

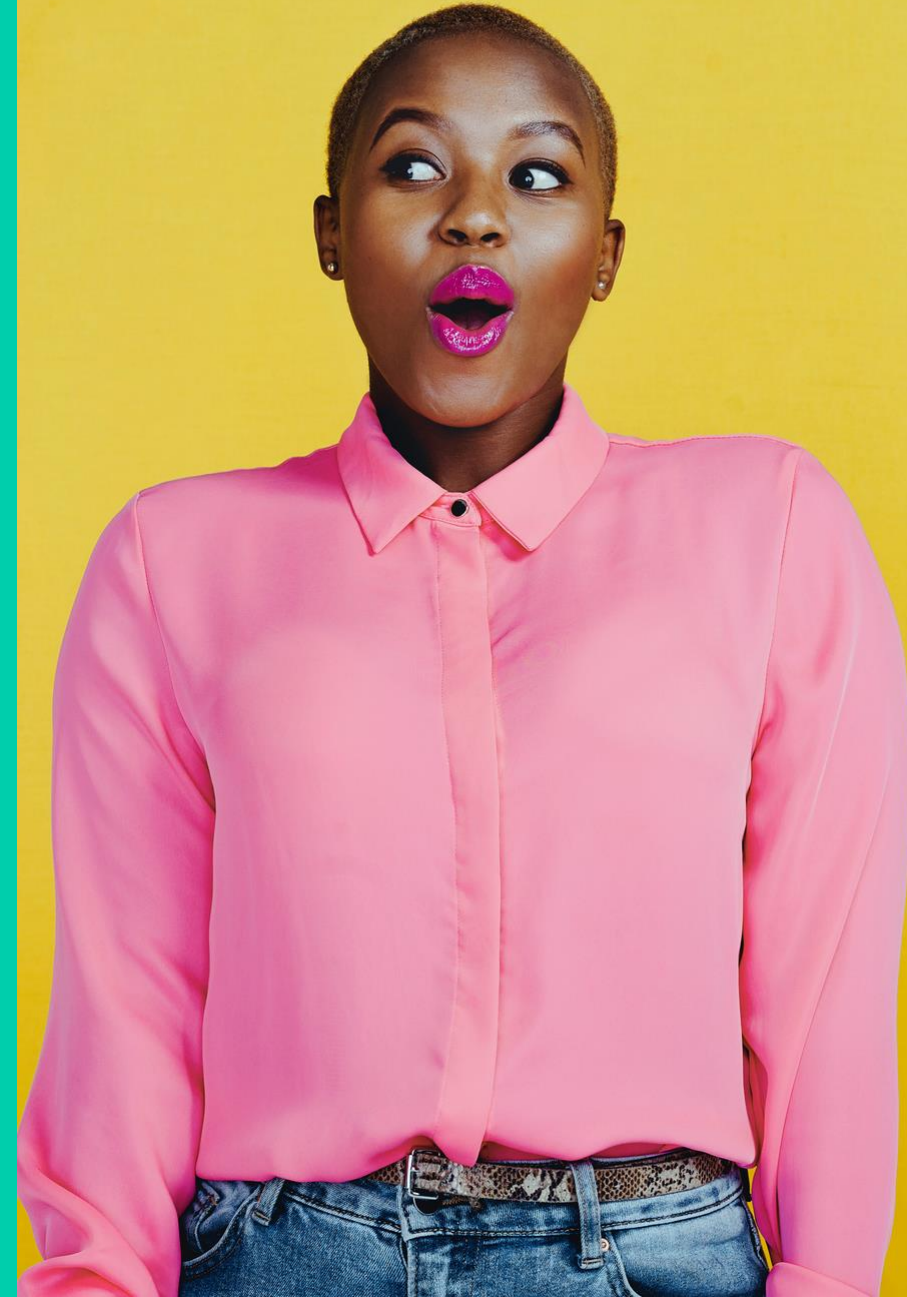


# SAP Community Call for SAP Cloud ALM Experts

Customer Communications & Relations for ALM, SAP SE

March 06, 2024

Public



# Agenda

# Agenda for March 6, 2024

**1** Welcome

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**2** **News in Job & Automation Monitoring**

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**3** We ask, you answer | Menti poll

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**4** Additional Information

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**5** You ask, we answer | Q&A

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# Speakers



Konstantin Werthmann



Gergely Spiry



Tim Steuer



Stefan Lahr

# **News in Job & Automation Monitoring**

# Abstract

With Job & Automation Monitoring in SAP Cloud ALM, currently it is possible to monitor SAP S/4HANA Application Jobs, SAP ABAP Jobs, SAP BW Process Chains, SAP Build Process Automation Jobs (or SAP Intelligent RPA jobs) and SAP Business Workflow.

SAP Job Scheduler Service jobs can be monitored in a custom BTP Application with some instrumentation effort as described [here](#).

The collected job execution data is provided aggregated (hourly and lower resolution) to [SAP Cloud ALM Analytics](#) for external usage (e.g. for Grafana Consumption).

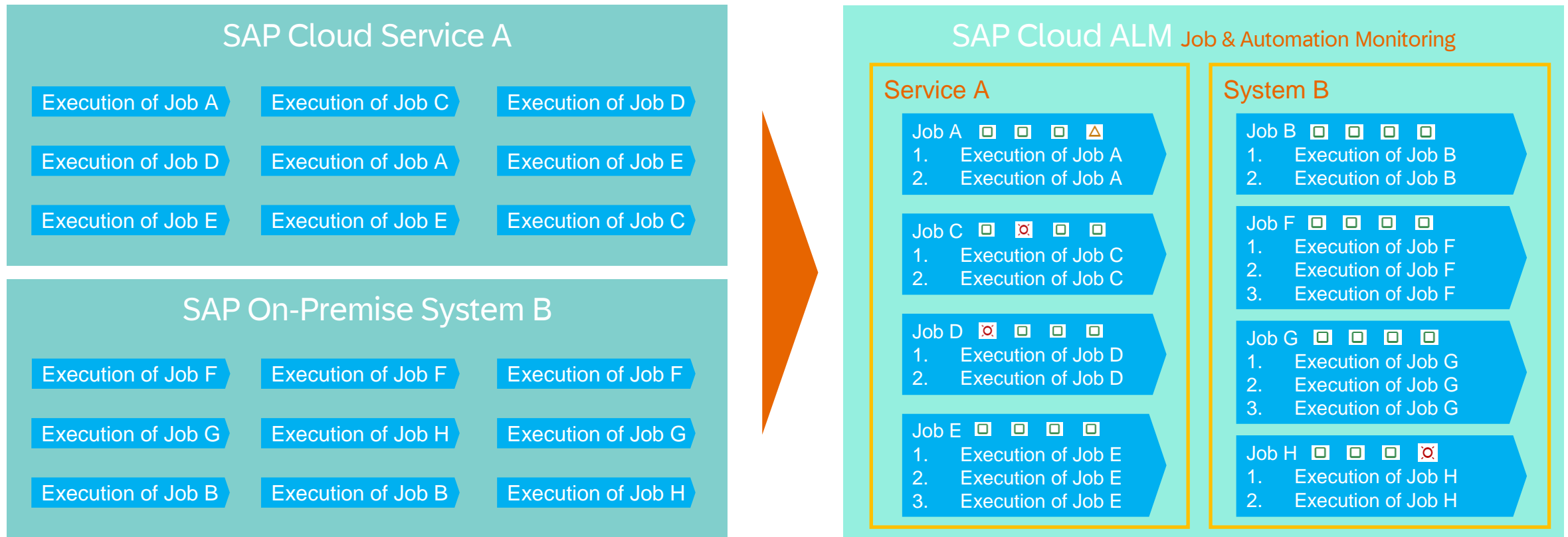
We plan to offer monitoring for further job and automation types, like SAP BTP scheduler jobs (not only in custom BTP Applications), SAP Build Process Automation Processes and SAP Digital Manufacturing Processes.

In this session, we will show the general usage of the application and how alerting can be configured.

# **Job & Automation Monitoring in SAP Cloud ALM:** **General Concept, Scope and Prerequisite**

# General Concept Job & Automation Monitoring in SAP Cloud ALM

Jobs and workflows are executed in the managed cloud and on-premise services. The individual executions are captured (start, end times, and status) by the local execution infrastructures. Customers can choose to forward execution data to SAP Cloud ALM, where the individual execution data is assembled and correlated with definition data.





# Scope of Job & Automation Monitoring in SAP Cloud ALM

Job & Automation Monitoring in SAP Cloud ALM currently supports monitoring of the following job types:

- SAP S/4HANA application jobs
- SAP Intelligent RPA jobs / SAP Build Process Automation Jobs
- SAP ERP Central Component - ABAP jobs
- SAP ERP Central Component - BW process chains
- SAP Business Workflow instances
- SAP Job Scheduling Service Job (of a BTP customer built application)

The following solutions are supported:

- SAP SuccessFactors Employee Central Payroll
- SAP S/4HANA Cloud
- SAP Marketing Cloud
- SAP Intelligent Robotic Process Automation / SAP Build Process Automation
- SAP Integrated Business Planning for Supply Chain
- SAP Business Suite
- SAP BTP ABAP and Cloud Foundry Environment
- S/4HANA private cloud edition, S/4HANA

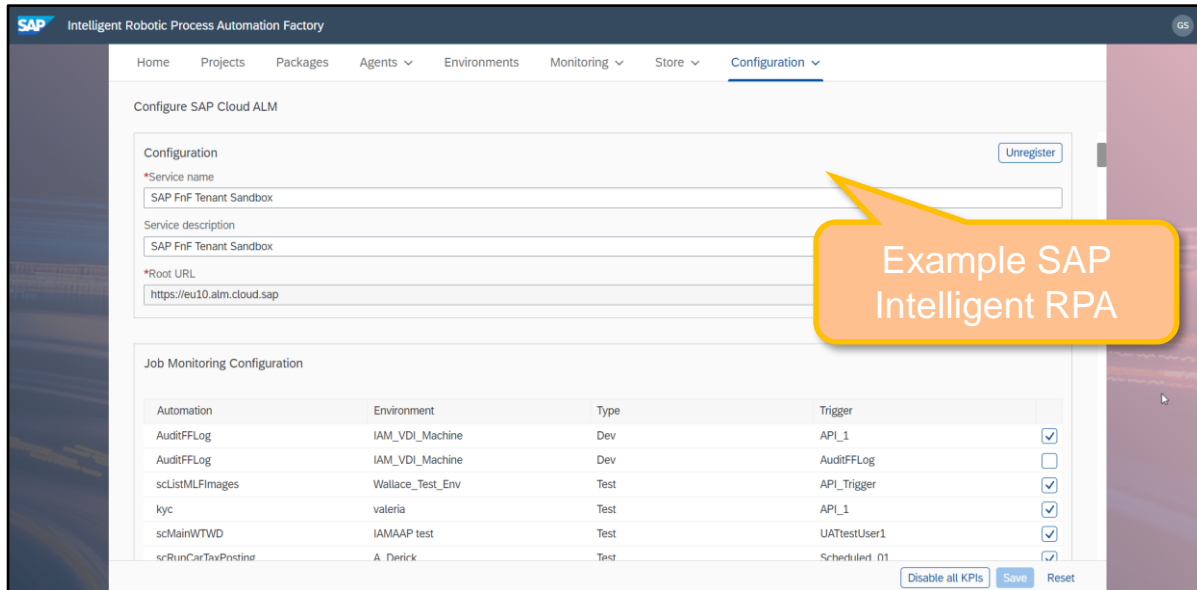
# Prerequisite for Job & Automation Monitoring in SAP Cloud ALM

## Prerequisites

- The type of the job or automation must be supported by SAP Cloud ALM
- You need to have authorization for Job & Automation Monitoring

## Setup

- In the sending service, data push configuration needs to be done as documented in [Expert Portal](#)



The screenshot shows the 'Configure SAP Cloud ALM' page in the SAP Intelligent Robotic Process Automation Factory. The page is divided into two main sections: 'Configuration' and 'Job Monitoring Configuration'.

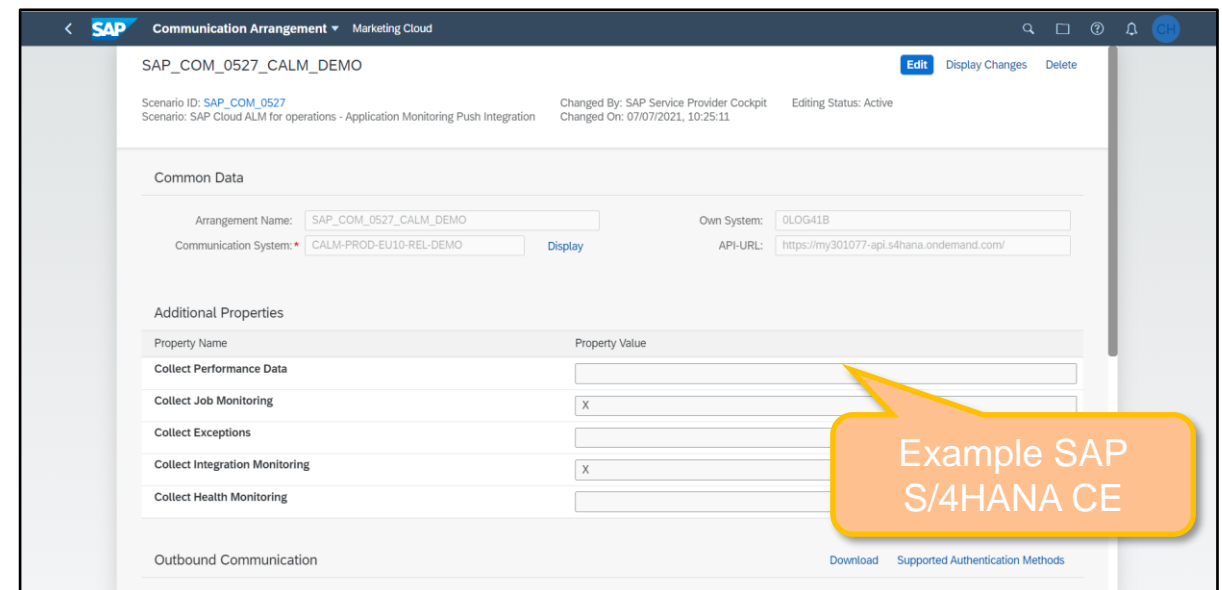
**Configuration Section:**

- \*Service name: SAP FnF Tenant Sandbox
- Service description: SAP FnF Tenant Sandbox
- \*Root URL: https://eu10.alm.cloud.sap

**Job Monitoring Configuration Section:**

Automation	Environment	Type	Trigger	
AuditFFLog	IAM_VDI_Machine	Dev	API_1	<input checked="" type="checkbox"/>
AuditFFLog	IAM_VDI_Machine	Dev	AuditFFLog	<input type="checkbox"/>
scListMLFimages	Wallace_Test_Env	Test	API_Trigger	<input checked="" type="checkbox"/>
kyc	valeria	Test	API_1	<input checked="" type="checkbox"/>
scMainWTWD	IAMAAP test	Test	UATTestUser1	<input checked="" type="checkbox"/>
scRunCarTaxProcline	A_Derick	Test	Scheduled.01	<input checked="" type="checkbox"/>

An orange callout bubble points to the 'Configuration' section with the text: "Example SAP Intelligent RPA".



The screenshot shows the 'Communication Arrangement' configuration page in SAP. The arrangement is named 'SAP\_COM\_0527\_CALM\_DEMO' and is associated with the scenario 'SAP Cloud ALM for operations - Application Monitoring Push Integration'.

**Common Data Section:**

- Arrangement Name: SAP\_COM\_0527\_CALM\_DEMO
- Own System: 0LOG41B
- Communication System: CALM-PROD-EU10-REL-DEMO
- API-URL: https://my301077-api.s4hana.ondemand.com/

**Additional Properties Section:**

Property Name	Property Value
Collect Performance Data	<input type="checkbox"/>
Collect Job Monitoring	<input checked="" type="checkbox"/>
Collect Exceptions	<input type="checkbox"/>
Collect Integration Monitoring	<input checked="" type="checkbox"/>
Collect Health Monitoring	<input type="checkbox"/>

An orange callout bubble points to the 'Additional Properties' section with the text: "Example SAP S/4HANA CE".

# Configuration of Data Push in SAP ERP Central Component via Report /SDF/ALM\_SETUP

SAP Setup for SAP ALM

1. Choose existing destination or provide a new destination name

Target ALM Destination: **CALM\_EXP\_STABLE**

Last changed by: ATC\_EXECUTE Last changed at: 2021-07-07 22:46:01

2. Maintain HTTP destination

Update destination  Delete destination

3. Enter registration target

Target ALM Root URL:

Background User:

Register Register at target ALM and schedule job.

Unregister Unregister at target ALM and stop job.

4. Choose usecase(s) to be collected

Activate usecases  1/7 Configured tasks

Example SAP ERP Central Component

SAP Job Overview

Job overview from: 12.07.2021 at: : :  
to: 12.07.2021 at: : :  
Selected job names: CALM\*  
Selected job names: \*

Released  Ready  Active  Finished  Canceled

Event ID:  
Program name :

JobName	Job CreatedBy	Status	Start date	Start Time	Duration(sec.)	Delay (sec.)
<input type="checkbox"/> CALM Scheduler CALM_EXP_STABLE	KUMARANKUO	Finished	12.07.2021	17:38:54	0	1
<input type="checkbox"/> CALM Heartbeat CALM_EXP_STABLE	KUMARANKUO	Finished	12.07.2021	17:37:54	0	2
<input type="checkbox"/> CALM Scheduler CALM_EXP_STABLE	KUMARANKUO	Finished	12.07.2021	17:33:54	0	1
<input type="checkbox"/> CALM Heartbeat CALM_EXP_STABLE	KUMARANKUO	Finished	12.07.2021	17:32:54	0	2
<input type="checkbox"/> CALM Scheduler CALM_EXP_STABLE	KUMARANKUO	Finished	12.07.2021	17:28:54	2	1
<input type="checkbox"/> CALM Heartbeat CALM_EXP_STABLE	KUMARANKUO	Finished	12.07.2021	17:27:54	0	2
<input type="checkbox"/> CALM Scheduler CALM_EXP_STABLE	KUMARANKUO	Finished	12.07.2021	17:23:53	3	0
<input type="checkbox"/> CALM Heartbeat CALM_EXP_STABLE	KUMARANKUO	Finished	12.07.2021	17:22:54	0	2
<input type="checkbox"/> CALM Scheduler CALM_EXP_STABLE	KUMARANKUO	Finished	12.07.2021	17:18:54	0	1
<input type="checkbox"/> CALM Heartbeat CALM_EXP_STABLE	KUMARANKUO	Finished	12.07.2021	17:17:53	1	1
<input type="checkbox"/> CALM Scheduler CALM_EXP_STABLE	KUMARANKUO	Finished	12.07.2021	17:13:54	0	1
<input type="checkbox"/> CALM Heartbeat CALM_EXP_STABLE	KUMARANKUO	Finished	12.07.2021	17:12:54	0	2
<input type="checkbox"/> CALM Scheduler CALM_EXP_STABLE	KUMARANKUO	Finished	12.07.2021	17:08:54	0	1
<input type="checkbox"/> CALM Heartbeat CALM_EXP_STABLE	KUMARANKUO	Finished	12.07.2021	17:07:54	0	2
<input type="checkbox"/> CALM Scheduler CALM_EXP_STABLE	KUMARANKUO	Finished	12.07.2021	17:03:54	0	1
<input type="checkbox"/> CALM Heartbeat CALM_EXP_STABLE	KUMARANKUO	Finished	12.07.2021	16:57:54	0	2
<input type="checkbox"/> CALM Scheduler CALM_EXP_STABLE	KUMARANKUO	Finished	12.07.2021	16:53:54	0	1

Periodic job for heartbeat and data push.

Details here:

<https://support.sap.com/en/alm/sap-cloud-alm/operations/expert-portal/setup-managed-services/setup-abap.html>

# **Job & Automation Monitoring in SAP Cloud ALM:** **Using the Application**

# Using Job & Automation Monitoring in SAP Cloud ALM (1/9)

## Get overview on overall job situation

- **Overview** provides information on the job and automation status of every service in your scope
- You can drill down into
  - the list of jobs
  - the list of alert situations for the service

**SAP Job & Automation Monitoring** | Last Refresh : Nov 29, 2023, 1:07:08 PM

Overview | Time Frame: 11/27/23, 1:07 PM - 11/29/23, 1:07 PM | Services/Systems: pt6-001.wdf.sap.corp, QM7002

Service	Job Name	With Technical Exceptions	With Application Exceptions	With High Run Time	Open Alerts
pt6-001.wdf.sap.corp SAP Integrated Business Planning	SAP Application Job (95)	30	51	0	33
QM7002 SAP S/4HANA	SAP BW Process Chain (2), SAP ABAP Job ...	19	18	4	1

**SAP Job & Automation Monitoring** | Last Refresh : Nov 29, 2023, 1:07:08 PM

Alerting | Order By: Current Rating, Last Updated

Alerts (34)

Alert Name and Message	Managed Components	Object Details
<b>Critical Appl Status for IBP Planning job detected</b> Latest Application Status is Yellow	pt6-001.wdf.sap.corp	NAME = Planning Model Activation (PA: KAJTORSAP6)   TYPE = SAP Application Job
<b>Critical Appl Status for IBP Planning job detected</b> Latest Application Status is Yellow	pt6-001.wdf.sap.corp	NAME = Planning Model Activation (PA: ZRFCONV)   TYPE = SAP Application Job
<b>Critical Appl Status for IBP Planning job detected</b> Latest Application Status is Yellow	pt6-001.wdf.sap.corp	NAME = Planning Model Activation (PA: TSSAP6)   TYPE = SAP Application Job
<b>Critical Appl Status for IBP Planning job detected</b>	pt6-001.wdf.sap.corp	NAME = Planning Model Activation (MD: G22LAG)   TYPE = SAP Application Job

**SAP Job & Automation Monitoring** | Last Refresh : Nov 29, 2023, 1:07:08 PM

Monitoring | Time Frame: 11/27/23, 1:21 PM - 11/29/23, 1:21 PM | Services/Systems: QM7002

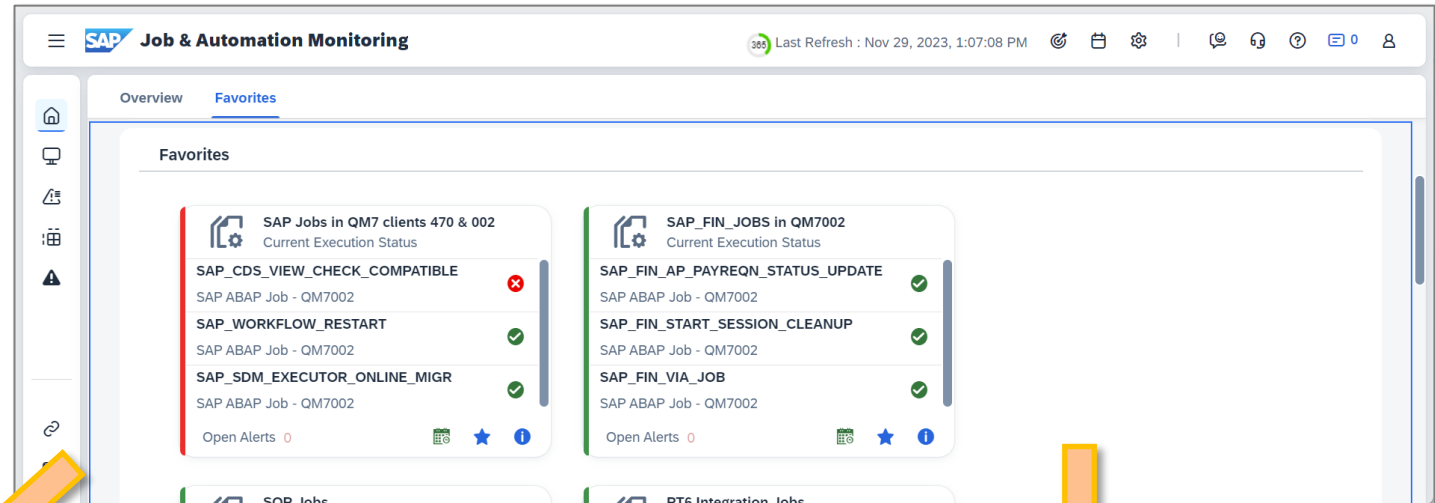
Services/Systems / Jobs or Automations | Rating is propagated from the list of job executions

Name	Type	Executi...	Applicatio...	Start D...	Run Ti...	Service/System	Ope...
/ILT/UC_REP_CNTR_9CV	SAP ABAP Job	✗	✗	✓	✓	QM7002	1
/IWFND/APPL_LOG_CLEANUP	SAP ABAP Job	✗	◇	✓	⚠	QM7002	0
C4C_HY53000010_OUTBOUND	SAP ABAP Job	✗	◇	✓	✓	QM7002	1
SUT_AUNIT_RUNNER/CM-CPE RDSGN-Q	SAP ABAP Job	✗	◇	✓	✓	QM7002	0
SENTIMENT ASSIGNMENT	SAP ABAP Job	✗	◇	✓	✓	QM7002	1
POST_STATUS_UPDATE	SAP ABAP Job	✗	◇	✓	✓	QM7002	1
ZR_TBA_BASIS_RANDOM	SAP ABAP Job	✗	◇	✓	✓	QM7002	0
SAP_CDS_VIEW_CHECK_COMPATIBLE	SAP ABAP Job	✗	◇	✓	✓	QM7002	0

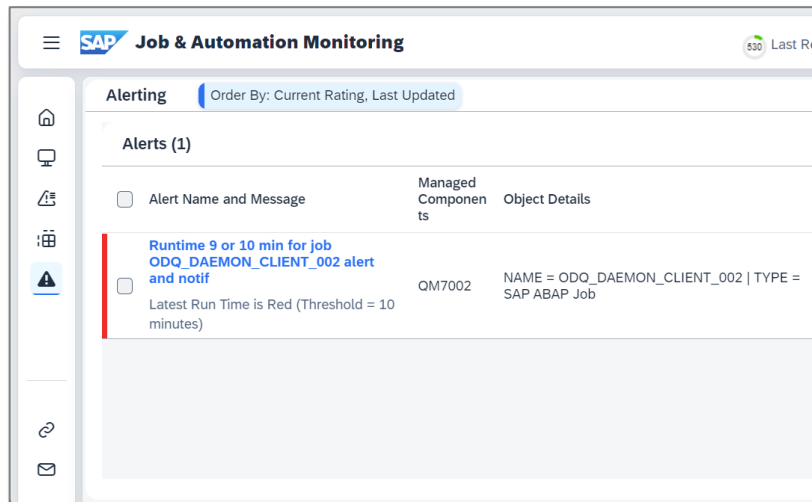
# Using Job & Automation Monitoring in SAP Cloud ALM (2/9)

## Get overview on specified jobs situation

- Via **Favorites** you can get summary information on jobs and automations that you have specified
- You can drill down into
  - the list of jobs
  - the list of alert situations for the jobs

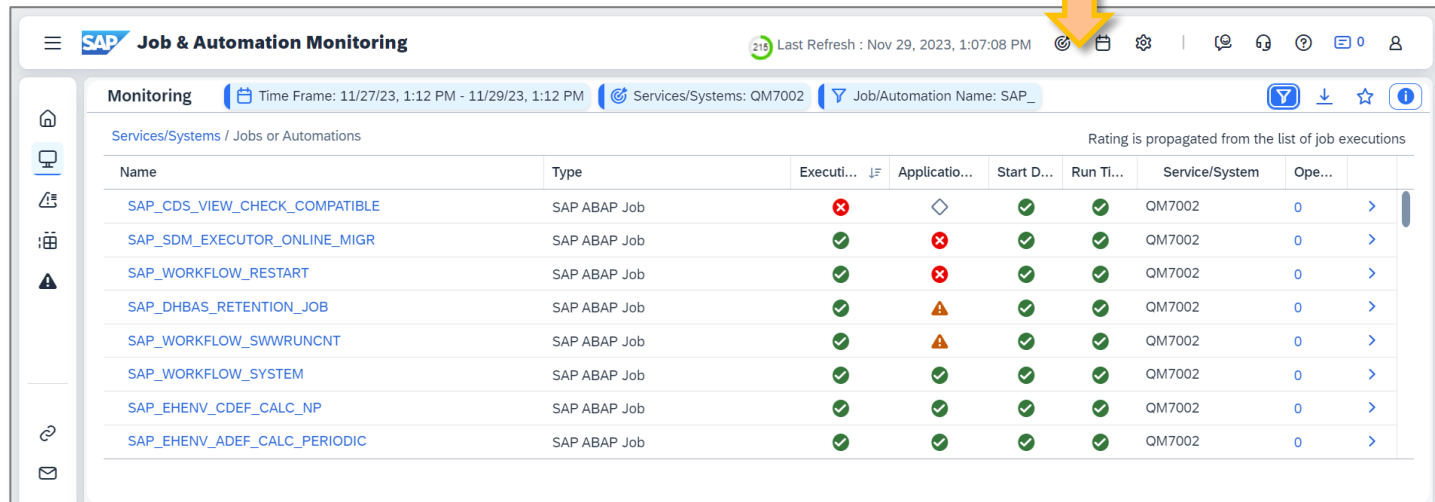


The screenshot shows the 'Favorites' section of the SAP Job & Automation Monitoring interface. It displays two summary cards for 'SAP Jobs in QM7 clients 470 & 002' and 'SAP\_FIN\_JOBS in QM7002'. The first card shows a red status for 'SAP\_CDS\_VIEW\_CHECK\_COMPATIBLE' and green for others. The second card shows green status for all listed jobs. Both cards indicate 'Open Alerts 0'.



The screenshot shows the 'Alerting' section of the SAP Job & Automation Monitoring interface. It displays a table with one alert:

Alert Name and Message	Managed Components	Object Details
<input type="checkbox"/> Runtime 9 or 10 min for job ODO_DAEMON_CLIENT_002 alert and notif Latest Run Time is Red (Threshold = 10 minutes)	QM7002	NAME = ODO_DAEMON_CLIENT_002   TYPE = SAP ABAP Job



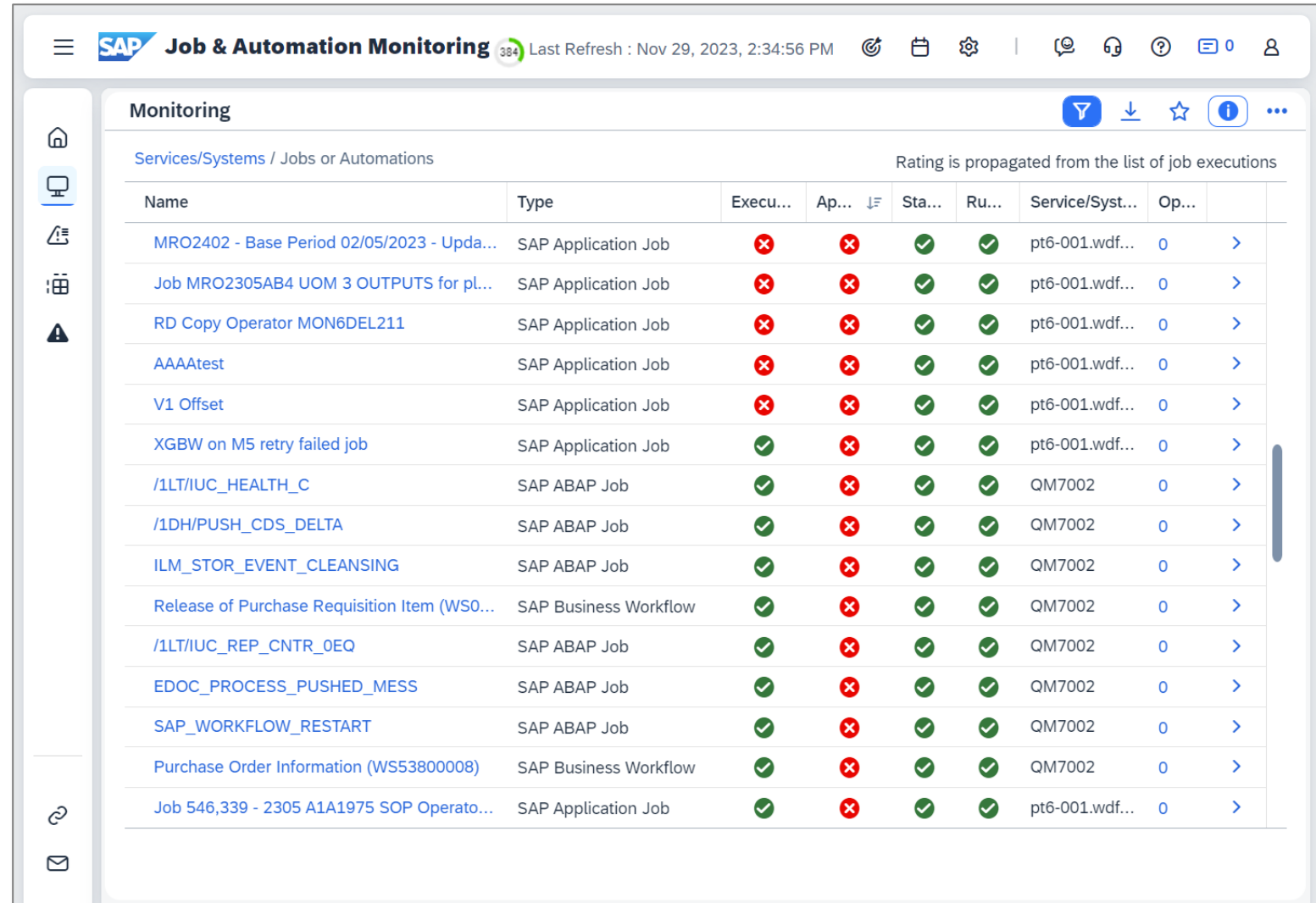
The screenshot shows the 'Monitoring' section of the SAP Job & Automation Monitoring interface. It displays a table with the following data:

Name	Type	Executi...	Applicatio...	Start D...	Run Ti...	Service/System	Ope...
SAP_CDS_VIEW_CHECK_COMPATIBLE	SAP ABAP Job	✖	◇	✓	✓	QM7002	0
SAP_SDM_EXECUTOR_ONLINE_MIGR	SAP ABAP Job	✓	✖	✓	✓	QM7002	0
SAP_WORKFLOW_RESTART	SAP ABAP Job	✓	✖	✓	✓	QM7002	0
SAP_DHBAS_RETENTION_JOB	SAP ABAP Job	✓	⚠	✓	✓	QM7002	0
SAP_WORKFLOW_SWRUNCNT	SAP ABAP Job	✓	⚠	✓	✓	QM7002	0
SAP_WORKFLOW_SYSTEM	SAP ABAP Job	✓	✓	✓	✓	QM7002	0
SAP_EHENV_CDEF_CALC_NP	SAP ABAP Job	✓	✓	✓	✓	QM7002	0
SAP_EHENV_ADEF_CALC_PERIODIC	SAP ABAP Job	✓	✓	✓	✓	QM7002	0

# Using Job & Automation Monitoring in SAP Cloud ALM (3/9)

## Get status of jobs for services in scope

- **Monitoring** provides information on the job and automation situation for the services in scope
- Job executions are grouped and every job is rated based on its latest execution regarding
  - Execution Status
  - Application Status
  - Start Delay
  - Run Time
- The list of jobs is sorted by default on Execution Status
- For every job
  - it is indicated, if there is an open alert
  - You can drill down into the related executions



The screenshot displays the SAP Job & Automation Monitoring interface. The top navigation bar includes the SAP logo, the title 'Job & Automation Monitoring', and a 'Last Refresh' timestamp of 'Nov 29, 2023, 2:34:56 PM'. The main content area is titled 'Monitoring' and shows a table of job executions. The table has columns for Name, Type, Execution Status (Execu...), Application Status (Ap...), Start Delay (Sta...), Run Time (Ru...), Service/System (Service/Syst...), and Operations (Op...). The table lists various jobs, including 'MRO2402 - Base Period 02/05/2023 - Upda...', 'Job MRO2305AB4 UOM 3 OUTPUTS for pl...', 'RD Copy Operator MON6DEL211', 'AAAAtest', 'V1 Offset', 'XGBW on M5 retry failed job', '/1LT/IUC\_HEALTH\_C', '/1DH/PUSH\_CDS\_DELTA', 'ILM\_STOR\_EVENT\_CLEANSING', 'Release of Purchase Requisition Item (WSO...', '/1LT/IUC\_REP\_CNTR\_OEQ', 'EDOC\_PROCESS\_PUSHED\_MESS', 'SAP\_WORKFLOW\_RESTART', 'Purchase Order Information (WS53800008)', and 'Job 546,339 - 2305 A1A1975 SOP Operato...'. The Execution Status column uses green checkmarks for successful jobs and red X marks for failed jobs. The Application Status column uses green checkmarks for successful applications and red X marks for failed applications. The Start Delay and Run Time columns show values like '0' and '0' respectively. The Service/System column shows values like 'pt6-001.wdf...' and 'QM7002'. The Operations column shows values like '0'. A sidebar on the left contains navigation icons for home, monitoring, alerts, and user profile.

Name	Type	Execu...	Ap...	Sta...	Ru...	Service/Syst...	Op...
MRO2402 - Base Period 02/05/2023 - Upda...	SAP Application Job	✗	✗	✓	✓	pt6-001.wdf...	0
Job MRO2305AB4 UOM 3 OUTPUTS for pl...	SAP Application Job	✗	✗	✓	✓	pt6-001.wdf...	0
RD Copy Operator MON6DEL211	SAP Application Job	✗	✗	✓	✓	pt6-001.wdf...	0
AAAAtest	SAP Application Job	✗	✗	✓	✓	pt6-001.wdf...	0
V1 Offset	SAP Application Job	✗	✗	✓	✓	pt6-001.wdf...	0
XGBW on M5 retry failed job	SAP Application Job	✓	✗	✓	✓	pt6-001.wdf...	0
/1LT/IUC_HEALTH_C	SAP ABAP Job	✓	✗	✓	✓	QM7002	0
/1DH/PUSH_CDS_DELTA	SAP ABAP Job	✓	✗	✓	✓	QM7002	0
ILM_STOR_EVENT_CLEANSING	SAP ABAP Job	✓	✗	✓	✓	QM7002	0
Release of Purchase Requisition Item (WSO...	SAP Business Workflow	✓	✗	✓	✓	QM7002	0
/1LT/IUC_REP_CNTR_OEQ	SAP ABAP Job	✓	✗	✓	✓	QM7002	0
EDOC_PROCESS_PUSHED_MESS	SAP ABAP Job	✓	✗	✓	✓	QM7002	0
SAP_WORKFLOW_RESTART	SAP ABAP Job	✓	✗	✓	✓	QM7002	0
Purchase Order Information (WS53800008)	SAP Business Workflow	✓	✗	✓	✓	QM7002	0
Job 546,339 - 2305 A1A1975 SOP Operato...	SAP Application Job	✓	✗	✓	✓	pt6-001.wdf...	0

# Using Job & Automation Monitoring in SAP Cloud ALM (4/9)

## Understand former executions of failing jobs

- From an individual job you can drill down into the list of executions
- From an individual execution you can forward-navigate into the managed service

Name	Type	Execu...	Ap...	Sta...	Ru...	Service/Syst...	Op...
/1LT/IUC_REP_CNTR_9CV	SAP ABAP Job	✗	✗	✓	✓	QM7002	1
/1DH/PUSH_CDS_DELTA	SAP ABAP Job	✓	✗	✓	✓	QM7002	0
/1LT/IUC_REP_CNTR_OEQ	SAP ABAP Job	✓	✗	✓	✓	QM7002	0
SAP_WORKFLOW_RESTART	SAP ABAP Job	✓	✗	✓	✓	QM7002	0
Release of Purchase Requisition Item (WSO...	SAP Business Workflow	✓	✗	✓	✓	QM7002	0
Business Workflow	SAP Business Workflow	✓	✗	✓	✓	QM7002	0
Business Workflow	SAP Business Workflow	✓	✗	✓	✓	QM7002	0

Planned Start Time	Start Time	End Time
Nov 29, 2023, 2:19:48 ...	Nov 29, 2023, 2:19:48 ...	Nov 29, 2023, 2:19:...
Nov 29, 2023, 2:09:47 ...	Nov 29, 2023, 2:09:47 ...	Nov 29, 2023, 2:09:...
Nov 29, 2023, 1:59:53 ...	Nov 29, 2023, 1:59:53 ...	Nov 29, 2023, 1:59:...
Nov 29, 2023, 1:49:47 ...	Nov 29, 2023, 1:49:47 ...	Nov 29, 2023, 1:49:...
Nov 29, 2023, 1:36:47 ...	Nov 29, 2023, 1:36:47 ...	Nov 29, 2023, 1:36:...
Nov 29, 2023, 1:28:44 ...	Nov 29, 2023, 1:28:44 ...	Nov 29, 2023, 1:28:...
Nov 29, 2023, 1:18:13 ...	Nov 29, 2023, 1:18:13 ...	Nov 29, 2023, 1:18:...
Nov 29, 2023, 1:08:00 ...	Nov 29, 2023, 1:08:00 ...	Nov 29, 2023, 1:08:...

Details on execution of: /1LT/IUC\_REP\_CNTR\_9CV

Run Data	Recurrence	Metric
Name	Value	
Name	/1LT/IUC_REP_CNTR_9CV	
Run ID	14194	
Planned Start Time	Nov 29, 2023, 2:19:48	

JobName	Job Created By	Status	Start date	Start Time	Duration(sec.)	Delay (sec.)	Client	Reason
/1LT/IUC_REP_CNTR_9CV	DDIC	Canceled	29.11.2023	14:19:48	1	0	002	
*Summary					1	0		

Navigation via direct link to managed service/system.



# Using Job & Automation Monitoring in SAP Cloud ALM (5/9)

## Understand exception details for ABAP jobs (from Job Log and Application Log)

- From an individual job you can drill down into the list of exceptions

SAP Job & Automation Monitoring - Monitoring

Time Frame: 11/27/23, 2:45 PM - 11/29/23, 2:45 PM | Services/Systems: QM7002

Services/Systems / Jobs or Automations / Executions of /1LT/IUC\_REP\_CNTR\_9CV

	Planned Start Time	Start Time	End Time	Execu...	Applica...	Start Delay	Run Time	
ⓘ	Nov 29, 2023, 2:39:51 ...	Nov 29, 2023, 2:39:51 ...	Nov 29, 2023, 2:39:...	⊗ Ca...	⊗ Err...	✓ 00:0...	✓ 00:0...	>
ⓘ	Nov 29, 2023, 2:29:51 ...	Nov 29, 2023, 2:29:51 ...	Nov 29, 2023, 2:29:...	⊗ Ca...	⊗ Err...	✓ 00:0...	✓ 00:0...	>
ⓘ	Nov 29, 2023, 2:19:48 ...	Nov 29, 2023, 2:19:48 ...	Nov 29, 2023, 2:1...	⊗ Ca...	⊗ Err...	✓ 00:0...	✓ 00:0...	>
ⓘ	Nov 29, 2023, 2:09:47 ...	Nov 29, 2023, 2:09:47 ...	Nov 29, 2023, 2:0...	⊗ Ca...	⊗ Err...	✓ 00:0...	✓ 00:0...	>

SAP Job & Automation Monitoring - Monitoring

Time Frame: 11/27/23, 2:45 PM - 11/29/23, 2:45 PM | Services/Systems: QM7002

Services/Systems / Jobs or Automations / Executions of /1LT/IUC\_REP\_CNTR\_9CV

	Planned Start Time	Start Time	End Time	Execu...	Applica...	Start Delay	Run Time	
ⓘ	Nov 29, 2023, 2:39:51 ...	Nov 29, 2023, 2:39:51 ...	Nov 29, 2023, 2:39:...	⊗ Ca...	⊗ Err...	✓ 00:0...	✓ 00:0...	>
ⓘ	Nov 29, 2023, 2:29:51 ...	Nov 29, 2023, 2:29:51 ...	Nov 29, 2023, 2:29:...	⊗ Ca...	⊗ Err...	✓ 00:0...	✓ 00:0...	>
ⓘ	Nov 29, 2023, 2:19:48 ...	Nov 29, 2023, 2:19:48 ...	Nov 29, 2023, 2:19:...	⊗ Ca...	⊗ Err...	✓ 00:0...	✓ 00:0...	>
ⓘ	Nov 29, 2023, 2:09:47 ...	Nov 29, 2023, 2:09:47 ...	Nov 29, 2023, 2:09:...	⊗ Ca...	⊗ Err...	✓ 00:0...	✓ 00:0...	>

SAP Job & Automation Monitoring - Exceptions

Time Frame: 11/27/23, 2:45 PM - 11/29/23, 2:45 PM | Services: QM7002

Exception Overview / QM7002 (ABAP Aborted Job)

All (0) Errors (0) Warnings (0) Resolved (0)

Exceptions (1 / 0)

Status	Timestamp	Message	User	Job Name	
⊗	Nov 29, 2023, 2:39:51 PM	Internal session terminated with a runtime error RAISE_EX...	DDIC	/1LT/IUC_REP_...	>

SAP Job & Automation Monitoring - Exceptions

Time Frame: 11/27/23, 2:45 PM - 11/29/23, 2:45 PM | Services: QM7002

Exception Overview / QM7002 (ABAP Application Log)

All (0) Errors (0) Warnings (0) Resolved (0)

Exceptions (1 / 0)

Status	Timestamp	Message	User	Program	External ...	
⊗	Nov 29, 2023, 2:39:51 PM	Error while determining RFC destination for mass transfer...	DDIC	IUUC_R...	Replicati...	>

# Using Job & Automation Monitoring in SAP Cloud ALM (6/9)

## Get alerted on failing job executions

- Alerting is offered for all metrics:
  - Execution Status
  - Application Status
  - Start Delay
  - Run Time
- In **Monitoring** view
  - you can see, if there are open alerts for services or jobs
  - you can drill down to the alert into the **Alerting** view
- From the alert you can forward navigate into the managed service like from the monitoring application

The screenshot displays the SAP Job & Automation Monitoring interface. The top section shows a table of job executions for Services/Systems: QM7002. The table has columns for Name, Type, Execution Status, Application Status, Start Delay, Run Time, Service/System, and Operation. An orange arrow points to the 'Run Time' column for the job 'ODQ\_DAEMON\_CLIENT\_002', which has a value of 2. Below the table, the 'Alerting' view is shown, displaying an alert for 'Runtime 9 or 10 min for job ODQ\_DAEMON\_CLIENT\_002 alert and notif'. The alert details section shows a table of job executions for 'ODQ\_DAEMON\_CLIENT\_002' with columns for Run ID, Start Time, Execution Status, Application Status, Start Delay, and Run Time. An orange arrow points to the 'Run ID' column for the job '1425392P', which has a status of 'Finished'. A callout box at the bottom right of the alerting view states: 'Navigation via direct link to managed service/system.'

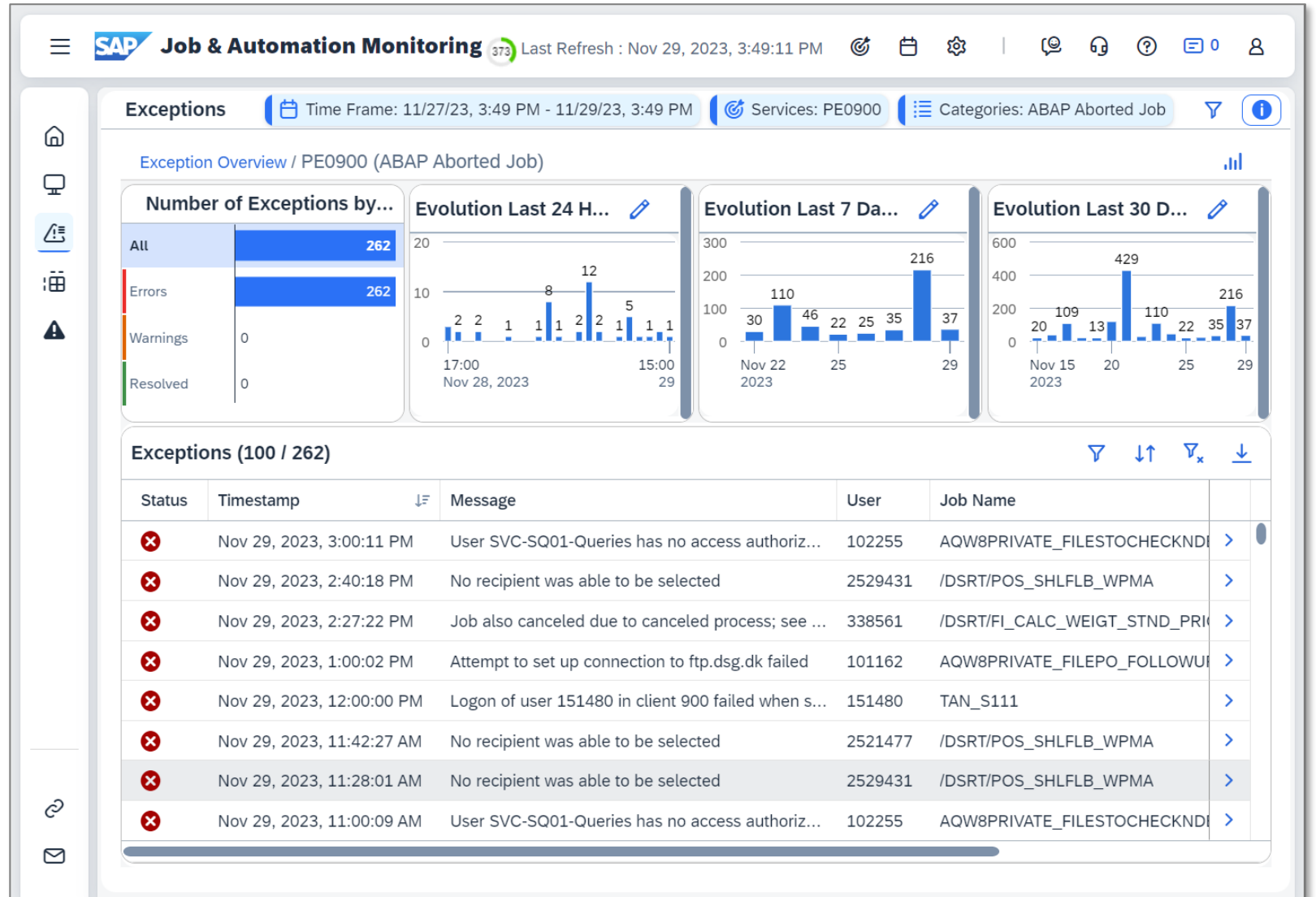
Name	Type	Execu...	Ap...	Sta...	Ru...	Service/Syst...	Op...
/1LT/IUC_REP_CNTR_9CV	SAP ABAP Job	✗	✗	✓	✓	QM7002	1
ODQ_DAEMON_CLIENT_002	SAP ABAP Job	✓	✗	✓	2	QM7002	2
/1DH/CDC_HEALTH_CHECK	SAP ABAP Job	✓	✗	✓	0	QM7002	0
/1LT/IUC_REP_CNTR_0C8	SAP ABAP Job	✓	✗	✓	0	QM7002	0

Run ID	Start Time	Execution Status	Application Status	Start Delay	Run Time
1425392P	Nov 29, 2023, 2:...	✓ Finished	✗ Error	00:00:00	00:14:51

# Using Job & Automation Monitoring in SAP Cloud ALM (7/9)

## Analyze Exceptions

- Analytical information is offered regarding:
  - Number of exceptions
  - Exceptions of type Error
  - Exceptions of type Warning



# Using Job & Automation Monitoring in SAP Cloud ALM (8/9)

## Analyze Runtime and Failures

- Analytical information is offered regarding:
  - Number of executions
  - Red Execution status
  - Red Application Status
  - Run Time
- In the table view you can find out which job or automation had
  - Most executions
  - Most failures
  - Highest overall run time
  - Highest average run time
  - Bad Runtime/Failure Rate trend
- In the table view you can filter for specific jobs and services

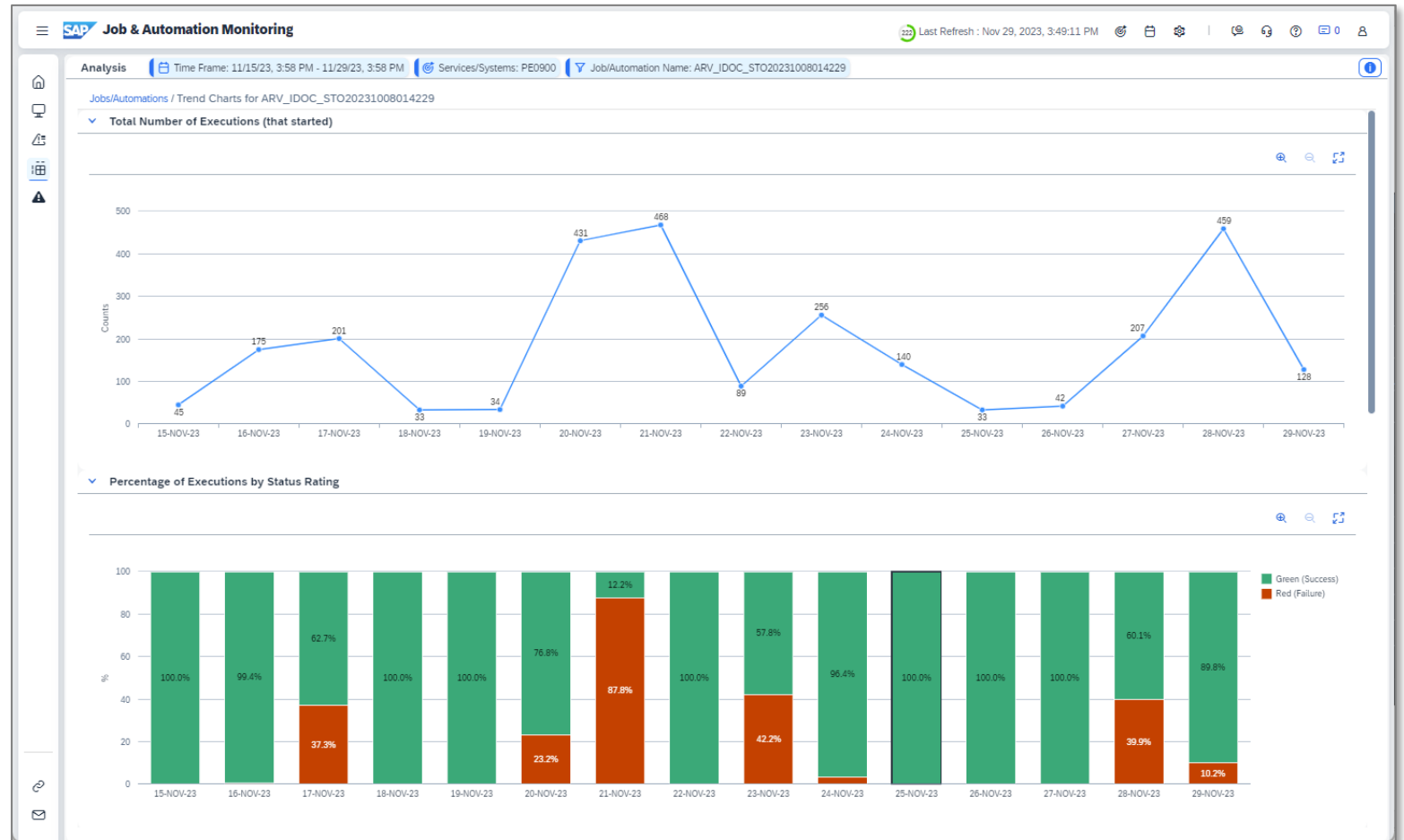
The screenshot displays the SAP Job & Automation Monitoring interface. The main table lists various jobs and automations with their respective metrics. A callout box highlights the 'Trend' column for 'Average' run time, indicating an increasing trend for several jobs.

Name	Servic...	Type	Total ...	Red Execution Status			Red Application Status			Run Time		
				Count	Rate	Trend	Count	Rate	Trend	Total	Average	Tr...
SHARED_ARTICLES_UPD	PE0900	SAP A...	3	0	0 %	—	0	0 %	—	202 min	4029 ...	↗
PE0_PM_GLO_PROMO_SITE_GROUP_U...	PE0900	SAP A...	14	0	0 %	—	0	0 %	—	37 min	158 sec	↗
/DSRT/FR_MASS_MAINTENANCE	PE0900	SAP A...	6	0	0 %	—	0	0 %	—	52 min	513 sec	↗
PE0_900_CLEARING_COUPA_F13	PE0900	SAP A...	11	0	0 %	—	0	0 %	—	46 min	249 sec	↗
PE0_UNIK_INVOIC_ATTACH	PE0900	SAP A...	28	0	0 %	—	0	0 %	—	281 min	602 sec	↗
ARV_SD_VBAK_DEL20231012112415	PE0900	SAP A...	7	0	0 %	—	0	0 %	—	202 min	1730 ...	↗
PE0_FMM9_BIL_STR_AUTOGR_EXT_PO...	PE0900	SAP A...	205	0	0 %	—	0	0 %	—	205 min	60 sec	↗
PE0_FPM2_DS01_VB_DIST_27	PE0900	SAP A...	4	0	0 %	—	0	0 %	—	4 min	37 sec	—
ZRFFOEDI1	PE0900	SAP A...	4	0	0 %	—	0	0 %	—	22 sec	—	—
PE0_FMM9_FOT_STR_AUTOGR_EXT_P...	PE0900	SAP A...	205	0	0 %	—	0	0 %	—	64 sec	—	—
PE0_FMM3_DK_CREATE_COLL_PO_9102	PE0900	SAP A...	14	0	0 %	—	0	0 %	—	sec	—	—
F150-20220630-ZPL1 -3	PE0900	SAP A...	42	0	0 %	—	0	0 %	—	sec	—	—
UPDATE_COPY_PROMOTION0100653678	PE0900	SAP A...	2	0	0 %	—	0	0 %	—	4 sec	—	—
ANNDT_UPD_0100660300	PE0900	SAP A...	21	0	0 %	—	0	0 %	—	27 min	75 sec	—
ANNDT_UPD_0100651551	PE0900	SAP A...	4	0	0 %	—	0	0 %	—	3 min	37 sec	—
UPDATE_COPY_PROMOTION0100653672	PE0900	SAP A...	3	0	0 %	—	0	0 %	—	1 min	13 sec	—
PRIVATE_FILE_PID_FOLLOW_UP_0845	PE0900	SAP A...	14	0	0 %	—	0	0 %	—	14 min	60 sec	—
ARV_FI_DOCUMNT_DEL20221216120826	PE0900	SAP A...	847	3	0 %	—	0	0 %	—	13,26...	940 sec	—
/DSRT/MM_SHARED_ART_UPDATE	PE0900	SAP A...	290	0	0 %	—	0	0 %	—	8,410...	1740 ...	—
FI-GLSU-BOT_AP_001	PE0900	SAP A...	657	0	0 %	—	0	0 %	—	64 min	6 sec	—

# Using Job & Automation Monitoring in SAP Cloud ALM (9/9)

## Analyze Runtime and Failure Trends

- After identifying jobs or automations which have high runtimes or failure rates or deteriorations in a given time frame you can drill down into trend reporting and see the trend on:
  - Total Number of Executions
  - Executions by Executions Status Rating
  - Total Number of Executions with Red Executions Status
  - Total Run Time of Executions
  - Average Run Time of Executions



# **Job & Automation Monitoring in SAP Cloud ALM:** **Some Example Use cases**

# Navigate seamlessly from MS Teams to failed execution in Managed System

Job produced warning in Job Log and Errors in Application Log, which would have been undetected.

The screenshot displays the SAP Job & Automation Monitoring interface. On the left, an alert titled "Critical Execution Status for job detected" is shown with a yellow status. The alert details include the job name "SM:CALC\_APPLICATION\_INDEX" and type "SAP ABAP Job". An orange arrow points from this alert to the "Job Overview" window in the center. The "Job Overview" window shows the job name "SM:CALC\_APPLICATION\_INDEX" and a "Summary" section. An orange arrow points from the "Summary" section to the "Job Log Entries" window on the right. The "Job Log Entries" window displays a table of log entries for the job "SM:CALC\_APPLICATION\_INDEX / 09430401". A red box highlights a specific entry: "Indexing of SAPUI5 repository SM\_SISE\_OVP\_EWA rejected because of duplicate id". An orange arrow points from this entry to the "Application Log" window at the bottom right, which shows the corresponding error messages in the application log.

**Job Overview**

Menu [Back] [Exit] [Cancel] [System] [Refresh] [Release] [Stop active job] [Delete job from database] [Spool] [Job log] [Application servers]

JobName: SM:CALC\_APPLICATION\_INDEX

\*Summary

**Job Log Entries for SM:CALC\_APPLICATION\_INDEX / 09430401**

Job log overview for job: SM:CALC\_APPLICATION\_INDEX / 09430401

Date	Time	Message text	Message class	Message no.	Message type
01.03.2024	09:43:18	SAPUI5 repository SM_CM_SYSREC was re-indexed in	00	001	I
01.03.2024	09:43:18	SAPUI5 repository SM_DVMBWUNUSED was re-indexed in	00	001	I
01.03.2024	09:43:18	SAPUI5 repository SM_DVM_AGING was re-indexed in	00	001	I
01.03.2024	09:43:18	SAPUI5 repository SM_DVM_BWADMIN was re-indexed in	00	001	I
01.03.2024	09:43:18	SAPUI5 repository SM_DVM_REORG was re-indexed in	00	001	I
01.03.2024	09:43:18	SAPUI5 repository SM_DVM_UNUSED was re-indexed in	00	001	I
01.03.2024	09:43:18	SAPUI5 repository SM_QGM_QM_APV was re-indexed in	00	001	I
01.03.2024	09:43:18	SAPUI5 repository SM_SAAM_UX_MON was re-indexed in	00	001	I
01.03.2024	09:43:18	SAPUI5 repository SM_SISE_FAV_TRN was re-indexed in	00	001	I
01.03.2024	09:43:18	SAPUI5 repository SM_SISE_OVP_ADM was re-indexed in	00	001	I
01.03.2024	09:43:18	SAPUI5 repository E2EWA_OVW was re-indexed in	00	001	I
01.03.2024	09:43:18	SAPUI5 repository EPMRA_POAPV was re-indexed in	00	001	I
01.03.2024	09:43:18	SAPUI5 repository EPMRA_SHOP was re-indexed in	00	001	I
01.03.2024	09:43:18	SAPUI5 repository EPM_DEMO_CHIPS was re-indexed in	00	001	I
01.03.2024	09:43:18	SAPUI5 repository ESD_TQMWP was re-indexed in	00	001	I
01.03.2024	09:43:18	SAPUI5 repository ICMONAPP was re-indexed in	00	001	I
01.03.2024	09:43:18	SAPUI5 repository ILMRWC was re-indexed in	00	001	I
01.03.2024	09:43:18	SAPUI5 repository ISLANDTEST was re-indexed in	00	001	I
01.03.2024	09:43:18	SAPUI5 repository ISXCHARTUI5 was re-indexed in	00	001	I
01.03.2024	09:43:18	SAPUI5 repository ITCALENDAR was re-indexed in	00	001	I
01.03.2024	09:43:18	Indexing of SAPUI5 repository SM_SISE_OVP_EWA rejected because of duplicate id	00	001	I
01.03.2024	09:43:18	There are errors in the application log	00	001	I
01.03.2024	09:43:18	Properties file i18n/i18n_de.properties of application METRICMONCOMP contains no content	00	001	I
01.03.2024	09:43:18	Properties file i18n/i18n_en.properties of application METRICMONCOMP contains no content	00	001	I
01.03.2024	09:43:18	Duplicate Id: Id sm.sise.ewareader already contained in SAPUI5 Repository SM_SR_EWA_CHK	00	001	I
01.03.2024	09:43:18	Descriptor of app SM_SISE_OVP_EWA not replicated into LRRep, duplicate Id detected	00	001	I
01.03.2024	09:43:18	Properties file i18n/i18n_he.properties of application WFDGANTT_UI5 contains no content	00	001	I
01.03.2024	09:43:18	Object not adequately specified	00	001	I
01.03.2024	09:43:18	There are warnings in the application log	00	001	I
01.03.2024	09:43:18	Component 'webContent' in repository 'AR_SRVC_NEWS' does not have a manifest.json file	00	001	I
01.03.2024	09:43:18	Component 'sap.solman.metricmon' in repository 'METRICMON' does not have a manifest.json file	00	001	I
01.03.2024	09:43:18	Component 'nw.epm.hana.pa1' in repository 'NW_EPM_HANA_PAL' does not have a manifest.json file	00	001	I
01.03.2024	09:43:18	Component 'sap.chat' in repository 'AOC' does not have a manifest.json file	00	001	I
01.03.2024	09:43:18	Component 'ABR_METRIC_CATALOG' in repository 'ABR_METRIC_CAT' does not have a manifest.json file	00	001	I
01.03.2024	09:43:18	Component 'nw.epm.refapps.ext.po.apv' in repository 'EPMRA_POAPV' does not have a manifest.json file	00	001	I
01.03.2024	09:43:18	Component 'nw.epm.refapps.ext.shop' in repository 'EPMRA_SHOP' does not have a manifest.json file	00	001	I
01.03.2024	09:43:18	manifest.json at path 'component/processviz' should have 'sap.app/embeddedBy' set to '' instead of ''	00	001	I
01.03.2024	09:43:18	There are information messages in the application log	00	001	I

**Alert Details**

Alert Name and Message: Critical Execution Status for job detected

Latest Execution Status is Red

Managed Components: P34100

Object Details: NAME = SAP\_IWFDN\_SUP\_UTIL\_CLN | TYPE = SAP ABAP Job

**Alert Details**

Alert Name and Message: Critical Execution Status for job detected

Latest Execution Status is Yellow

Managed Components: P00001

Object Details: NAME = SM:CALC\_APPLICATION\_INDEX | TYPE = SAP ABAP Job

**ALERT DETAILS**

Job / Automation Executions of SM:CALC\_APPLICATION\_INDEX

Run ID	Start Time	Execution Status
09430401	Mar 1, 2024, 9:43:05 AM	Finished

# Detect jobs that start to block work processes

If total job runtime is longer than time window selected, issues due to unwanted parallel processing might occur.

SAP Job & Automation Monitoring

Last refresh : Feb 29, 2024, 6:26:58 PM

Analysis

Time Frame: 2/27/24, 6:25 PM - 2/28/24, 6:25 PM Systems: FQ4ADM

Jobs and Automations (130/387)

1440 minutes time window

Total runtime longer than time window.

Job Name	System	Context	Job or Automation Type	Total Executions	Red Execution Status		Run Time	
					Count	Failure Rate	Total	Average
CF_FRUN_MANDT200_001	FQ4ADM	200	SAP ABAP Job	140	0	0	1504 min	645 sec
CF_IQR	FQ4ADM	200	SAP ABAP Job	560	0	0	1478 min	158 sec
SAP_LMDB_NOTIFY_DISPATCHER	FQ4ADM	200	SAP ABAP Job	147	1	1 %	1475 min	602 sec
SRSM_AGENT_CONFIG_SEND_JOB	FQ4ADM	200	SAP ABAP Job	9035	0	0	1307 min	9 sec
SAP_FRN_OCM_EVENT_CALC	FQ4ADM	200	SAP ABAP Job	1613	0	0	367 min	14 sec
SAP_FRN_JAM_ALERT_CALC	FQ4ADM	200	SAP ABAP Job	1614	0	0	229 min	9 sec
SAP_FRN_AIM_ALERTING	FQ4ADM	200	SAP ABAP Job	1621	0	0	131 min	5 sec
SUT_AUNIT_RUNNER/LMDB_UNIT_TEST	FQ4ADM	200	SAP ABAP Job	1	0	0	117 min	7030 sec
/RUM/ALERT_CALCULATION	FQ4ADM	200	SAP ABAP Job	1601	0	0	112 min	4 sec

JobName	Job CreatedB	Status	Start date	Start Time	Duration(sec.)	Delay	Cli
CF_FRUN_MANDT200_001	FRN_BTC_CSA	Finished	27.02.2024	18:25:40	2	0	200
CF_FRUN_MANDT200_001	FRN_BTC_CSA	Finished	27.02.2024	18:25:42	4.509	0	200
CF_FRUN_MANDT200_001	FRN_BTC_CSA	Finished	27.02.2024	18:25:44	2	0	200
CF_FRUN_MANDT200_001	FRN_BTC_CSA	Finished	27.02.2024	18:40:40	2	0	200
CF_FRUN_MANDT200_001	FRN_BTC_CSA	Finished	27.02.2024	18:55:40	2	0	200
CF_FRUN_MANDT200_001	FRN_BTC_CSA	Finished	27.02.2024	19:10:40	2	0	200
CF_FRUN_MANDT200_001	FRN_BTC_CSA	Finished	27.02.2024	19:25:40	2	0	200
CF_FRUN_MANDT200_001	FRN_BTC_CSA	Finished	27.02.2024	19:40:48	2	0	200
CF_FRUN_MANDT200_001	FRN_BTC_CSA	Finished	27.02.2024	19:40:50	4.493	0	200
CF_FRUN_MANDT200_001	FRN_BTC_CSA	Finished	27.02.2024	19:40:51	2	0	200
CF_FRUN_MANDT200_001	FRN_BTC_CSA	Finished	27.02.2024	19:55:41	2	1	200
CF_FRUN_MANDT200_001	FRN_BTC_CSA	Finished	27.02.2024	20:10:40	2	0	200

Layout was applied

SAP

FQ4 (2) 200

Not critical.



# Detect jobs that start to block work processes

If total job runtime is longer than time window selected, issues due to unwanted parallel processing might occur.

Critical!

Job overview from: 01.05.2023 at: : :  
 to: 11.05.2023 at: : :  
 Selected job names: 0213\_SDA\_ON\_PREM\_ZVAL  
 Selected user names: \*

Scheduled  
  Released  
  Ready  
  Active  
  Finished  
  Canceled  
 Event-Driven    Event ID:  
 ABAP program    Program name :

JobName	Spool	Job doc	Job CreatedB	Status	Start date	Start Time	Duration(sec.)	Delay	Cl
<input type="checkbox"/> 0213_SDA_ON_PREM_ZVAL			SM_INS_TMW	Active	10.05.2023	08:00:16	117.798	16	001
<input type="checkbox"/> 0213_SDA_ON_PREM_ZVAL			SM_INS_TMW	Active	11.05.2023	08:00:05	31.409	5	001
<input type="checkbox"/> 0213_SDA_ON_PREM_ZVAL			SM_INS_TMW	Canceled	04.05.2023	08:00:08	153.523	8	001
<input type="checkbox"/> 0213_SDA_ON_PREM_ZVAL			SM_INS_TMW	Canceled	05.05.2023	08:00:04	67.131	4	001
<input type="checkbox"/> 0213_SDA_ON_PREM_ZVAL			SM_INS_TMW	Canceled	06.05.2023	08:00:06	73.388	6	001
<input type="checkbox"/> 0213_SDA_ON_PREM_ZVAL			SM_INS_TMW	Finished	02.05.2023	08:00:03	211.239	3	001
<input type="checkbox"/> 0213_SDA_ON_PREM_ZVAL			SM_INS_TMW	Finished	03.05.2023	08:00:01	218.533	1	001
<input type="checkbox"/> 0213_SDA_ON_PREM_ZVAL			SM_INS_TMW	Finished	07.05.2023	08:00:06	177.535	6	001
<input type="checkbox"/> 0213_SDA_ON_PREM_ZVAL			SM_INS_TMW	Finished	08.05.2023	08:00:04	195.002	4	001
<input type="checkbox"/> 0213_SDA_ON_PREM_ZVAL			SM_INS_TMW	Finished	09.05.2023	08:00:08	194.726	8	001

# **Job & Automation Monitoring in SAP Cloud ALM:** **Configure Alerting**

# Configure Alerting in Job & Automation Monitoring

The screenshot displays the SAP Job & Automation Monitoring interface. The main view shows an overview of managed components, including ETX200 (SAP S/4HANA Cloud) and QM7002 (SAP S/4HANA). The QM7002 component is highlighted, and its configuration pane is expanded to show the 'Events' section. An orange arrow points from the QM7002 component in the overview to the configuration pane. A callout box explains that events can be configured per managed component by expanding the configuration pane.

**Configuration for Services/Systems**

Services/Systems

QM7002 (SAP S/4HANA)

Events

<input type="checkbox"/>	Name	Type	Active	Last Changed By	Last Changed At	
<input type="checkbox"/>	Critical Execution Status for job contains detected	Critical Execution Status	<input checked="" type="checkbox"/>	gergely.spiry@sap.com	Nov 28,2023 16:08:54	>
<input type="checkbox"/>	Critical Execution Status for job detected	Critical Execution Status	<input checked="" type="checkbox"/>	gergely.spiry@sap.com	Nov 28,2023 15:44:02	>
<input type="checkbox"/>	Critical Delay for job detected	Critical Delay	<input checked="" type="checkbox"/>	fatima.zahara.jameel@sap.c...	Nov 17,2023 12:15:12	>
<input type="checkbox"/>	Critical Execution Status for job detected	Critical Execution Status	<input checked="" type="checkbox"/>	fatima.zahara.jameel@sap.c...	Nov 17,2023 09:57:20	>

Save Cancel Close

Events can be configured per Managed Component by expanding the Configuration pane.

# Configure Alerting in Job & Automation Monitoring

The image displays two overlapping screenshots from the SAP Job & Automation Monitoring interface. The top screenshot shows the 'Alerting' section with a table of alerts. The bottom screenshot shows the 'Configuration for Services/Systems' section, specifically the 'Events' configuration for 'Red Execution Status for job detected'.

**Alerting Section:**

Alert Name and Message	Managed Components	Object Details	Worst Rating	Last Updated	Status	Managed Component Status	Processor
<input type="checkbox"/> Red Execution Status for job detected Latest Execution Status is Red	QM7002	NAME = CONSENT MANAGEMENT   TYPE = SAP ABAP Job	✖	Nov 30, 2023, 11:07:20 AM	Open		
<input type="checkbox"/> Red Execution Status for job detected Latest Execution Status is Red	QM7002	NAME = POST_STATUS_UPDATE   TYPE = SAP ABAP Job	✖	Nov 30, 2023, 11:07:19 AM			
<input type="checkbox"/> Red Execution Status for job detected Latest Execution Status is Red	QM7002	NAME = SENTIMENT ASSIGNMENT   TYPE = SAP ABAP Job	✖	Nov 30, 2023, 11:07:18 AM			

**Configuration for Services/Systems - Events Section:**

Events / Red Execution Status for job detected

**Event Settings**

- Event Type: Critical Execution Status
- Execution Status Rating: Red
- Event Name: Red Execution Status for job detected
- Raise Event Action: At New Occurrence

**Event Filters**

Parameter	Operator	Value
Job / Automation Name	Is	CONSENT MANAGEMENT × 2 more
Job / Automation Type	Is	SAP ABAP Job ×

**Annotations:**

- Alerts are raised per Job Name, which is contained in the *Object Details* and can be filtered on.** (Points to the Object Details column in the alerts table)
- If you want to restrict alerting to specific jobs, make use of the filter options in Event Configuration.** (Points to the Event Filters section)
- Adjust the event name to understand the filtering and configuration done, but as the job name will be appended to the email subject automatically, there is no need to add the job name.** (Points to the Event Name field)

# Configure Alerting in Job & Automation Monitoring

**Configuration for Services/Systems**

Events

Events / Red Execution Status for job detected

**Event Settings**

Event Type: Critical Execution Status  
 Event Name: Red Execution Status for job detected  
 Execution Status Rating: Red  
 Raise Event Action: At New Occurrence

**Event Filters**

Parameter: Job / Automation Name

**Event Actions**

Create Alert:

Send Email To:

Recipient	Last Modified	Validity
gergely.spiry@sap.com	gergely.spiry@sap.com Nov 29, 2023, 4:50:26 PM	May 27, 2024, 5:50:41 PM

Save Cancel Close

*Make sure to switch on "Create Alert" and to enter one or more notification recipients.*

Red Execution Status for job detected (NAME = SENTIMENT ASSIGNMENT)

SAP Cloud ALM Notifications

To: Spiry, Gergely

Service Name: QM7002

Service Type: SAP S/4HANA

Object Details: NAME = SENTIMENT ASSIGNMENT  
TYPE = SAP ABAP Job

Message: Latest Execution Status is Red

Reported at: 2023-11-30T10:07:16 UTC

Rating:

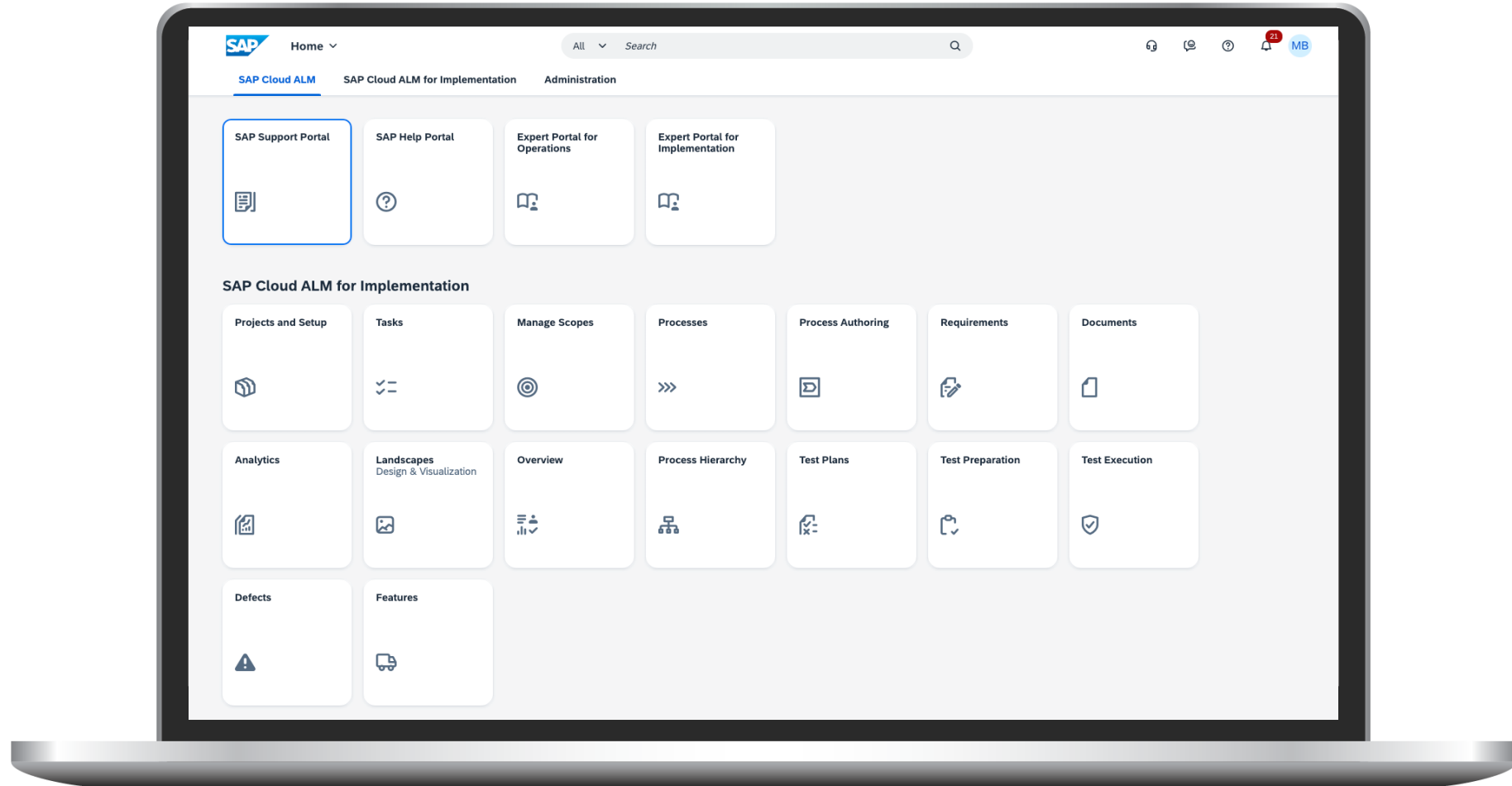
*Job name appended to the email subject automatically.*

Run Id	Start Time	Scheduled By	Execution Status	Application Status
10584600	2023-11-30 10:00:25.0 UTC	HUSTOO	Cancelled/Aborted	No messages found

**Executable Info**

Executable	Executed By	Start Time	End Time	Execution Status	Application Status
SMI_SENTIMENT_ASSIGNMENT	HUSTOO	2023-11-30 10:00:25.0 UTC	2023-11-30 10:00:25.0 UTC	Cancelled/Aborted (2 Error messages found)	No messages found (No application log (SLG1) found for job)

# Live Demo



# Job & Automation Monitoring in SAP Cloud ALM

You learned:

- That the Job & Automation Monitoring helps to monitor the performance and availability of your automation processes
- The generic concept of the Job & Automation Monitoring application
- How to use Job & Automation Monitoring application
- How to use Analysis in Job & Automation Monitoring application
- How Exception Monitoring is integrated with Job & Automation Monitoring
- How to configure alerts and notifications in Job & Automation Monitoring

We now give you an outlook on the roadmap.

# Availability & Roadmap



## Available now (March 2024)

- Content: S/4HANA Cloud application jobs, Intelligent RPA jobs, SAP ABAP jobs (On-Premise), SAP BW Process Chains, SAP Build Process Automation Jobs, Business Workflow (in S4/HANA Cloud and On-Premise)
- Alerting and Notifications
- Job Exception Details (for SAP ABAP Jobs and SAP Intelligent RPA Jobs)
- Analytics and Trend Reporting
- [SAP Cloud ALM Analytics](#) of Job Monitoring data (e.g. for Grafana Consumption)

## Continuous delivery of new content and functionality

In the course of 2024 we plan to offer\*

- Content: Jobs of BTP applications (e.g. SAP Data Privacy Integration (cloud)), SAP Build Process Automation Processes, SAP Digital Manufacturing Processes
- Improved alerting capabilities (not only fixed thresholds)
- Improved integration with Exception Management

<https://support.sap.com/en/alm/sap-cloud-alm.html>

\*This is the current state of planning and may be changed by SAP at any time.





I need more capabilities in SAP Cloud ALM. “

## SAP Continuous Influence for SAP Cloud ALM



Implementation

Available as of  
end of 2023!



Operations

# Thank you.

## Contact information:

Gergely Spiry  
Product Owner Job & Automation Monitoring  
[gergely.spiry@sap.com](mailto:gergely.spiry@sap.com)

SAP Cloud ALM Mailing list  
[cloudalm@sap.com](mailto:cloudalm@sap.com)

## Additional information:

SAP Cloud ALM for Operations Home Page:  
<https://support.sap.com/en/alm/sap-cloud-alm/operations.html>

SAP Cloud ALM for Operations Expert Portal:  
<https://support.sap.com/en/alm/sap-cloud-alm/operations/expert-portal.html>

SAP Cloud ALM Online Help:  
[https://help.sap.com/viewer/product/CloudALM/2021-04-07/en-US?task=discover\\_task](https://help.sap.com/viewer/product/CloudALM/2021-04-07/en-US?task=discover_task)

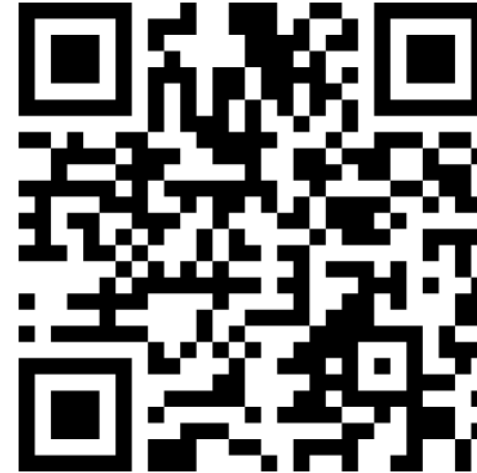
**Menti**

We ask, you answer!

Please open [www.menti.com](https://www.menti.com)

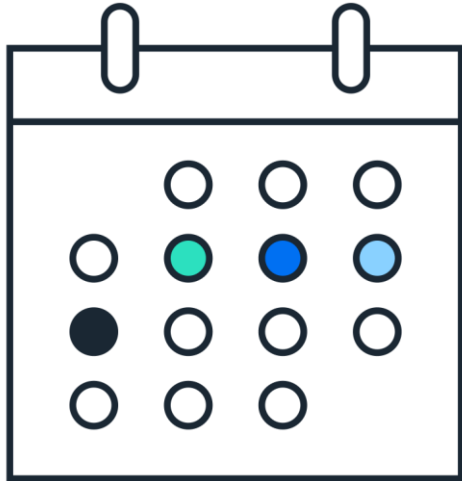
and use code **5554 4229**

<https://www.menti.com/alsbn37k31g8>



# **Additional Information**

# Upcoming ALM Events



## MARCH

- 6-7** [SAP S/4HANA Cloud & SAP Cloud ALM Partner Summit 2024](#)  
St. Leon-Rot
- 18-21** [SAPinsider Conference](#)  
Las Vegas

## APRIL

- 24** [What's New In SAP Cloud ALM for Implementation Q1/2024](#)  
Virtual
- 25** [What's New In SAP Cloud ALM for Operations Q1/2024](#)  
Virtual

## SAVE THE DATE

- July 25-27** SAP ALM Summit APJ
- Sept 24-27** SAP ALM Summit EMEA, Mannheim, Germany ([notify me](#))

## Stay Updated: ALM Newsletter

Stay updated about the latest news in  
Application Lifecycle Management!

Register now for our monthly ALM  
newsletter here:

[Register here](#)





# SAP Continuous Influence for SAP Cloud ALM



Implementation

**Available today!**



Operations



**We will be back!**

The next **SAP Community Call for SAP Cloud ALM Experts** will take place on

**April 3<sup>rd</sup>, 4pm CET | 10am EST**

The focus topic of this call will be **Implementation**

Register and / or save the date via [SAP Community](#).

**Q&A**

# Thank you.

Contact information:

ALM Customer Communications, SAP SE  
[cloudalm@sap.com](mailto:cloudalm@sap.com)

