

The data driven collaboration platform SAP EarlyWatch Alert Workspace

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Your Personalized Digital Support Experience



PUBLIC

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Agenda

- SAP EarlyWatch Alert in SAP HANA Cockpit
- Personalization in SAP EarlyWatch Alert Workspace Demo
- SAP EarlyWatch Alert Status UI in SAP Focused Run
- SAP EarlyWatch Alert for Java transmitted by Focused Run Demo
- Service Messages App Demo
- Notifications in SAP EarlyWatch Alert
- Questions & Answers





SAP EarlyWatch Alert with SAP HANA Cockpit

Dirk Müller, SAP SE CoE Technology July 2020 PUBLIC

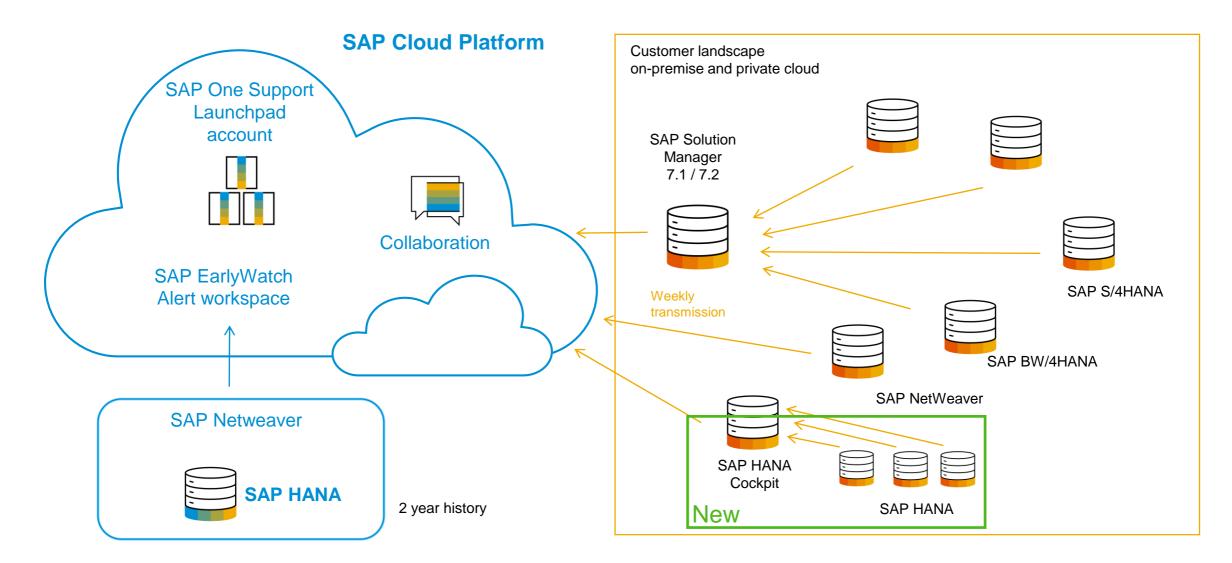


Content

- SAP EarlyWatch Alert New Option via SAP HANA Cockpit
- How does it work: Overview
- Setting up the EarlyWatch Alert in SAP Hana Cockpit
 - Demo
- Working with the SAP EarlyWatch Alert Results
 - Demo
- Further Info
 - Prerequisites
 - Links
- Questions

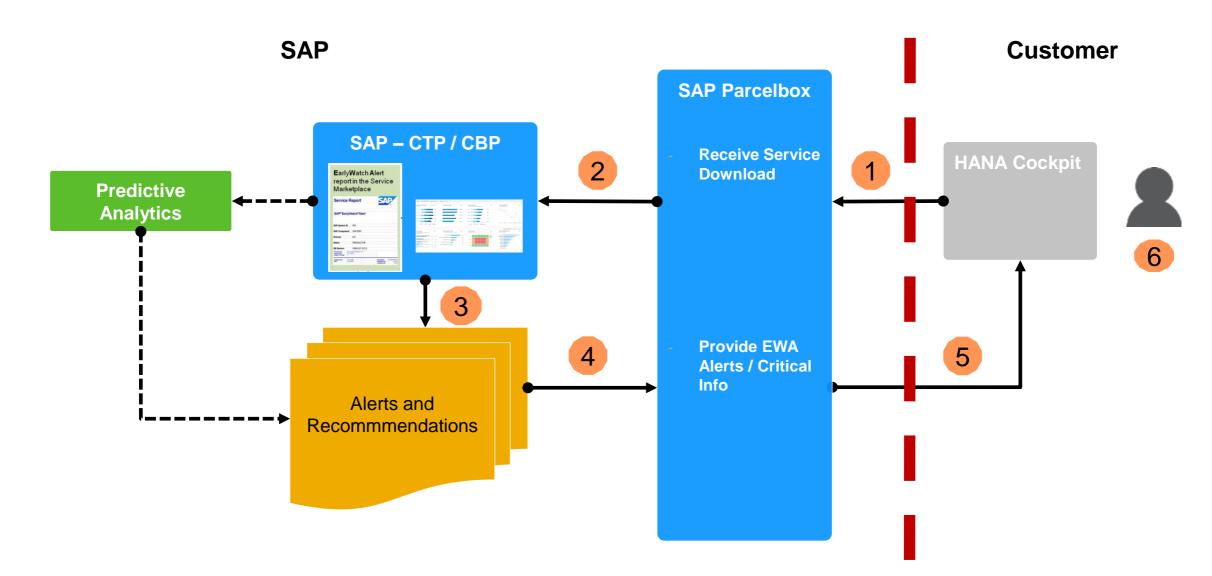
SAP EarlyWatch Alert – New Option via SAP HANA Cockpit

SAP EarlyWatch Alert – New Option via SAP HANA Cockpit

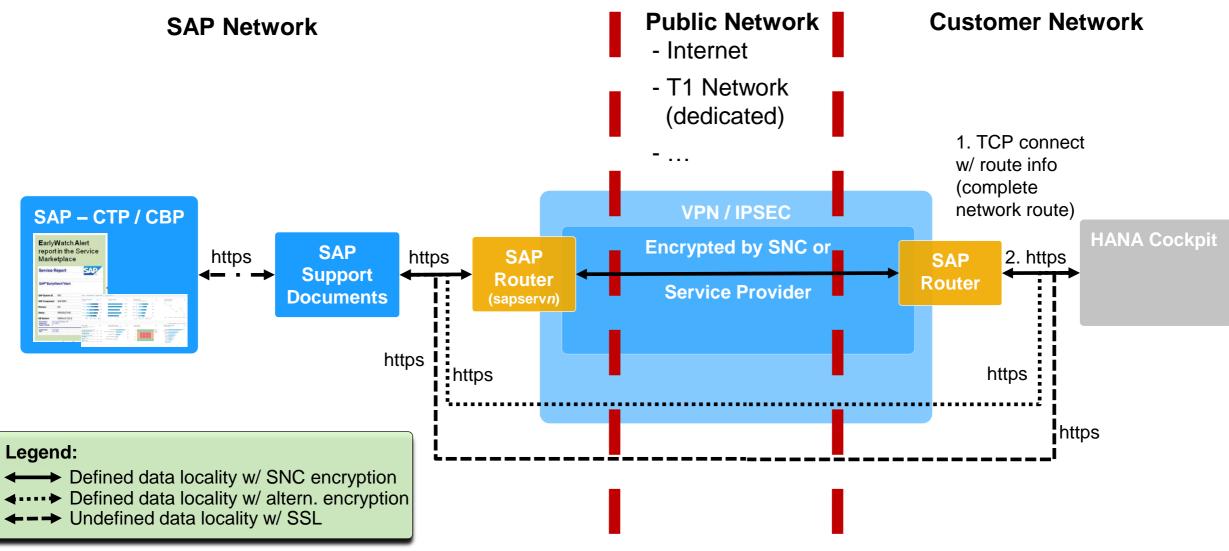


How does it work: Overview

How does it work: Overview



Network View



SAP			SAP HANA Cockpit	(?) COCKPIT_ADMIN \sim
Categories			SAP	SAP HANA Cockpit
Registered Resources	13		< Settings (4)	Setting Details
Resource Groups	2	Welcome to the Co	Data Collection	
Cockpit Users	11		Proxy	
Cockpit Settings	5	Register a Resourc	Connections	SAP EarlyWatch Alert
Active Sessions	1	Register or import res	Display	SAP EarlyWatch Alert is an automatic service that can monitor the essential administrative areas of registered HANA resources, indicated
XSA Logs		Create Resource G	SAP EarlyWatch Alerts	critical situations, and suggest solutions. The service requires an S-user account.
		Create groups of regis		
				Global S-user
		Add a Cockpit User Add users who can ac		
		Add users who can ac		A global S-user ID is required for the SAP EarlyWatch Alert service
				S-user ID: \$9990000010
				Transmission Schedule
				SAP EarlyWatch Alert Service
				Receive SAP EarlyWatch Alerts and send any gathered data to SAP EarlyWatch Alert service
				Transmit daily: 12:15 PM
				Gather data to send to SAP EarlyWatch Alert service for analysis
				Gather data weekly: Monday 12:15 AM
				Transmission Location
				SAP EarlyWatch Alert service and SAP HANA cockpit monitor this location for transmissions of data or alerts.
Service URL: https://documents.support.sap.com		Service URL: https://documents.support.sap.com		
				SAProuters (Optional)
	_			Edit Go to SAP HANA Cockpit

SAP	SAP HANA Cockpit ② COCKPIT_ADMIN ~
< Settings (4)	Setting Details
Data Collection	
Proxy	SAP EarlyWatch Alert
Connections	
Display	SAP EarlyWatch Alert is an automatic service that can monitor the essential administrative areas of registered HANA resources, indicated critical situations, and suggest solutions. The service requires an S-user account.
SAP EarlyWatch Alerts	
	Global S-user
	A global S-user ID is required for the SAP EarlyWatch Alert service
	S-user ID: \$999000010
	Transmission Schedule
	SAP EarlyWatch Alert Service
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	Gather data weekly: Monday 12:15 AM
	Transmission Location
	SAP EarlyWatch Alert service and SAP HANA cockpit monitor this location for transmissions of data or alerts.
	Service URL: https://documents.support.sap.com/parcel
	SAProuters (Optional)
	Edit Go to SAP HANA Cockpit

SAP	SAP HANA Cockpit	? Cockpit_admin \checkmark
< Settings (4)	Setting Details	
Data Collection	Transmission Schedule	
Proxy Connections Display	SAP EarlyWatch Alert Service Receive SAP EarlyWatch Alerts and send any gathered data to SAP EarlyWatch A	lert service
SAP EarlyWatch Alerts	Transmit daily: 06:15 AM	B
	Gather data to send to SAP EarlyWatch Alert service for analysis Gather data weekly: Monday V 12:15 AM	
	Transmission Location	
	SAP EarlyWatch Alert service and SAP HANA cockpit monitor this location for transmissions of data or alerts. *Service URL: https://documents.support.sap.com/parcel SAProuters (Optional)	
	Hop 0 - SAProuter	
	Host: Is6282.wdf.sap.corp Port: 3299	
	Password:	
	Confirm Password:	~
	Hop 1 - SAProuter	
	Host: Is6282.wdf.sap.corp	
	Port: 3298	
	Password:	
		Save Cancel

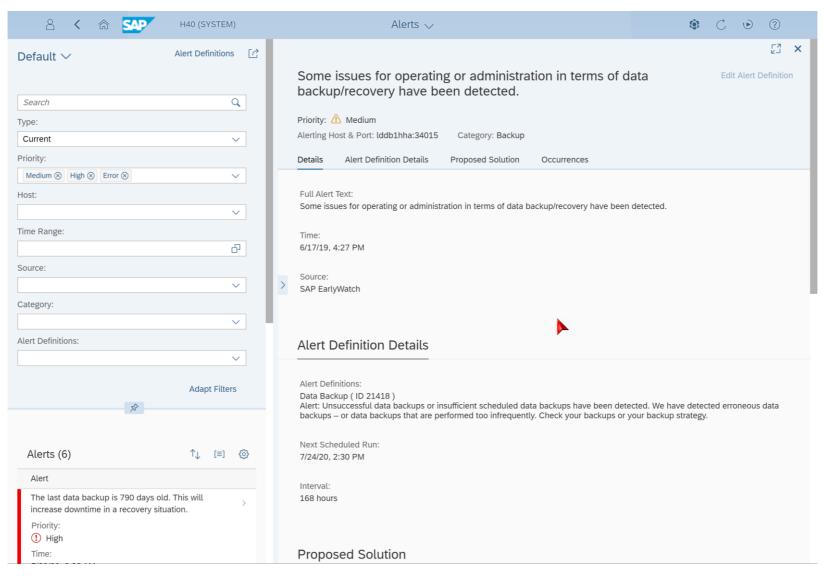
SAP		-	SAP HANA Cockpit	
Categories			SAP	SAP HANA Cockpit ⑦ COCKPIT_ADMIN ~
Registered Resources	13		 K Registered Resources (13)	Resource Details
Resource Groups	2	Welcome to the Coc	Search	Host: Iddb1hha Usage Type: CUSTOM Version: 1.00.122.20.1536720790 (fa/hana1sp12)
Cockpit Users	11		CAL - Hana in Sydney	Description:
Cockpit Settings	5	Register a Resource		0
Active Sessions	1	Register or import reso	CUSTOM	Resource Details Data Collection Settings Groups Associated with this Resource
XSA Logs		Create Resource Gr	2.00.034.00.1539746999 (fa/hana2sp03)	
		Create groups of registe		Status and Alert Counts
			CAL via localhost	Cockpit collects resource and alert count at a set interval.
		Add a Cockpit User Add users who can acc	CUSTOM	
		Add users who can acc	2.00.034.00.1539746999 (fa/hana2sp03)	Collection Settings: Global Settings
				Data Collection: Enabled
			H00@H00	Collection Frequency: 1 minute
				Resource and Feature Data
			CUSTOM	
			2.00.042.00.1565269446 (fa/hana2sp04_20	Cockpit checks resource and feature data (version, hosts, usage type) at a set interval.
			H40_Test_Dirk	Collection Settings: Global Settings
			Iddb1hha	Data Collection: Enabled
			CUSTOM	Collection Frequency: 5 minutes
			1.00.122.20.1536720790 (fa/hana1sp12)	
				SAP EarlyWatch Alert
			HA1@HA2	
			TEOT	SAP EarlyWatch Alert data is gathered, sent and received on a set schedule
			TEST 2.00.033.00.1535711040 (fa/hana2sp03)	Daily Transmit Schedule: 09:40 AM (Resource Override)
				Weekly Gather Schedule: Wednesday 09:30 AM (Resource Override)
	_		HA2@HA2	
			Register Resource 🛛 🐝	Edit Unregister Go to SAP HANA Cockpit

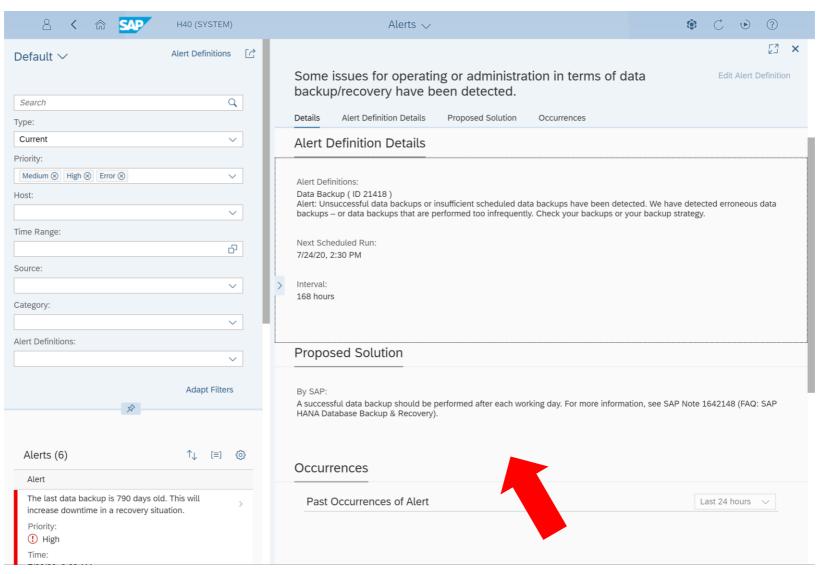
Working with the SAP EarlyWatch Alert Results – Tile Level Integration

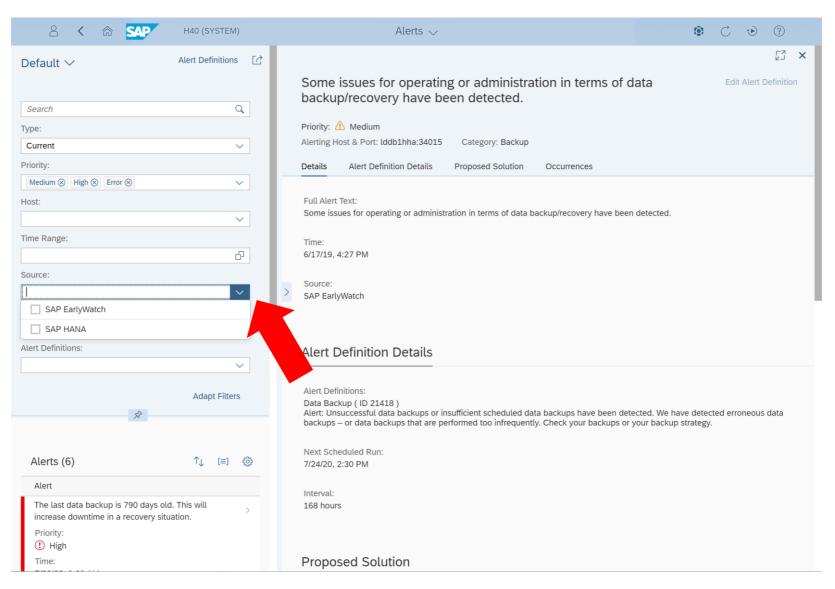
SAP HANA Cockpit	 / Company 10161 / Installation 20245418 / System SOP 312310430 / 12.03.2018 / SAP HANA Database SOP / I Provide the second seco							
My Home Monitor Landscape Manage Landscape Monitor Landscape	Status: Very Critical System ID: SOP Date: < 12.03.2018 > >>							
Resource Directory Production Development 104 Resources 0 Resources 1 Resource	SAP HANA Critical Revisions							
No resources registered No	() There is important SAP HANA HotNews.							
Manage Landscape	SAP HotNews is relevant for your currently used SAP HANA revision. These high-priority SAP Notes explain how to resolve or avoid problems that may cause the SAP system or SAP HANA DB to shut down or lose data.							
Compare Manage Cockpit Browse Data Configurations Objects	SAP HANA HotNews Description 2577798 Unexpected Results When Executing Query From XS Classic Engine							
₫ <u>₽</u> (<u></u>]+	Recommendation: Refer to the related SAP HotNews and follow the instructions given by the HotNews.							
SAP ONE Support	2							
SAP EarlyWatch Alert S-User required	SAP HANA Critical Revisions (SAP HANA Database SOP) SAP HANA database: A critical SAP Note (HotNews) exists for your current HANA revision. SOP							
List of Alerts	1 System: SOP Necommendation (1)							

合 斎 💁 H40 (SYSTEM)	Database Overview \checkmark	\$ C • (?)		
Monitoring 🗸		Stop Database Open SQL Console [계 [가		
Database Status:Database User:Host:▲ Running with issuesSYSTEMIddb1hh	Instance: Description: a 40 H40			
Search	Q × \$	>		
Services 2 hosts	Alerts	Memory Usage		
Status Service	① 3 High 🛆 3 Medium	Used Memory Resident Memory		
▲ Running with issues indexserver	View By Category View By KPA	2 Hosts		
Manage Services	High Medium Backup 2 1	lddb1hha		
CPU Usage	Security 1 0	lddb2hha		
2 Hosts	Configuration 0 1	Used Memory Peak Used Memory Memory Allocation Limit		
80	Diagnosis Files 0 1	Monitor Performance Analyze Workloads		
60	Alert Definitions	SQL Statements		
20	Disk Usage 3 of 3 Devices	select HOST, CPU, "TIME" from (select HOST, CPU, "TIME",		
0	Total 157.18 GB / 675 GB	580 msec		
Jul 20 20 20	3 Most Critical Devices	select TABLE_NAME from "SYS"."M_TABLES" where TABLE 443 msec		

8	<		SAP	H40 (SYSTEM)		Alerts \checkmark				ŝ	CE) ?
Defa	ult \sim										Alert Definit	ions [උ
				Туре:		Priority:		Host:		Time Range:		
Searc	ch		Q	Current	\sim	High⊗ Error⊗ 1 More	\sim		\sim			Ð
Source	:		~	Category:	~	Alert Definitions:	~				Adapt F	ilters
Ale	rts (6)										↑↓ [≡	≡) ۞
Prie	ority		Alert			Time	Alerting Ho	ost & Port		Source	Category	
()	High			oackup is 790 days old. T recovery situation.	his will increase	7/20/20, 9:32 AM	lddb1hha:	34003		SAP HANA	Backup	>
()	High		Internal comm	unication is configured to	oo openly	7/20/20, 9:32 AM	lddb1hha:	34003		SAP HANA	Security	>
()	High			for operating or administ recovery have been dete		6/17/19, 4:27 PM	lddb1hha:	34015		SAP EarlyWatch	Backup	>
Δ	Medium	n	0	nosis files of size greater 000000 MB. This can inc ase.		7/20/20, 1:54 PM	lddb1hha:	34003		SAP HANA	Diagnosis File	es >
Δ	Medium	n		or operating or administra ecovery have been detec		6/17/19, 4:27 PM	lddb1hha:	34015		SAP EarlyWatch	Backup	>
Δ	Medium	n		abase parameters are no th the recommendation.	ot set in	6/17/19, 4:27 PM	lddb1hha:	34015		SAP EarlyWatch	Configuration	







Further Info

Further Info

Prerequisites:

- SAP HANA Cockpit 2.0 SP11.
- Monitored system at least SAP HANA 1.0 SPS12

Links:

- SAP Hana Academy SAP HANA Cockpit 2.0 and EarlyWatch Alert (HANA Cockpit 2.0 SP7): <u>https://www.youtube.com/watch?v=x-aahVgdVDk</u>
- What's New in SAP HANA Cockpit 2.0 SP 11: <u>https://blogs.sap.com/2019/10/21/whats-new-in-sap-hana-cockpit-2.0-sp-11/</u>
- Docu Pages for SAP HANA Cockpit SP11: https://help.sap.com/viewer/afa922439b204e9caf22c78b6b69e4f2/2.11.0.0/en-US/7baf3c9648c54191951cfd08692507af.html
- Technical S-User: How to get one? <u>https://i7p.wdf.sap.corp/sap/support/notes/2174416</u>

Personalization in SAP EarlyWatch Alert Workspace Demo



SAP EarlyWatch Alert Status UI in SAP Focused Run



New EWA Status UI in FRUN – how to use

The UI shows per system static information like its status and if the system has been activated for EWA processing.

Using the "Active"/"Inactive" Filter on the top to choose a focus with a single click

It shows the EWA processing information per system on weekly basis. But it does not reflect the EWA report rating.

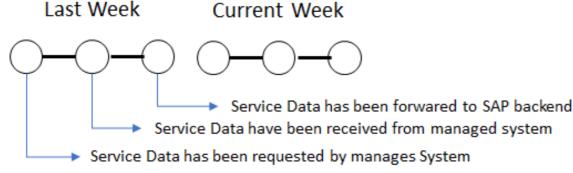
The overall processing rating per system is indicated via color code on the very left side

- Blue in process
- Green OK
- Red processing affected by issue

System List								
All Systems	Active Inactive							
System (3453	3)					Sea	rch	Q @
Ext. System ID	System Type	Customer Name	IT Admin	Status Last Week	Status Current Week	Overall Rating	Active	Last Changed On
	Application Server Java		Production System	No Status	No Status	Success	YES O	
	Application Server ABAP		Production System	0-0-0	0-0-0	Success	YES O	09/10/2019 11:41
	Application Server ABAP		Production System	8-8-8	8-8-8	Success	YES O	
	SAP HANA Database		Production System	No Status	No Status	Success	YES O	
	Application Server Java		Production System	No Status	No Status	Success	YES O	
	Application Server ABAP		Production System	0-0-0	0-0-0	Error	YES O	21/01/2020 13:08
	Application Server ABAP		Production System	0-0-0	0-0-0	Success	YES O	
	SAP BusinessObjects Cluster		Production System	No Status	No Status	Success	YES O	
	Application Server ABAP		Production System	0-0-0	0-0-0	Success	YES O	
-	Application Server Java		Production System	No Status	No Status	Success	YES O	
	SAP HANA Database		Production System	No Status	No Status	Success	YES O	
	Application Server ABAP		Production System	0-0-0	0-0-0	In Proccess	YES O	

New EWA Status UI in FRUN – Details 1/3

The main source of information is the status indication for 3 steps each week for **ABAP** based systems.



The UI shows the last week and the current week to understand the nature of an issue

- Each status can have 1 out of 3 states:
- Neutral (no color indication like above)
- Red (negative status for step)
- Green (positive status step)

After all steps successfully executed (green) turns the overall rating for a system to green

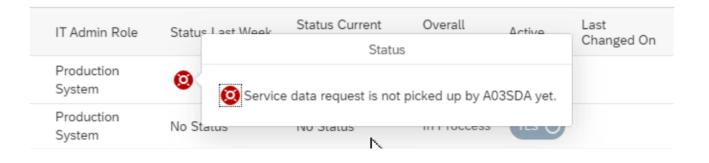
New EWA Status UI in FRUN – Details 3/3

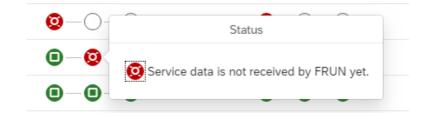
For ABAP systems the UI reflect the past and current processing state

You can click on the status indicator to see the reason for indication

As FRUN is not storing the original metric data the indication gives an inside in the process status sending data from managed system to FRUN

Finally FRUN is only sending a data container to the SAP backend







SAP EarlyWatch Alert for Java transmitted by Focused Run Service Messages App Demo



Notifications in SAP EarlyWatch Alert



Manage Notifications

C SAP Manage Notifications	Knowl 🗸	Enter search term		\triangle^{\equiv} Susanne Glaenzer (S0013968973) \checkmark
Notification Settings				(ŵ
Application		Launchpad	E-Mail	SMS
Announcement of Legal Change (く				
Confirm Hosted Installations				OFF
Customer Remote Logon Depot				OFF
Guided Worklist			OFF	OFF
> Incidents				OFF
Installation Management		ON O		OFF

Notification Maintenance

EarlyWatch Alert Workspace	Knowledge Base 🗸 🗸	Enter search term	Q	Ô	R 🕛 E	5 [≡] Susanne Glaenzer ([0020566) 🗸
		Notification Settings for Views:				Q	e (2
MaxAttentionSummit2019		✓ Alerts					
SAP EarlyWatch Alert Workspace		2 Billion Record Limit - Critical Tables 2 Billion Record Limit - Solved Tables					
MaxAttention		Ale 🛞					~
EWA Workspace							~
Contact Us Share Your Feedback About the La	unchpad Status	Terms	of Use	Copyrigi	nt and Trademark	s Legal Disclosure	Privacy

EarlyWatch Alert Workspace	Knowledge Base 🔍	Enter search term	Q		Susanne Glaen	zer (D020566)	\sim
		Notification Settings for Views:			l		<u></u>
MaxAttentionSummit2019		2 Billion Record Limit - Critical Tabl (&) 2 Billion Recor	rd Limit - Solved Tabl	⊗ Ale ⊗	~	
SAP EarlyWatch Alert Workspace		2 Billion Record Limit - Critical Tabl 🛞)			\sim	h
MaxAttention		Ale 🛞				~	
EWA Workspace						~	
Contact Us Share Your Feedback About the Laur	nchpad Status		Terms of Use	Copyright and Traden	narks Legal Disclo	sure Priva	асу

Notification Example

2 Billion Record Limit Forecast (View SAP IT Business Systems)

Critical object in system I3P detected.

The forecast detected an issue with priority 2: SAPI3P.EDID4 might reach the maximum number of entries. The calculated worst-case date is 24.08.2020. For details, see <u>App</u> <u>URL</u>.

Definition of priority:

The worst-case date is the result of an unfavorable, yet possible forecast - with a probability of 80% the limit is reached later. The priority depends on the period until this worst-case date is reached:

Priority Period

- 1 less than 30 days
- 2 for the first time less than 60 days
- 3 for the first time less than 90 days

Thank you!

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Dirk Müller

Development SAP EarlyWatch Alert SAP SE <u>dirk.mueller@sap.com</u>

Blogs:

https://community.sap.com/search/?ct=blog&q=earlywatch





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