack	

Image of Monitoring Recent Tasks List

Configuration Dashboard

The configuration dashboard offers the possibility to configure ESM based on your needs. Within the configuration you can review the agents, configure your subsystems, situation groups and task or browse and adjust the knowledgebase.

Agents

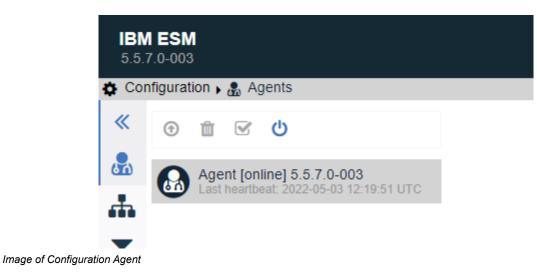
Choose the agent icon from the sidebar. This will open a list with all agents. Also, the status of the agent is displayed.

You can use the buttons above the agents list to restart an agent (only if online), delete offline agents or mark timed-out agents as offline in the DB.

NOTE

- Agents can only be deleted if there are no probes assigned to run at the agent that should be deleted.
- Setting an agent to offline only marks the agent as offline, it is not shutting down the agent. The status is only kept until the agent is sending heartbeat information again, if any. Afterwards the agent can be shown as online, timed-out or outdated again. This button serves the purpose to set the status of an agent to a defined state on the server.

In addition, there is a button that can be used to update the selected agent from this console (see below).



Updating Agents from the Console

IMPORTANT

The update cannot be performed on agents that run as a docker container. Docker containers should be updated via the usual platform mechanisms.

Requirements

- Agent is on ESM version 5.5.5.7-003 or later.
- Agent status is outdated.
- The corresponding agent installer must exist on the ESM Server in <Install-Dir>karaf/agent/installers/<currentVersion>/<matchingOS>
- On Windows OS: The following commands must exist and be executable for the agent's service account (Local System per default)
 - C:\Windows\System32\WindowsPowerShell\v1.0\powershell.exe
 - C:\Windows\System32\xcopy.exe
 - C:\Windows\System32\cmd.exe
 - C:\Windows\System32\net.exe
 - C:\Windows\System32\taskkill.exe
- On Linux/Unix OS: The following commands must exist and be executable for the account the agent runs under.
 - /bin/bash
 - systemd-run
 - ∘ kill
 - nohup

Update process

- · Select the agent you want to update from the agent list and click on the update button.
- The Agent should change it's status to updating.
- After some minutes (depending on the performance) the agent should be having the status online again.

Subsystems

Choose the subsystem icon from the sidebar. This will open a list with the already configured subsystems. You have the possibility to create a new subsystem, add a probe to the selected subsystem, modify the selected subsystem or delete the selected subsystem.

For more details please refer to the "Configuration Guide for ESM 5.5.11".



Sample Filtering

The sample filtering is a mechanism to filter sample depending on certain criteria. If samples match the criteria, they will directly be filtered on the agent.

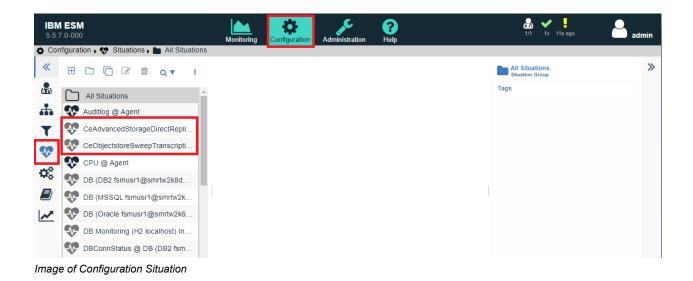
BM ESM .5.2.0-002	Monitoring	Configuration	Administration	? Help
⊞ × 				
▼ Global Sample Filters				
Samples matching this global criteria will be discarded immediately and will not be transmitted to the server for evaluation.				
Sample Filtering Classification == classification				

Image of Configuration Sample Filtering

Situation Groups

Choose the situation icon from the sidebar. This will open a list with the already configured situations. You have the possibility to create a new situation, duplicate, modify or delete the selected situation, or do the same with so-called situation groups. Situations that contain a deactivated probe are highlighted with a different color.

For more details please refer to the "Probes and Situation Guide for ESM 5.5.11".



Furthermore, detailed information about the selected entry is given at the bottom of the list.

Task Configuration

Choose the task icon from the sidebar. This will open a list predefined task types. You have the possibility to create a new task, duplicate, modify or delete the selected task.

For more details please refer to the "Task Guide for ESM 5.5.11".

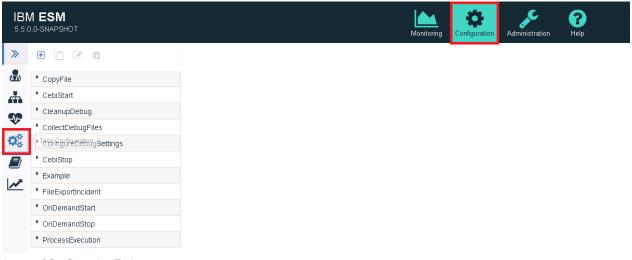
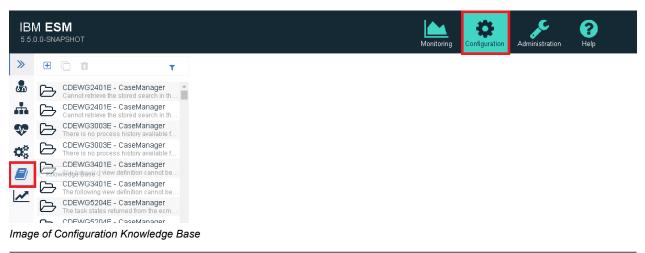


Image of Configuration Task

Furthermore, detailed information about the selected entry is given at the bottom of the list.

Knowledge Base

Choose the knowledge base icon from the sidebar. This will open a list containing all available entries. You have the possibility to create a new entry, duplicate or delete a custom entry.



Furthermore, a possibility to filter the list based on ErrorID or subsystem is available. Either search for a snippet of the ErrorID or select the subsystem. A combination of both is also possible.

	M ES	SM Apshot	
»	Đ		T
. .	ß	CDEWG2401E - CaseManager Cannot retrieve the stored search in	
÷.	\bowtie	CDEWG2401E - CaseManager Cannot retrieve the stored search in	
V	ß	CDEWG3003E - CaseManager There is no process history available	
08	\ominus	CDEWG3003E - CaseManager There is no process history available	
=	ß	CDEWG3401E - CaseManager The following view definition cannot	
~	ß	CDEWG3401E - CaseManager The following view definition cannot	
	\bigcirc	CDEWG5204E - CaseManager The task states returned from the ec	
	<u>~</u>	CDEWG5204E - CaseManager	

Image of Configuration Knowledge Base Filter

The filter is saved throughout the search and can be enhanced. A reset by using the reset button is also possible.

Double-click an entry to see more details like message, cause, corrective action and custom info. This information is also available at the bottom of the list.

	M ESM 0.0-SNAPSHOT		Monitoring Configuration Help
>	• • •	T	x 🗸
.	CDEWG2401E - CaseN Cannot retrieve the stored	tanager	Subsystem Type CaseManager +
	CDEWG2401E - CaseM Cannot retrieve the stored	tanager search in th	*ErrorId CDEW/G3003E
•	CDEWG3003E - CaseM There is no process histor	fanager ravailable f	Error Message
$\mathbf{Q}_{\mathrm{o}}^{\mathrm{o}}$	CDEWG3003E - CaseM There is no process histor	ravailable f	There is no process history available for the task: \${0}
	CDEWG3401E - CaseN The following view definition		inere is no process history available for the task: S(0)
<u>~</u>	CDEWG3401E - CaseN The following view definition	fanager n cannot be	
199 V	CDEWG5204E - CaseM The task states returned for	fanager im the ecm	
	CDEWG5204E - CaseN The task states returned from	tanager im the ecm	Error Cause
	CDEWG5205E - CaseN The task failed because of	fanager the followin	The process history cannot be found.
	CDEWG5205E - CaseN The task failed because of	tanager the followin	
	CDEWG5207E - CaseN The case history is unavail	tanager able.	
	CDEWG5207E - CaseN The case history is unavail	lanager able.	Corrective Action
	CDEWG5401E - CaseN The form cannot be reoper	lanager ed becaus	Contact your ecmcf000.dita#key/fnp8s system administrator to ensure that the ecmcf000.dita#key/fnengine server is running. And, check if the task has been completed
	CDEWG5402E - CaseM The form was not opened I	lanager lecause yo	
	CDEWG5402E - CaseM The form was not opened	lanager lecause yo	
	CDEWG5403E - CaseM The form was not saved be	lanager cause you	Q Comments

Image of Configuration Knowledge Entry

Reporting Configuration

Choose the reporting configuration from the sidebar. This will open a list with the already configured reports. You have the possibility to create new reports or delete the selected report.

For more details please refer to the "Configuration Guide for ESM 5.5.11".

Administration Dashboard

The administration dashboard offers the possibility to adjust Server Settings, review the audit log, manage users and login modules, such as LDAP integration and administrate SMTP and SNMP forwarding.

Server

Once you have selected the server icon on the left, two options are offered. You can either adjust server settings or review the audit log.

Settings

Double-click on the Settings button to open the Server Settings. Currently, you can enable or disable the automatic deployment of the base monitoring for new agents and adjust the Database Cleanup configuration.

	I ESM 5.1-001		Monitoring	Configuration	Administration	? Help
🖋 Adr	ninistration 🖌 🧱 Server					
«	C	x ~				
	Settings General server settings.	✤ Settings				
<u>.</u>	D Audit Log User activities.	General server settings.				
a,		Monitoring				
\geq		Disable Base Monitoring For NewAgents:				
\mathcal{O}		Database Cleanup	0			
17		Database Cleanup Interval: 6 Note: For H2 databases it is not recommended to store more than 1.5 millior	i 0 n incidents and i	samples.		
		Database Max Incidents Count: 1.500.00	0			
		Database Max Samples Count 1.500.00	0 🌲			
		Max Reports Per Report Configuration: 10	0			

Image of Administration Server Settings

Audit Log

Choose the audit log icon from the sidebar. This will open the audit log on the right side of the sidebar. You have the possibility to reload the audit log.

| 28

IBM ESM 5.5.5.0-003	Monitoring Configuration Administration
🖋 Administration 🖌 🧱 Server	
« <i>C</i>	C ×
Settings General server settings.	Audit Log
User activities.	2021-02-12T08:05:56,128 User ID: 1 LOGIN SUCCEEDED SESSION { "roles" : ["admin"], "sessionId" : "4d8d031b-f6b6-4d4a-9187-105ff3cc1992", "sessionstart" : 1613113556121, "username" : "admin"}
\mathcal{Q}	
t ‡	
Image of Administration Server	Audit Log

User Management

Choose the user management icon from the sidebar. This will open a list containing all users. Per default only the admin account exists.

You have the possibility to create an internal or external user, remove the selected user or unlock a locked account.

For more details please refer to the "Configuration Guide for ESM 5.5.11".



Image of Administration Users

Login Module

Choose the login module icon from the sidebar. This will open a list of already created login modules. Per default no login module is available.

You have the possibility to create a new login module or remove the selected login module.

For more details please refer to the "Configuration Guide for ESM 5.5.11".



Image of Administration Login Module

Mail Server administration

Choose the Mail Server administration icon from the sidebar. This will open a list of already created mail server setups.

You have the possibility to create a new mail server setup or remove the selected setup.

For more details please refer to the "Configuration Guide for ESM 5.5.11".

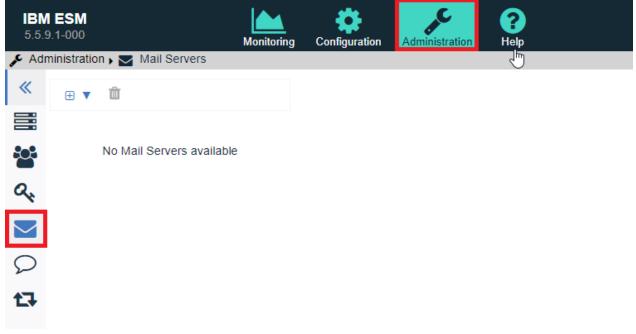


Image of Administration SMTP

Help Dashboard

The help dashboard offers the documentation as html. Select from one of the available documents on the left site:

- IBM Enterprise Content Management System Monitor Release Notes
- IBM Enterprise Content Management System Monitor User's Guide
- IBM Enterprise Content Management System Monitor Installation Guide
- IBM Enterprise Content Management System Monitor Configuration Guide
- IBM Enterprise Content Management System Monitor Probes and Situations Guide
- IBM Enterprise Content Management System Monitor Tasks Guide

	M ESM 0.0-SNAPSHOT	Monitoring	Configuration	Administration	P Help	
□ ● ★ ト ●	IBM Enterprise Content Management System Monitor Release Notes Frank Larisch, Michael Wohland Table of Contents • <u>1.Preface</u> ; • <u>1.1.About this document</u> ; • <u>1.3.Before you start</u> ; • <u>1.4.Where you find this guide?</u> • <u>1.5.Feedback on documentation</u> ; • <u>1.5.Feedback on documentation</u> ; • <u>2.Version Enhancements and Changes</u> ; • <u>3. Known Limitations;</u> • <u>4.Uograde Notes;</u> • <u>4.Uograde Notes;</u> • <u>4.1.Bigrating from ECM SM version 5.2.0.x</u> ; • <u>AppendixA: Cooyright notice</u> • <u>A.1.IBM Enterprise Content Management System Monitor (March 2018)</u>					
Imag	e of Help					

Information Sidebar

In the Configuration and Administration a sidebar on the right side is available. The sidebar can be toggled.

Depending on the selection of the left bar, different kind of information are shown in here. In some cases it is also possible to switch to related objects like subsystems or situations by double-clicking on the object name.

7/13 - 3mi	in ago	adı	min
CPE55 ContentPlatformEng	ine		<
Configuration			
Name	CPE55		
Listener Application	"IBM FileNet Conten		
Listener Instance	*		
Listener Application	*		
In	http://smcw2k16p8		
User	p8admin	*	
Subsystems			
LocalListener			
CPE55WASLOG			
CPE55P8ServerErr	orLog		
CPE55ICNJMX			
CPE55CPEJMX			
O BASEOS		*	
Referencing subsyste	ems		
B CM			
Probes			
V CeAdvancedStorag	eDirectReplicasFaile	*	
V CeAdvancedStorag	eRemoteReplicasFail		
😵 CeEngineStatus @			
😻 CeHealthPageStatus @ CPE55			
TeObjectstoreChan	igesFailed @ CPE55		
CeObjectstoreClbIn	terestBaseObjectsFai	-	

Image of Sidebar Right

ESM Operational Console

This section describes the "Operational Console" and the possibilities within this console.

Wordings

Probe

Script that is executed or continuously reader for gathering information on the agent.

Sample

Information that has been created during the execution of a probe. The sample is created on the agen and sent to the server.

Event

Evaluated information that has been created out of a sample and has a severity.

Incident

A subset of events, all events with a severity of at least warning level.

Operational Console areas

The default console when opening looks like the screenshot below. It has various sections.

- The Main Menu (on the left)
- The sidebar (list/tree of sections' items)
- The Main View (Content like overview or item details)

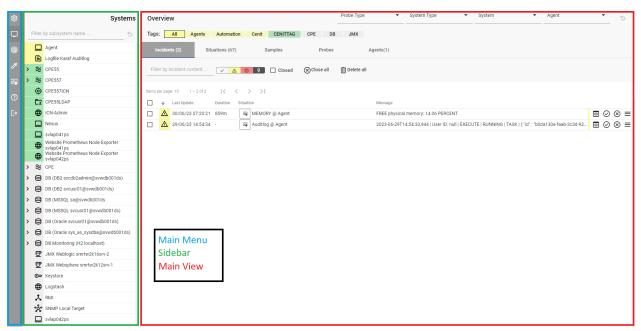


Image of Operational Console Description Overview

The Main Menu

On the left in this console is a main menu. The main menu automatically expands once the mouse is over it. It has several entries (buttons) which mainly can be used to control the information that is shown in the sidebar.

- The first button (Configuration) is used to switch back to the ESM Service Monitor Console.
- The next four buttons (Systems, Agents, Probes and Situation) are for the corresponding parts in the sidebar.
- The sixth button contains setting possibilities for maintenance.
- In the "Help" section you can find the same documentation as in the already described Help Dashboard
- The "Logout" button logs out of the system.

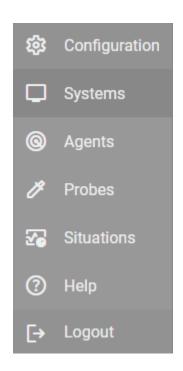


Image of Operational Console main menu

The sidebar

Depending on the selection from the main menu, the sidebar shows different information. Always at the top of the sidebar you have to possibility to use a textual filter for the list. Just enter your search criteria and the list will be filtered with a short delay - so a short pause during typing is also possible.

The Systems sidebar

Within the systems sidebar you can find all of your configured systems. The list is automatically sorted by severity - meaning the system with the highest severity is always at the top. Within the same severity, the list is in alphabetical order.

A system set that consists of several referenced subsystems can be expanded. In front of such a system set you might see two different colours. A "bubble" function that shows the highest severity of all of the systems (that are part of the system set - including the top level system) has been implemented. The first colour is always the highest severity of the set. The second colour, is the one of the entry itself. You can see an example in the screenshot below.

Systems that are shown in grey colour, currently do not have any kind of events.

F	ilter	by su	bsystem name 🕤
~	≋	CPE	557
		₫	CPE557CPEJMX
hg		Ç	CPE557Listener
	>	₿	OS01DB-SYSDBA
		₿	CPE557_CE_SystemLog
		₿	CPE557_PE_SystemLog
		₿	CPE557_SystemOutLog
		₫	CPE557ICNJMX
		₿	CPE557WASERRLOG
		₿	CPE557WASLOG
	>	四	OS01
		Age	nt
	₿	Logf	file Karaf Auditlog
>	≋	CPE	55
	0	CPE	557ICN
	•	CPE	55LDAP
	⊕	ICN-	Admin
		Nex	us
		svla	p041ps
	⊕		psite Prometheus Node Exporter p041ps
	⊕		site Prometheus Node Exporter p042ps
>	≋	CPE	
>	₿	DB (DB2 svcdb2admin@svwdb001ds)
>	₿	DB (DB2 svcusr01@svwdb001ds)
>	₿	DB (MSSQL sa@svwdb001ds
>	8	DB (MSSQL svcusr01@svwdb001ds)
>	8	DB (Oracle svcusr01@svwdb001ds)

Image of Systems sidebar

The Agents sidebar

Within the agents sidebar you can find all agents that are or have been connected. The list is automatically sorted by severity - meaning the agents with the highest severity is always at the top. Within the same severity, the list is in alphabetical order. The severity for an agent is based on the three basic probes (CPU, Diskspace and Memory)

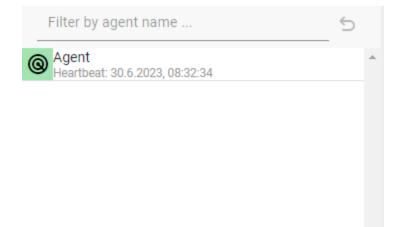


Image of Agents sidebar

The Probes sidebar

Within the probes sidebar you can find all probes that are set up. The list is sorted by name, active probes are on the top. The icon in front of the entry shows if the probe is active or not.

Filter by probeConfig name	5
🧪 Auditlog @ Agent	-
🎢 CeHealthPageStatus @ CPE557	
🧷 ContentNavigatorActiveStatus @ CPE557I	CN
🔗 ContentNavigatorPingPageStatus @ CPE5	57ICN
ContentSearchServicesFTSPerformance @) CPE
ContentSearchServicesIndexingErrors @ C	PE55
🖉 ContentSearchServicesIndexRequests @ C	PE55
🧷 CPU @ Agent	
🧷 CpuUsagePerProcess @ Agent	
🧪 DatabaseConnectionStatus @ OS01DB	
🧷 DatabasePerformance @ OS01DB	
🧷 DISKSPACE @ Agent	
🧪 HTTP WebStatusMonitor @ ICN-Admin	
🧷 JMX Database Pool Size @ CPE557CPEJN	ΛХ
MX FileNet Engine State @ CPE557CPEJ	MX
JMX JVM FreeMemory @ CPE557CPEJM	×
AdapConnection @ CPE55LDAP	
🌽 LdapPerformance @ CPE55LDAP	
🥟 MEMORY @ Agent	
🎢 MemoryUsagePerProcess @ Agent	
ObjectsNotStoredFinally @ CPE557	
🧷 ObjectstoreCustomQuery @ CPE557	
ObjectstoreLoadDocumentPerformance @) CPE5
ObjectstorePerformance @ CPE557	
ObjectstoreStorageAreaInformationSql @	CPE557
🧷 ObjectstoreStorageAreaStatusSql @ CPE5	57
🧷 OracleFreeTablespace @ OS01DB	
🥟 OracleTablespaceAvailable @ OS01DB-SY	SDBA

Image of Probes sidebar

The Situations sidebar

Within the situations sidebar you can find all situations that are configured. The list is automatically sorted by severity - meaning the situation with the highest severity is always at the top. Within the same severity, the list is in alphabetical order.

	Filter by situation name 5	
20	JMX FileNet Engine State @ CPE557CPEJMX Tags: Automation	*
20	Auditlog @ Agent Tags: Cenit	
	MEMORY @ Agent Tags: Automation,Agents	
	Tags: Automation,Agents CeHealthPageStatus @ CPE557	
	CeHealthPageStatus @ CPE557 Tags: Automation	
20	ContentNavigatorActiveStatus @ CPE557ICN Tags: Automation	
20	ContentNavigatorPingPageStatus @ CPE557ICN Tags: Automation	
	ContentSearchServicesFTSPerformance @ CPE Tags: Automation	
	ContentSearchServicesIndexingErrors @ CPE55 Tags: Automation	
20	Tags: Automation	
	ContentSearchServicesIndexRequests @ CPE55 Tags: Automation	
20	CPU @ Agent Tags: Automation,Agents	
	CpuUsagePerProcess @ Agent Tags: Automation	
5	DatabaseConnectionStatus @ OS01DB Tags: Automation	
	DatabasePerformance @ OS01DB Tags: Automation	
20	DISKSPACE @ Agent Tags: Automation,Agents	
20	HTTP WebStatusMonitor @ ICN-Admin Tags: Automation	
20	JMX Database Pool Size @ CPE557CPEJMX Tags: Automation	
	JMX JVM FreeMemory @ CPE557CPEJMX Tags: Automation	
	Lags: Automation LdapConnection @ CPE55LDAP	
20	LdapConnection @ CPE55LDAP Tags: Automation	
	LdapPerformance @ CPE55LDAP Tags: Automation	
ĽØ	MemoryUsagePerProcess @ Agent Tags: Automation	
20	ObjectsNotStoredFinally @ CPE557 Tags: Automation	
	ObjectstoreCustomQuery @ CPE557 Tags: Automation	
	Digs: Automation ObjectstoreLoadDocumentPerformance @ CPE5	
20	ObjectstoreLoadDocumentPerformance @ CPE5 Tags: Automation ObjectstoreDecformance @ CPE557	
20	ObjectstorePerformance @ CPE557 Tags: Automation	
20	ObjectstoreStorageAreaInformationSql @ CPE557 Tags: Automation	
20	ObjectstoreStorageAreaStatusSql @ CPE557 Tags: Automation	
	OracleFreeTablespace @ OS01DB Tags: Automation	
	OracleTablespaceAvailable @ OS01DB-SYSDBA Tags: Automation	
	OracleUserAccountStatus @ OS01DB-SYSDBA	

Image of Situations sidebar

The Users sidebar

At the top of sidebar, you have the possibility to add a new user or search for users by specifying a filter criteria. The lis shows the already existing users. Per default one user for each role exists - admin, operator and guest.

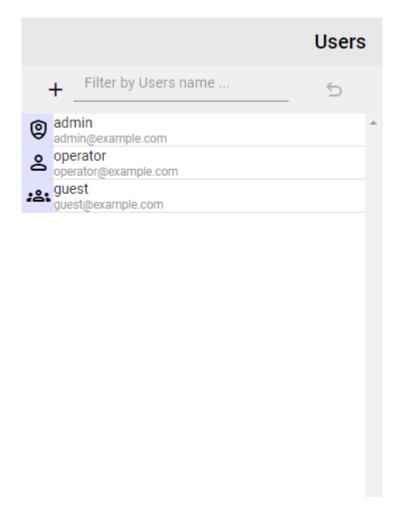


Image of Users sidebar

The Maintenance sidebar

At the top of sidebar, you have the possibility to add a new maintenance rule using the + button. This will open the editor for creating a new rule - Take a look in the configuriation guide for more information about setting up maintenance rules.

Furthermore the list shows the already created rules. If rules have been created for a single run (One-time event), they will be removed shortly after the execution time has passed. Only rules that are set and shown as enabled will be executed. Currently running rules are highlighted. The list is sorted, first the currently running rules are shown, then the rules that are enabled. At the end you will find the rules that are deactivated.

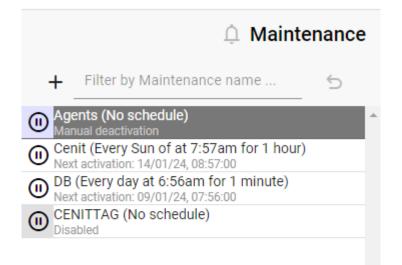


Image of Maintenance sidebar

The Help sidebar

Within the help sidebar you can find the documentation of ESM. The list is sorted in alphabetical order.

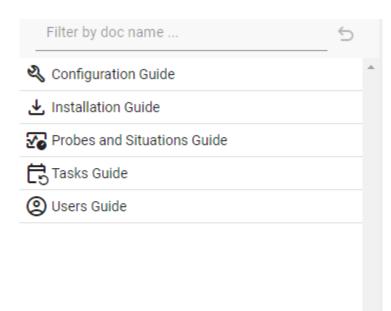


Image of Help sidebar

The Main View

The information that is shown in the main view depends on the selection of the main menu and the sidebar. Per default and when selecting anything from the main menu, but nothing from the sidebar, the "Overview" will be shown in this area. Once selecting something from the sidebar, more specific information about the selection from the sidebar will be shown.

Overview

Overview	Probe Type System Type System Type Agent Agent	>
All Automation Agents Cenit CENITTAG CPE DB Incidents (3) Situations (67) Samples Probes		
Filter by incident content Image: 10 1 - 3 of 3 Image: 4 Image: 5	II Delete all	
□ ↓ Last Update Duration Situation	Message	^
□ <u>∧</u> 29/06/23 14:54:34 - 🛛 🛱 Auditlog @ Agent	2023-06-29T14:54:33,944 User ID: null EXECUTE RUNNING TASK { "id" : "b0da130e-faab-3c3d-92 💿 🤗 🛞 🗄	
□ 🛆 30/06/23 09:18:18 977m 🐷 MEMORY @ Agent	FREE physical memory: 13.297 PERCENT	=
30/06/23 09:14:37 70m 🕼 JMX FileNet Engine State @ CPE557CPEJ	PEJMX 1 🗐 ⊘ 🛞 :	=

Incident Details	
Severity:	∆ WARNING
Timestamp:	29/06/23 14:54:34
Timestamp Created:	29/06/23 14:54:34
System:	Logfile Karaf Auditlog (Logfile)
Message:	2023-06-29T14:54:33,944 User ID: null EXECUTE RUNNING TASK { "id" : "b0da130e-faab-3c3d-92b9-da1ff75e57e8", "name" : "Probe PeLoadStatus DB Reconnect @ CPE557", "active" : false, "taskType" : "INTERI
Situation:	Auditlog @ Agent
Agent:	Agent Agent
Value:	20
Source:	/opt/IBM/phoenix/karaf/data/log/esm_audit.log
Classification:	N/A

Image of Overview

The overview for Systems, Agents, Probes and Situtions is the same as all of them are used for reviewing monitoring information in any kind. The overview for maintenance and help differs and will be described at the bottom of this section as seperate information.

In the overview for Systems, Agents, Probes and Situtions there are two sections.

Global Filter Section

At the top there is a global filter section. These filters define which information is available in the information section. You can select one or several entries of a certain type from Probe type, System type, System and Agent. Furthermore at the top, you have the possibility to click on a tag. That will also define the information that is available in the information section.

NOTE The selection within a type is a disjunction. The selection between several types is a conjunction. Between type and tag it's also a conjunction. Only the matching entries will be shown in the information section.

Information Section

In the information section you can find a total of 5 tabs - Incidents, Situations, Samples, Probes and Agents. Those can be used to browse the information from different point of views. Also the per default active tab depends on which selection you made in the main menu:

Table 1. Combination of main menu selection and Active Tab

Main menu	Active Tab
Systems	Incidents
Agents	Agents
Probes	Samples

Incidents Tab

The number in brackets behind the tab reflects the amount of shown events depending of your selection.

In the incident tab there are some more (local) filter possibillites.

- First you can use a textual filter, the function is the same as in the sidebar but the full content of the incidents is browsed for matching the criteria.
- You can use the severity filter to either show all events (Harmless and above) or Incidents when using a severity greater or equal to Warning. Just click on the Severity on the "slider".
- Use the check button in front of Closed to also list closed events.

Furthermore there are two buttons to either close all or delete all entries that are currently available in this information section. Although the list only shows a maximum of 10 entries, all are affected.

Filter by incident content	✓ ▲ (9) ♀	Closed	⊗Close all	间 Delete all	
----------------------------	-----------	--------	------------	--------------	--

Image of Overview Incident Filter

The list of incident can be sorted by clicking on the headers of the list columns.

A single click on an entry in the list, opens detail information at the bottom of this section.

verview	Probe Type	• =
gs: 5 All Automation Agents Cenit CENITTAG CPE DB JM	X	
	bbes Agents(1)	
CPU CPU CPU CPU CPU CPU CPU CPU CPU CPU CPU	filters 🛞 Close all 📊 Delete all	
ns per page: 10 1 - 4 of 4 < < > >		
Last Update 🦊 Duration Situation	Message	
14/12/23 10:37:48 0m 🏾 🎜 CPU @ Agent	Average CPU usage: 20.4% Measured values: 18%, 23%, 20%, 22%, 19%	◙ ⊘ ⊗
▲ 14/12/23 10:37:47 147m 🛛 🐼 CpuUsagePerProcess @ Agent	23.60 86 /opt/sm/agent/jre/bin/java -Dkaraf.instances=/opt/sm/agent/karaf/instances -Dkaraf.home	
✓ 14/12/23 10:37:43 148m 🚱 ProcessCount @ Agent	java 86 /opt/sm/agent/jre/bin/java -Dkaraf.instances=/opt/sm/agent/karaf/instances -Dkaraf.home=.	. 🛛 🖉 🛇
✓ 14/12/23 10:37:43 148m 🐼 MemoryUsagePerProcess @ Agent	568432.00 86 /opt/sm/agent/jre/bin/java -Dkaraf.instances=/opt/sm/agent/karaf/instances -Dkaraf.	
CPU @ Agent ତ Incident @ Agent & Situation Probe	Incident Details Severity: △ Warning Timestamp: 14/12/23 10:37.48	
CPU @ Agent Incident @ Agent Situation Probe		
	Øps Execute Probe Severity: △ Warning Timestamp: 14/12/23 10:37:48 14/12/23 10:37:18 Timestamp Created: 14/12/23 10:37:18 System: □ Agent (Host) Message: Average CPU usage: 20.4% Measured values: 18%, 23%, 20%, 22	
	Execute Probe Severity: A Warning Timestamp: 14/12/23 10:37:48 Timestamp Created: 14/12/23 10:37:18 System: D Agent (Host)	



20

A double click on an entry opens the context view. This pops up in front of the full console. It has cross references to System, Situation, Probe and Agent. Also you can review Incident details incl. a graph, Situation setup details and Probe setup details in here. Of course the view can be closed.

💿 CPU @ Agent		×
Average CPU usage: 3.8% Measured values: 15%, 1%, 1%, 1%, 1	%	
🔲 Agent 😨 Situation 🖋 Probe 🔞 Agent		
Incident Situation Probe		
Incident Details	- 1101/1700	
Severity: Timestamp:	✓ HARMLESS 30/06/23 11:28:08	
Timestamp.	30/06/33 11:25:06	
System:	30/06/23 11:27:08 □ Agent (Host) &	
Message:	Average CPU usage: 3.8% Measured values: 15%, 1%, 1%, 1%, 1%	
Situation:	CPU @ Agent	
Agent:	□ Agent	
Value:	3.8	
Source: Classification:	- cpu	
Samples		
00		
80		
60		
40 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
× Close		

Image of Overview Incident Context

In each event line you can find several buttons. The first one is next to the situation information and will cause switch to the situations main menu along with the selection of the situation in the main menu.

At the end of the line you find 4 more buttons. The first one is the same as the double click and opens the context view. With the second one you can acknowledge the entry. The third one is for closing the event. The last one opens a menu with further possibilities. Currently you can only delete the event here.

	30/06/23 11:33:38 0m	🐼 CPU @ Agent	Average CPU usage: 4.4% Measured values: 19%, 2%, 0%, 1%, 0%	◙⊘⊗≡
Image	of Overview Incider	nt Entry Buttons		

NOTE Per default the incidents tab only shows incidents and not all events. The is due to the severity filter which is set per default to Warning and above in this tab.

Situations Tab

The number in brackets behind the tab reflects the amount of situations depending of your selection.

In the incident tab there are some more (local) filter possibillites.

- First you can use a textual filter, the function is the same as in the sidebar. In this case the situation name is browsed for matching the criteria.
- You can use the severity filter to either show all events (Harmless and above) or Incidents when using a severity greater or equal to Warning. Just click on the Severity on the "slider".

Filter by situation name	 Image: A second s	\mathbb{A}	()	Ģ	

Image of Overview Situation Filter

The Situation tab information is structured as a heat map. The situations with the highest severity will always be at the top left, corner. Within the severity it is sorted by alphabetical order.

Selecting a Situation in the map, will open a context information at the bottom along with cross references to the Incident Context, Situation Details and Probe Details. Also the probe can be executed ad hoc from here.

Overview			Probe Ty	pe ▼ Sy	vstem Type 🔹	System	✓ Agent	• 5
Tags: 5 All Auto	mation Agents Cenit		DB JMX					
Incidents (4)	Situations (52)	Samples	Probes	Agents(1)				
Filter by situation nam	ne 🗸 🛆 🕐	🖇 🕤 Reset filters						
eLoadStatus A	PeLoadStatus D	PeQueueCount	PeQueueStatisti	PeRosterCount	ContentSearchS	ContentSearchS	DatabaseConne	DatabasePerfor
-1	-1	-1	-1	-1	-1	-1	-1	-1
dapConnection	LdapPerformanc	ObjectsNotStore	ObjectstoreCust	ObjectstorePerf	ObjectstoreStor	ObjectstoreStor	OracleFreeTable	OracleTablespa
-1	-1	-1	-1	-1	-1	-1	-1	-1
racleUserAcco	SubscriptionRet	CPU @ Agent	CpuUsagePerPr	MEMORY @ Age	PCH LDAP Sear	PCH OS01 DB S	PCH OS01 Doc	PCH OS01 Fold
-1	-1	23	24	10	-1	-1	-1	-1
CH OS01 Queu	PCH OS01 SA O	PCH OS01 SA O	PCH Roll Forwar	CeHealthPageSt	ContentNavigat	ContentNavigat	ContentSearchS	DISKSPACE @
-1	-1	-1	-1	1	1	1	-1	61
ttpResponseTi	HttpStatusMonit	JMX Database P	JMX FileNet Eng	JMX JVM FreeM	MemoryUsageP	ObjectstoreLoad	PortReachable	PortReachable
7	1	3	1	90,976,912	555	-1	1	1
rocessCount	Svlap041ps Disk	re Svlap041ps M	lemoryFr Svlap04	2ps DiskFre Svla	p042ps MemoryFi	r Swapspace @ A	SyncServerPing	
	0 (00 410 0						1	
CPU @ Agent	Incident @Agent	t 🌄 Situation 🔗	Probe 🧷 Execute P	Probe				>
				- CPU @ Agent				
)				1 1 .				
WWW	WWW	WWW	AMAMA	MMMM		MMMM	MMMM	
¥ * *		• • • • • • • •	• 4 • 4 • 4	• • • • •	т х V V	Y Y Y Y	<u> </u>	1.1.1.1.1.1
09:40	09:45 09:50	09:55	10:00	10:05 10:10	10:15	10:20 1	0:25 10:30	10:35

Image of Overview Situation Details

NOTE

Per default the situations tab shows all situation from all severities. The local filter for severity is set per default to Harmless and above in this tab.

Samples Tab

In the samples tab there is no local filter option. The list shows the latest samples with a maximum of ten entries per page. The list is automatically updated and sorted by the timestamp per default.

Selecting an entry from the list, will open a context information at the bottom along with cross references to the Incident Context, Situation Details and Probe Details. Also the probe can be executed adhoc from here.

Overview					System Type	▼ Sy:		Agent	· 5
Tags: 5 All Automation Incidents (4) Situa	Agents Cenit	CENITTAG CPE Samples		JMX Probes Agents	s(1)				
tems per page: 10 1 – 10 of 10	I< < 2	> >1							
nestamp 🦊	Probe			Message			Error		
14/12/23, 10:39:18	🧪 CPU @ Age			Average CPU usage: 3	31.4% Measured values: 14%, 40%	, 33%, 31%, 39%			
14/12/23, 10:39:17		PerProcess @ Agent		23.56 86 /opt/sm/age	ent/jre/bin/java -Dkaraf.instances	=/opt/sm/agent/	karaf/instan		
14/12/23, 10:39:13		unt @ Agent		java 86 /opt/sm/agen	nt/jre/bin/java -Dkaraf.instances=/	/opt/sm/agent/k	araf/instanc		
14/12/23, 10:39:13	MemoryUs	agePerProcess @ Ag	ent	568436.00 86 /opt/sn	m/agent/jre/bin/java -Dkaraf.insta	inces=/opt/sm/a	gent/karaf/i		
			20 Daula	A Second Desite	S	Sample Details			
주 CPU @ Agent	ent @Agent	∵ Situation	∦ Probe	Ø _₽ Execute Probe		Sample Details Timestamp:	14/12/23 10:39:18		×
	ent @Agent	Situation	5	Ø _b Execute Probe	т		14/12/23 10:39:18		×
ই টি CPU @ Agent তি Incide ০ ০	ent @Agent	-•	5	₿ Execute Probe	T S	imestamp:	🖵 Agent	31.4% Measured values: 14%	
)))	ent @Agent	-•	5	K Execute Probe	S N	imestamp: System:	🖵 Agent	31.4% Measured values: 14%	
)))	nt @Agent	-•	5	C Execute Probe	T S N S	imestamp: System: Message: Situation:	Agent Average CPU usage: CPU @ Agent	31.4% Measured values; 14%	
	nt ⊚Agent	-•	5		т s лаладаталададал	Timestamp: Bystem: Message: Bituation: Agent:	Agent Average CPU usage:	31.4% Measured values: 14%	
0	int @Agent	-•	5			imestamp: System: Message: Situation:	Agent Average CPU usage: CPU @ Agent	31.4% Measured values: 14%	

Image of Overview Samples Details

NOTE The selected list entry can disappear from the list due to updates, but the context will stay available.

Probes Tab

In the Probes tab there are some more (local) filter possibilities.

- First you can use a textual filter, the function is the same as in the sidebar. In this case the probe name is browsed for matching the criteria.
- You can use the status filter to either show all or only active/inactive probes.

Filter by probe name	✓ Active	🖋 Both	× Inactive	∏Tiles
N				

Image of Overview Probes Filter

The list view lists all probes. Selecting an entry from the list, will open a context information at the bottom along with cross references to the Incident Context, Situation Details and Probe Details. Also the probe can be executed ad hoc from here.

	Probe Type System Type	System 🔻 Agent	. .
Overview			· 5
Tags: 🕤 All Automation Agents Cenit CENITTAG CPE DB JMX			
Incidents (4) Situations (52) Samples Probes	Agents(1)		
Filter by probe name ✓ Active Ø Both × Inactive Seset filters			
Active 🦊 Probe	System	Agent	A
Auditlog @ Agent	Logfile Karaf Auditlog	Agent	
CeHealthPageStatus @ CPE557	CPE557	Agent	
ContentNavigatorActiveStatus @ CPE557ICN	CPE557ICN	Agent	
ContentNavigatorPingPageStatus @ CPE557ICN	CPE557ICN	Agent	
ContentSearchServicesFTSPerformance @ CPE55	CPE55	Agent	
ContentSearchServicesIndexingErrors @ CPE55	CPE55	Agent	
ContentSearchServicesIndexRequests @ CPE55	CPE55	Agent	
CPU @ Agent	Agent	Agent	
CpuUsagePerProcess @ Agent	Agent	Agent	
DatabaseConnectionStatus @ OS01DB	OS01DB	Agent	
DatabasePerformance @ OS01DB	OS01DB	Agent	
DISKSPACE @ Agent	Agent	Agent	
HttpResponseTime @ ICN-Admin	ICN-Admin	Agent	
HttpStatusMonitor @ ICN-Admin	ICN-Admin	Agent	
JMX Database Pool Size @ CPE557CPEJMX	СРЕ557СРЕЈМХ	Agent	
JMX FileNet Engine State @ CPE557CPEJMX	CPE557CPEJMX	Agent	×
😵 CPU @ Agent 💿 Incident 🔞 Agent 🌄 Situation 🖉 Probe	𝔅 Execute Probe		×
70	CPU @ Agent		
60			
50			
40			
30 N.		1111010101010101	<u> </u>
	MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM	$\mathcal{F}(\mathcal{M}) \to \mathcal{F}(\mathcal{M}) \to F$	<i>┨</i> ₩₩₩₩₩₩₩₩
10	A - A A A A A A A	A A A A A A A A A A A A A A A A A A A	
0 09:45 09:50 09:55 10:00	10:05 10:10 10:15 10:2	0 10:25 10:30	10:35
Image of Overview Probes Details List			
inage of Greiview Flobes Details List			

Agent Tab

In the agents tab you can textually filter for agent label.

Filter by agent label ...

Image of Overview Agents Filter

© Copyright CENIT AG 2000, 2024 © Copyright IBM Corp. 2005, 2024 Furthermore the agents along with severity of agent basic probes are shown as a map.

Overview Tags: <u>All Automation Agents Centre</u> Incidents (4) Situations (52) Filter by agent label	Samples Prob	_	System Type 👻	System	 Ein Chrome-Update ist seit 2 Tagen verfügbar Dein Administrator empfiehlt dir, Chrome neu zu starten, um dieses Update durchzuführen Jetzt neu starten
Agent Status Online Octifical CPU Diskspace					
Memory	 ∂				

Image of Overview Agents Details

NOTE In this tab no additional details when selecting an agent are shown.

Multiselection within the tabs

In the Incident, Situation, Samples and Probes tab you can multiselect entries by holding the CTRL key on your keyboard and selecting the entries with the mouse or selecting the entries with the check at the beginning of the lines.

For all selected entries a graph is shown in the section below the list. If several entries are selected, the details part will disappear. See example screenshot below.

ESM Operational Console The Main View

ver	vie	w	_			Host							-	5
ags:	1	b All Automation	Agents	Cenit	CENITTAG CPE	DB JMX								
Inc	ident	ts (10) Si	tuations (9)		Samples	Probes	Agen	ts(1)						
Filter	r by ii	ncident content	 ✓ ▲ 		👂 🗌 Closed	S Reset filters	Close all	ii Delete all						
ns pe	er pag	e: 10 1 – 10 of 10	1<	<	> >1									
		Last Update 🔸	Duration	Situatio	on		Message							
	⚠	14/12/23 07:42:57	7,533m	20	CpuUsagePerProcess @	Agent	20.90 86 /opt/sm/	agent/jre/bin/jav	a -Dkaraf.in	stances=/opt/sm/a	0	\odot	\otimes	E
J	≙	14/12/23 07:42:57	0m	20	CPU @ Agent		Average CPU usag	e: 20.6% Measur	ed values: 1	9%, 22%, 23%, 19%, 2	٥	\oslash	\otimes	Ξ
]	~	14/12/23 07:42:53	7,533m	20	PortReachable Nexus @	Nexus	repository-ecmrd0	1.de.cenit-group.	com:8081 is	s reachable within 3	0	\odot	\otimes	-
	~	14/12/23 07:42:53	7,534m	20	MemoryUsagePerProces	ss @ Agent	623548.00 86 /opt	/sm/agent/jre/bi	n/java -Dka	raf.instances=/opt/s	0	\odot	\otimes	-
	≙	14/12/23 07:42:53	138m	20	MEMORY @ Agent		FREE physical me	nory: 14.516 PER	CENT		0	\odot	\otimes	E
]	~	14/12/23 07:42:53	7,534m	5	ProcessCount @ Agent		java 86 /opt/sm/a	gent/jre/bin/java	-Dkaraf.inst	ances=/opt/sm/age	0	\odot	\otimes	Ξ
]	~	14/12/23 07:42:53	7,534m	20	DISKSPACE @ Agent		FREE disk space o	n overlay: 60.815	PERCENT		0	\odot	\otimes	Ξ
]	~	14/12/23 07:42:53	7,534m	20	DISKSPACE @ Agent		FREE disk space o	n /dev/mapper/s	ysmvg-sys	mdatalv: 60.815	٥	\odot	\otimes	Ξ
]	~	14/12/23 07:42:53	7,534m	20	PortReachable svlap041	ps @ svlap041ps	svlap041ps.de.cer	nit ⁽ roup.com:80	is reachable	e within 1.0ms	0	\odot	\otimes	-
)	~	14/12/23 07:42:53	7,534m	20	Swapspace @ Agent		FREE swap space:	99.041 PERCEN	Г		0	\odot	\otimes	3
2 14		DRY @ Agent 🛛 🐱	Coulloogo	DorDr	aaaaa 🔿 Agant									;
		oki @ Agent -•	Cpuosage	Feiri										
					MEMC	DRY @ Agent 🛛 🗕 🗕	CpuUsagePerProcess	@ Agent						
		nana ana Kamputa			lein former needen bereite		andes Mais Could	and Dee Draw service						

Image of Overview Multiselect

Overview for Users

The overview for Users lists all configured users. For each user entry buttons at the end of the line are available. You can use them to edit, delete, unlock or enable/disable the account.

Ove	rview							
	User Name	Role	Full Name	E-mail	External	Actions		Enable
9	admin	admin	Administrator	admin@example.com	_		•	
2	operator		لرع Operator Example user	operator@example.com	_		<u> </u>	
:8:	guest	guest	Guest Example user	guest@example.com	-		ſ	
mao	e of Overview Users							

Overview for Maintenance

The overview for Maintenance shows the currently configured maintenance rules along with some additional information. Such as state, tags used for the rule, schedule, duration and unit, start and end time and next activation/deactivation. Also at the end of each entry is a button for deleting the rule. When selecting a entry from the list more information about the affected situations (Name, System and Tags) are shown at the bottom. Doubleclicking an entry will open the specific information view for this rule, same as when selecting the entry from the sidebar.

↓ 							
	-	Tags	Schedule	Duration		Next Activation Next Deactivat	
) ACTIVE		Agents	No schedule	-	•	• •	Ū
) ENABLED		Cenit	Every Sun of at 7:57am for 1 hour	1	HOUR	1/14/24 08:57:(-	Ũ
) ENABLED		DB	Every day at 6:56am for 1 minute	1	MINUTE	1/9/24 07:56:00-	Ū
) DISABLED		CENITTAG	No schedule	-	-	· ·	Ū
Situations	ly in mair	ntenance mode					
Name			System		Tags		
CPU @ Agent			Agent		Automation,Agents		
	It		Agent		Automation,Agents		
DISKSPACE @ Ager	it		Agent		Automation,Agents		

Image of Overview Maintenance

Overview for Help

This view is empty by default.

Specific Information Views

The following Views are shown, once a specific entry from the sidebar is selected.

Detailed View for System

The detailed view for a selected System almost looks like the "Overview". The filter at the top are missing but you can find a summary information instead. The content of "Subsystems" can also be used to browse between the specified subsystems. The summary can be minimized if not needed.

The Incidents, Situations and Probes tab are the same as in the overview, only the content is already prefiltered and only shows the information of the selected system in the sidebar.

As you can see in the screenshot below, there are no Incidents for the selected system CPE55, neither CPE55 has one, nor any of the referenced systems (BASEOS, CPE55CPEJMX, CPE55Listener or FNBASEDB).

		Systems	CPE55
F	ilter	by subsystem name 5	Summary A
~	□ ■ ≈ >		Subsystems Properties © CPE5SCPEJMX ContentPlatformEngine © CPE5SListener ListenerApplication: © RPSSD8 ListenerApplication:: © RPBASEDB ListenerApplication:: © RPBASEDB ListenerApplicationVersion: © RPBASEDB UstenerApplicationVersion: © RPBASEDB UstenerApplicationVersion: © RPBASEDB UstenerApplicationVersion:
		(CPE55Listener	
	>	FNBASEDB	Incidents (0) Situations (0) Probes (3)
>	≋	CPE557	
	0	CPE557ICN	Filter by incident content 🗸 🙆 🦻 🗌 Closed 🛞 Close all 🔟 Delete all
	Γ.	CPE55LDAP	
	⊕	ICN-Admin	Hems per page: 10 O of 0 < < > >
		Nexus	Last Uddate Duration Situation Message
		svlap041ps	
	⊕	Website Prometheus Node Exporter svlap041ps	No items found for selected filter
	۲		
>	≋	CPE	
>	8	DB (DB2 svcdb2admin@svwdb001ds)	
>	0	DB (DB2 svcusr01@svwdb001ds)	

Image of Details View for Systems

Detailed View for Agents

The detailed view for a selected Agent also has a summary part at the top. The summary lists the Health Status of the Agent (CPU, Diskspace and Memory information are used for that).

The recent tasks that have been executed on this agent are shown. You can review the task context via double click on the entry. A pop-up will open containing the task context information. Of course this can be closed.

🛱 Task: Remote Example Task
State
SUCCEEDED
Code
1337
Result
ExampleTask has been executed with parameter value: 10000 and subsystem Agent

Close

Image of Details View for Agents Task Context

Furthermore you can see detailed Agent information.

At the bottom of the view you find the already known information from the Probes tab. In this case the list is filtered already and only shows the probes of the selected agent.

2

Agents	Agent	
Filter by agent name 5	Summary A	
Contract: 17 / 2022 (00 54 09	Health Status Recent Tasks CPU 03/07/23, 08.57.30 Remote Example Task Diskspace 03/07/23, 08.55.00 Remote Example Task Memory 03/07/23, 08.55.00 Remote Example Task 03/07/23, 08.55.00 Remote Example Task 03/07/23, 08.55.00 Memory 03/07/23, 08.55.00 Remote Example Task 03/07/23, 08.55.00 Remote Example Task 03/07/23, 08.55.00 V 03/07/23, 08.55.00 Remote Example Task 03/07/23, 08.55.01 Remote Example Task 03/07/23, 08.55.00	Agent 03/07/23, 08.56 Agent 105 Status: ONLINE Agent 105 Status: ONLINE Agent 105 Initialiatoriantaria Version: 5.5.11.0-00-story-17319-angular-uil Agent 105 Initialiatoriantaria: vylap012ts Agent 105 ONLINE Agent 105 Initialiatoriantaria: vylap012ts Agent 105 Agent05: LINUX_X85_X64
	Filter by probe name Active Both × Inactive Tiles	
	Active V Probe	System
	CeHealthPageStatus @ CPE557	
	Content/NavigatorActiveStatus @ CPE557ICN	
	ContentNavigatorPingPageStatus @ CPE557ICN	CPE557ICN
	ContentSearchServicesFTSPerformance @ CPE55	CPE55
	ContentSearchServicesIndexingErrors @ CPE55	CPE55
	ContentSearchServicesIndexRequests @ CPE55	CPE55
	CPU @ Agent	Agent
	CpuUsagePerProcess @ Agent	Agent
	DatabaseConnectionStatus @ OS01DB	OS01DB
	DatabasePerformance @ OS01DB	OS01DB
	DISKSPACE @ Agent	Agent
	HTTP WebStatusMonitor @ ICN-Admin	CN-Admin
	JMX Database Pool Size @ CPE557CPEJMX	СРЕ557СРЕЈМХ
	JMX FileNet Engine State @ CPE557CPEJMX	СРЕ557СРЕЈМХ
	JMX JVM FreeMemory @ CPE557CPEJMX	СРЕ557СРЕЈМХ
	LdapConnection @ CPE55LDAP	CPE55LDAP
	LdapPerformance @ CPE55LDAP	CPE55LDAP
	MEMORY @ Agent	Agent

Image of Deatils View for Agents

×

Detailed View for Probes

In the summary part at the top you can activate/deactivate the probe, execute (adhoc) the probe or show the situation details. Clicking on Show Situation Details will open the situation details view which is described below.

Along with that you can see a list of samples from the probe and a graph for the values of the last hour is shown.

Probes	CPU @ Agent					
Filter by probeConfig name 5	Summary 🔨					
🗡 Auditlog @ Agent	🔴 🔲 Deactivate Probe 🛛 🔀	Show Situation Details 🛛 🖧 Execute Prob	e Deactivate Probe			
🥕 CeHealthPageStatus @ CPE557	Type: Cpu , Mode: Metric					
ContentNavigatorActiveStatus @ CPE557ICN	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
ntentNavigatorPingPageStatus @ CPE557ICN	RequestCount: 5					
ContentSearchServicesFTSPerformance @ CPE						
ContentSearchServicesIndexingErrors @ CPE55	Items per page: 10 1 - 10 of 11	$ \langle \langle \rangle \rangle$				
🗡 ContentSearchServicesIndexRequests @ CPE55	Timestamp 🕹	Message		Error	Value	A
🥕 CPU @ Agent	03/07/23, 10:50:07	Average CPU usage: 10,6% Measured values	: 9%, 29%, 13%, 0%, 2%			10.6
🖋 CpuUsagePerProcess @ Agent	09/07/09 10:40:59	Average ODI Leases 2.05: Massured values:	100 50 00 10 00			· · · ·
🖉 DatabaseConnectionStatus @ OS01DB	# mmm					
AatabasePerformance @ OS01DB	78 <u>~~~~~</u> 09:55	10:00 10:05 10	10 10:15 10:			10:40 10:45 10:5
🥕 DISKSPACE @ Agent	05.33	10.00	10.15 10.	10.25	10.30	10/10 10/10
/ HTTP WebStatusMonitor @ ICN-Admin						
🎢 JMX Database Pool Size @ CPE557CPEJMX						
AMX FileNet Engine State @ CPE557CPEJMX						
MX JVM FreeMemory @ CPE557CPEJMX						
/ LdapConnection @ CPE55LDAP						
🖉 LdapPerformance @ CPE55LDAP						
🥕 MEMORY @ Agent						
Arent Memoryl IsagePerProcess @ Agent						

Image of Details View for Probes

Detailed View for Situations

The summary part at the top shows information about the current evaluation mappings. Also the tags of the selected situation are shown. The bottom part the same information as in the incident tab of the Overview. Per default the harmless events are filtered in this part. In the below screenshot the Harmless Events are shown (the filter was adjusted). The functionality is also the same as in the Incident tab.

Situations	CPU @ Agent
Filter by situation name 🕤	Summary A
MEMORY @ Agent	Evaluation
DatabaseConnectionStatus @ OS01DB Tags: Automation DatabasePerformance @ OS01DB Tags: Automation ClapConnection @ CPE55LDAP Tags: Automation	Mappings: If error matches +, set severity to CRITICAL If value < 20, set severity to HARMLESS If value < 80, set severity to KRITICAL If value > 80, set severity to CRITICAL
LdapPerformance @ CPE55LDAP	or else set severity to FATAL
ObjectsNotStoredFinally @ CPE557	Tags
ObjectstoreStorageAreaInformationSql @ CPE557	Automation
ObjectstoreStorageAreaStatusSql @ CPE557	Agents
Tags: Automation Tags: Automation	Filter by text ocurrence Closed O IS Close all Delete all
OracleUserAccountStatus @ OS01DB-SYSDBA	Items per page: 10 1 - 1 of 1 < < > >
SubscriptionRetryError @ CPE557 Tags: Automation	□ Lattbate ↓ Duration Message ^
CeHealthPageStatus @ CPE557 Tags: Automation	□ ✓ 03/07/23 11:00:52 2m Avrage CPU usage: 3.8% Measured values: 12%, 4%, 1%, 1%
ContentNavigatorActiveStatus @ CPE557ICN Tags: Automation	
ContentNavigatorPingPageStatus @ CPE557ICN Tags: Automation	
ContentSearchServicesFTSPerformance @ CPE_ Tags: Automation ContentSearchServicesIndexingErrors @ CPE55	
Tags: Automation	
Tags: Automation	
CPU @ Agent Tags: Automation Agents CpuUsagePerProcess @ Agent Tags: Automation	
Tags: Automation UISKSPACE @ Agent Tags: Automation,Agents	
Tags: Automation, Agents HTTP WebStatusMonitor @ ICN-Admin	l Incident Context
Tags: Automation	00
JMX FileNet Engine State @ CPE557CPEJMX	50
JMX JVM FreeMemory @ CPE557CPEJMX	40
MemoryUsagePerProcess @ Agent	
ObjectstoreCustomQuery @ CPE557	20 A A A A A A A A A A A A A A A A A A A
Tags: Automation ObjectstoreLoadDocumentPerformance @ CPE5 Tags: Automation ObjectstorePerformance @ CPE557	° <u>∕₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩</u>
indulectstorePerformance to CPESS7	

Image of Details View for Situations

Detailed View for Users

When selecting an user from the sidebar, the details view for the user is opened. Within the view buttons for editing, deleting unlocking and enabling/disabling are shown.

Furthermore, the view offers additional (detailed) information for the user - account and contact information.

admin	
🖉 Edit 🗐 Delete 🚽 Unlock 💶 Enabled	
Account	Contact information
Role: admin	Full Name: Administrator
Authentication: Internal	E-Mail: admin@example.com
	Phone:
	Room:

Image of Details View for Users

Detailed View for Maintenance

The summary part in the detailed view for a maintenance rule has an edit and delete button, as well as a slider button for enabling/activating or deactivating the rule. The edit button will open the editor for this rule - Take a look in the configuration guide for more information about setting up maintenance rules. The slider will distinguish the state active or enabled by the schedule. If no schedule is used, the rule will become directly active, if a schedule is used that does not fit the current time, the rule will be enabled. Disabled is used for keeping the rule stored without execution.

Furthermore some sections for the tags used in this rule, the schedule information and next activation (if rules is enabled) are shown. The lower part shows more information about the affected situations (Name, System and Tags).

Agents (No schedule)		
C Edit Delete Active		🖹 Summary 🤸
Tags	Schedule No schedule	/
Items affected when this rule is active No schedule		
Situations		
Name System		Tags
CPU @ Agent Agent		Automation,Agents
DISKSPACE @ Agent Agent		Automation,Agents
MEMORY @ Agent Agent		Automation,Agents

Image of Details View for Maintenance Rule

User Management

Clicking on the + above the sidebar in the users menu or using the edit functionality for an existing users opens the user editor. Within the editor you can:

- · Specify the account name
- · Select which role the account should have
- Enter an e-mail address (optional)
- Specify and confirm the password (if the account is internal otherwise greyed out)
- Give a full name, phone number and room (optional)
- · Enable/disable the account
- · Select if the account should have the session timeout enabled
- · Select if the account is authenticated externally

₽New	/ User	
~	×	
	Account Name *	
C F	Role *	
(Operator	•
I	Email	
I	Password *	Q
F	Password must contain at least 10 chars with 1 uppercase, 1 lowercase, 1 digit	
	Confirm Password	Ŕ
I	Full Name	
	Phone number	ه
1	Room	
	Enabled	
	Session Timeout Enabled	
] External	
lmage o	of User Editor	

Tag Manager

The Tag Manager can be opened by clicking on the word "Tags" next to the tags and filter section in the Overview.

The Tag Manager opens as a pop up in front of the console and looks like this:

Γag Manager 🔒				×
add and select a custom Tag to assign Situa	tions:			
	Tags		Situations	
New Tag		+ Add	Filter by name	Ċ
Automation			Auditlog @ Agent	
Agents			CeAdvancedStorageDirectReplicasFailed @ Agent	
JMX			CeHealthPageStatus @ CPE557	
DB			ContentNavigatorActiveStatus @ CPE557ICN	
Cenit			ContentNavigatorPingPageStatus @ CPE557ICN	
			ContentSearchServicesFTSPerformance @ CPE55	
			ContentSearchServicesIndexingErrors @ CPE55	
			ContentSearchServicesIndexRequests @ CPE55	
			CPU @ Agent	
			CpuUsagePerProcess @ Agent	
			DatabaseConnectionStatus @ OS01DB	
			DatabasePerformance @ OS01DB	
			DB (DB2 svcusr01@svwdb001ds) Incident Count	
			DB (MSSQL svcusr01@svwdb001ds) Incident Count	

Image of Tag Manager

Adding new tag

Before a tag can be assigned to a situation, it has to be added. Therefore click in the field that says "New Tag..." and enter the tag name. Click on the "+ Add" button afterwards to add the tag to the tag list.

Assigining a tag to a situation

After a tag is created it can be selected in the tag list. Once a tag is selected, the situation list becomes active. Already assigned situations will be shown at the top of the list and the list is sorted in alphabetical order. You can assign new or additional situation by clicking on the checkbox next to the situation. Once clicked, the assignment is directly activated and the situation will also be shown at the top of the list.

Removing a tag

For removing a tag simply remove all assignment. If a tag is not assigned within any situation, it will automatically be deleted when you leave the Tag Manager.

Filtering the situation list

You can filter the situation list by using the text field above the list. Just type the search string in the filter. Only the situation where the string matches will be shown.

Reporting of Backend Errors

In the console you can see if errors in the backend occur or if the backend is not reachable. A banner at the top of the page will appear that lists the error.

\$	18.03 24 09 12:39 Server not responsive while accessing 'News And Noteworthy' (The	rerver could be down, temporarily unreachable, or ignoring unsecure requests.)	×
88			
 	Status Overview Show incidents		
© ⁄⁄	Systems	Agents	Maintenance
	1 fatal	1 online	1 active
8	9 critical		1 disabled
0 , ?	1 warning 4 harmless		
?	- Hammoo		
€→	All Systems All Situations	All Agents	All Maintenance rules
	Common steps		
	Monitoring	Maintenance Schedule maintenance mode	Help Open documentation
	News and Noteworthy		~

Image of Backend Error

Messages and Error Codes

Source	Formatted LogId	Explanation	Action
LogIdAccess	CDESD6501I or W or E	The user has no permission to execute the requested action.	Please check your permissions or ask your administrator to change them.
	CDESD6502I or W or E	The user has permission to execute the requested action.	Informs about successful authorization.
LogIdAgent	CDESA5501I or W or E	Adding one or more new agents failed.	Check the detailed error message for the specific reason.
	CDESA5502I or W or E	Runtime Fault.	Verify if there are any other previous messages, leading to this exception.
	CDESA5503I or W or E	No Data Available.	Check the input. However, it is not necessarily a mistake.
LogIdArgs	CDESC2501I or W or E	Incorrect or missing argument.	This should not happen in production code. Search the log for a hint what went wrong, but it is possible, there is no such log entry.
LogIdConfig	CDESD2001I or W or E	Invalid configuration was provided.	Please check the product configuration.
	CDESD2002I or W or E	Reading configuration was successful.	Informs about successful configuration import/loading.
	CDESD2003I or W or E	Reading configuration failed.	Please check the product installation.
	CDESD2004I or W or E	Saving configuration was successful.	Informs about successful configuration export/saving.
	CDESD2005I or W or E	Saving configuration was failed.	Please check the product installation.
	CDESD2006I or W or E	A configuration could not be removed.	Verify if the format of the configuration was correct and the configuration which should be removed exists.
	CDESD2007I or W or E	A property was supposed to be set, but failed.	Please check the product's configuration.
	CDESD2008I or W or E	A property was tried to be loaded, but failed due to unknown reasons.	Please check the product's configuration.
	CDESD2009I or W or E	A problem occured while trying to send a email.	Please make sure the configuration is valid.
	CDESD2010I or W or E	Configuration was not found.	Please check the product's installation.
LogIdDb	CDESD6001I or W or E	Connection failed.	Please check your DB configuration.

Table 2. List of possible errorcodes

Source	Formatted LogId	Explanation	Action
	CDESD6002I or W or E	Updating the database failed.	Probably a problem occurred by modifying the request.
	CDESD6003I or W or E	An error occured while trying to write to the database.	Please make sure the database is available and check it's configuration.
	CDESD6004I or W or E	An error occured while trying to read from the database.	Please make sure that the database is available and check its configuration.
	CDESD6005I or W or E	There was a locking issue, while trying to perform a transaction.	Verify if another process locks the specific database resource and free it.
	CDESD6006I or W or E	A previous transaction failed. A database rollback will be performed.	Check previous log messages to find out the reason of the rollback.
	CDESD6007I or W or E	A relation between two or more database items did not exist.	Check the request and verify if the requested items hava a relation to each other, via your database management console.
	CDESD6008I or W or E	A database action was about to be performed, but a required property of the query was not set.	Check the query and verify which item was missing.
	CDESD6009I or W or E	An item was added / moved / updated. This message informs the user about the performed action.	Nothing to be done.
	CDESD6010I or W or E	There was an exception, related to a specific JPA component, whose reason was not further specified.	Read the print of the stack trace in the log file to get further information.
	CDESD6011I or W or E	An error occured while trying to remove an item from the database.	Please make sure the database is available and check it's configuration.
LogIdIo	CDESC3501I or W or E	File already exists.	Change the name of the file being created or delete the file that is already there.
	CDESC3502I or W or E	A file (or directory) cannot be created/removed.	Verify if the file or directory which was about to be created, exists and can be accessed.
	CDESC3503I or W or E	A file (or directory) is of an invalid type or {@code null}.	Please check that the file or directory is valid.
	CDESC3504I or W or E	Attempting to open a file or resource failed.	Please check that the file or resource is in the proper directory and can be accessed.
	CDESC3505I or W or E	Attempting to delete a file or resource failed.	Please check that the specified file is not in use.
	CDESC3506I or W or E	Attempting to close a file or resource failed.	Please check that the specified file is not in use and your current OS user has the rights to access the file.

Source	Formatted LogId	Explanation	Action
	CDESC3507I or W or E	Attempting to write a file or resource failed.	Please check that the specified file is not in use and your current OS user has the rights to access the file.
	CDESC3508I or W or E	Attempting to read a file or resource failed.	Please check that the specified file is not in use and your current OS user has the rights to access the file.
	CDESC3509I or W or E	Could not reach the destination via network.	Please make sure that networking is configured and the host is reachable.
	CDESC3510I or W or E	Character encoding problems.	Probably the character encoding is not supported.
	CDESC3511I or W or E	General I/O Error.	There can be several reasons why this I/O error occurred, please contact support.
	CDESC3512I or W or E	A connection to the requested system could not be established.	Please make sure that you have entered the correct connection parameters. Refer to the documentation of the system, you want to connect to.
	CDESC3513I or W or E	A connection was successfully established.	Informational message about a successful connection.
	CDESC3514I or W or E	A connection was or is about to be closed.	Informational message about a connection closing process.
	CDESC3515I or W or E	A connection was unintendedly lost.	The connection to the system was unexpectedly lost. Verify if the system is available.
LogIdOsgi	CDESC4001I or W or E	Attempting to look up the service failed.	Open the OSGi console to check if the service is available.
	CDESC4002I or W or E	A service could not be started.	Please check the log message for missing dependencies or runtime exceptions.
	CDESC4003I or W or E	A service could not be reinitialized.	Verify if dependent services are available or if another required component is missing.
LogIdReflectio n	CDESC4501I or W or E	A requested method was not found via Java reflection.	Please change method name configuration if possible.
	CDESC4502I or W or E	The security manager denied the execution.	Please configure the security manager appropriately.
	CDESC4503I or W or E	A requested class was not found.	Please configure the classpath appropriately and check if the JAR files have the latest version.
	CDESC4504I or W or E	The internal object could not be copied.	Please contact the support.
LogIdSecurity	CDESC7001I or W or E	The user does not exists	Create user.

Source	Formatted LogId	Explanation	Action
	CDESC7002I or W or E	The user account is deactivated	Activate the user account.
	CDESC7003I or W or E	The user account is locked	Unlock the user account.
	CDESC7004I or W or E	User account was locked because the maximum failed login attempt of was reached.	Unlock the user account.
LogIdTask	CDESC6001I or W or E	A task could not be executed successfully	Depending on the task's logic this could be a technical or a user input issue.
LogIdThread	CDESC5001I or W or E	An error occurred while trying to access another thread.	Please restart the service and try again. If the error persists, please contact support.
	CDESC5002I or W or E	A thread was interrupted.	Please restart the service and try again. If the error persists, please contact support.
	CDESC5003I or W or E	An unspecified runtime exception occurred.	Verify if there are any other previous messages, leading to this exception.
LogIdValidatio n	CDESM3001I or W or E	A validation check succeeded.	Informal message; nothing else is to do.
	CDESM3002I or W or E	A validation check did not succeed, but this is valid.	Informal message; nothing else is to do.
	CDESM3003I or W or E	A validation check did not succeed, but was expected to succeed.	Informal message; nothing else is to do.
	CDESM3004I or W or E	A URL which was about to be parsed, did not have the correct format.	Verify in the log file, what the URL looked like and enter the URL in the correct format.
	CDESM3005I or W or E	A String object did not have the correct format.	Verify in the log file, what the string looked like and enter the String in the correct format.
	CDESM3006I or W or E	A value which was supposed to be created, already exists.	Decide whether to override the already existing value or to leave it.
	CDESM3007I or W or E	A value which was supposed to be from a specific datatype, had a different datatype.	This is an internal issue and should be reported to the distributor of the software.
	CDESM3008I or W or E	A numeric value was supposed to be transformed to a string, but had a incorrect format.	Verify if the given value had a valid number format.

Accessibility conform Controls

ESM can be controlled only with the keyboard, no mouse is needed. The following shows the list of shortcuts and control keys:

- The "Tab" key can be used to browse through the different available entries inside the console.
- Arrow keys, page up and down or pos1 and end are used to select an entry within the favored grid (e.g. a list or line). In nested lists the list can only be browsed using arrow up and down. Page up and down and pos1 and end will not work.
- Use space or ctrl + space to select or deselect an entry in the list or the line.
- Enter is the same as double-click on a selected entry (mostly this opens an editor).
- Alt + c means cancel within an editor (valid for Chromium-based browsers).

ESM uses JAVA based encryption mechanisms. These mechanisms are FIPS 140-2 conform.

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IBM Enterprise Content Management System Monitor

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