



The data driven collaboration platform

SAP EarlyWatch Alert Workspace

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Your Personalized Digital
Support Experience



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SAP EarlyWatch Alert with SAP HANA Cockpit

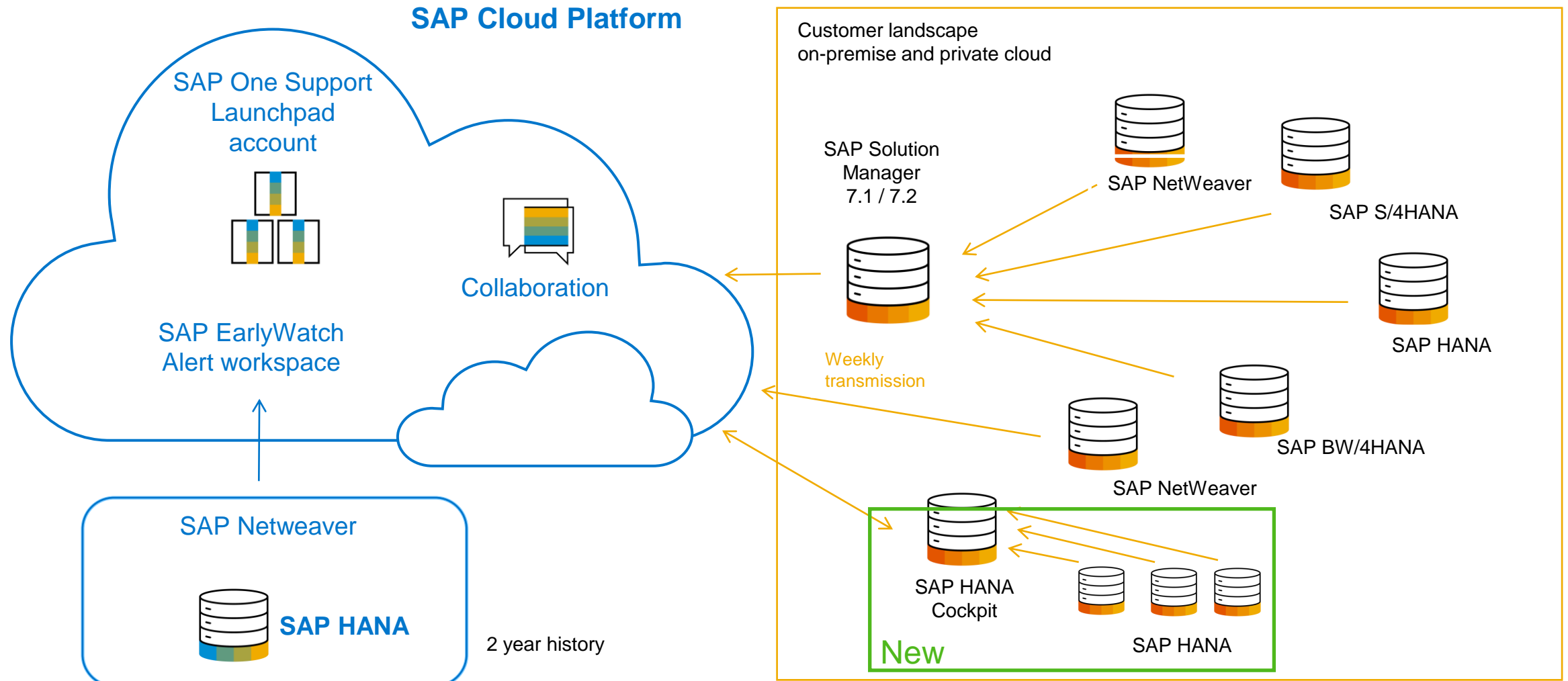
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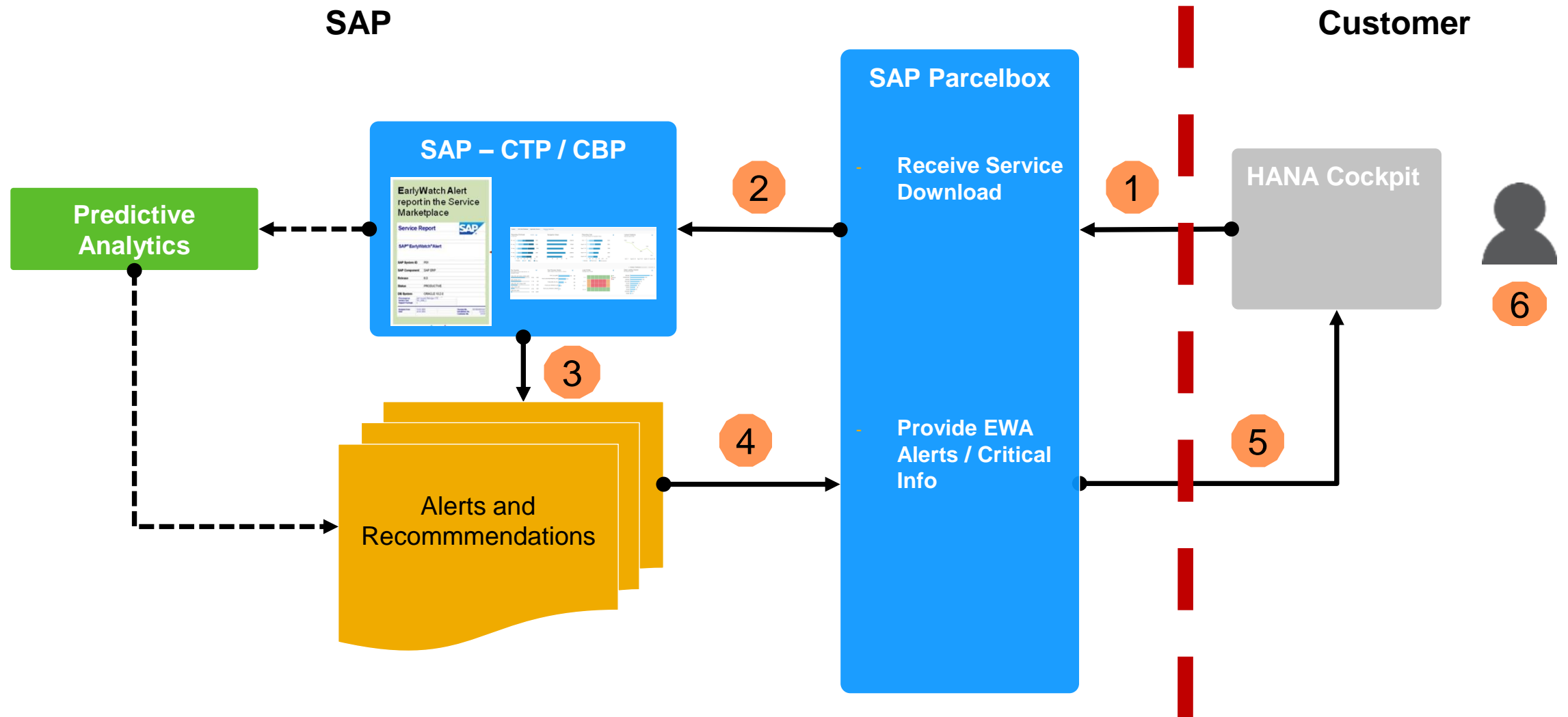
SAP EarlyWatch Alert – New Option via SAP HANA Cockpit

SAP EarlyWatch Alert – New Option via SAP HANA Cockpit



How does it work: Overview

How does it work: Overview



Network View

SAP Network

Public Network

- Internet
- T1 Network (dedicated)
- ...

Customer Network



https

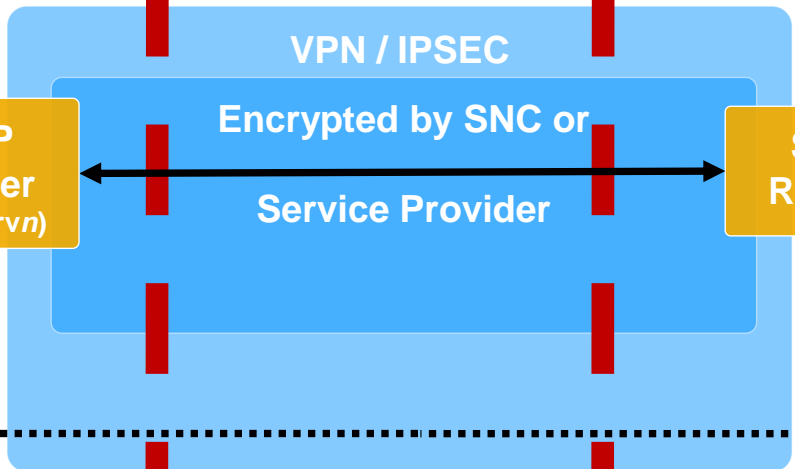
SAP Support Documents

https

SAP Router (sapservn)

https

https



1. TCP connect w/ route info (complete network route)

SAP Router

2. https

HANA Cockpit

https

https

Legend:

- ↔ Defined data locality w/ SNC encryption
- ↔...↔ Defined data locality w/ altern. encryption
- ↔- - -↔ Undefined data locality w/ SSL

Setting up the EarlyWatch Alert in SAP Hana Cockpit

Setting up the EarlyWatch Alert in SAP Hana Cockpit

The screenshot shows the SAP HANA Cockpit interface. On the left, the 'Categories' menu lists 'Registered Resources' (13), 'Resource Groups' (2), 'Cockpit Users' (11), 'Cockpit Settings' (5), 'Active Sessions' (1), and 'XSA Logs'. A red arrow points to 'Cockpit Settings'. The main area shows 'Settings (4)' with a list: 'Data Collection', 'Proxy', 'Connections', 'Display', and 'SAP EarlyWatch Alerts'. A second red arrow points to 'SAP EarlyWatch Alerts'. The 'Setting Details' page for 'SAP EarlyWatch Alert' is displayed, showing the following configuration:

- SAP EarlyWatch Alert**
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.
- Global S-user**
A global S-user ID is required for the SAP EarlyWatch Alert service
S-user ID: S999000010
- 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
- SAProuters (Optional)**

At the bottom right, there are 'Edit' and 'Go to SAP HANA Cockpit' buttons.

Setting up the EarlyWatch Alert in SAP Hana Cockpit

The screenshot shows the 'SAP EarlyWatch Alert' configuration page in the SAP HANA Cockpit. The interface includes a top navigation bar with the SAP logo, 'SAP HANA Cockpit', and a user dropdown 'COCKPIT_ADMIN'. A left sidebar lists settings categories: 'Settings (4)', 'Data Collection', 'Proxy', 'Connections', 'Display', and 'SAP EarlyWatch Alerts' (which is selected). The main content area is titled 'Setting Details' and contains the following sections:

- SAP EarlyWatch Alert**: A descriptive paragraph stating that the service monitors administrative areas of HANA resources and suggests solutions, requiring an S-user account.
- Global S-user**: A section indicating that a global S-user ID is required, with the current value 'S-user ID: S9990000010' displayed.
- Transmission Schedule**: A section for configuring the alert service with two checked options:
 - ☒ Receive SAP EarlyWatch Alerts and send any gathered data to SAP EarlyWatch Alert service. Sub-setting: Transmit daily: 12:15 PM.
 - ☒ Gather data to send to SAP EarlyWatch Alert service for analysis. Sub-setting: Gather data weekly: Monday 12:15 AM.
- Transmission Location**: A section explaining that the service and cockpit monitor this location for transmissions, with the 'Service URL: https://documents.support.sap.com/parcel'.
- SAProuters (Optional)**: A section for optional configuration.

At the bottom right, there are two buttons: 'Edit' and 'Go to SAP HANA Cockpit'.

Setting up the EarlyWatch Alert in SAP Hana Cockpit

The screenshot shows the 'SAP HANA Cockpit' interface with the 'Settings (4)' sidebar on the left. The 'SAP EarlyWatch Alerts' option is selected. The main area is titled 'Setting Details' and contains the following sections:

- Transmission Schedule**
 - ☒ Receive SAP EarlyWatch Alerts and send any gathered data to SAP EarlyWatch Alert service
 - Transmit daily: 06:15 AM
 - ☒ 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:
- SAProuters (Optional)**
 - Hop 0 - SAProuter**
 - Host:
 - Port:
 - Password:
 - Confirm Password:
 - Hop 1 - SAProuter**
 - Host:
 - Port:
 - Password:

At the bottom right, there are 'Save' and 'Cancel' buttons.

Setting up the EarlyWatch Alert in SAP Hana Cockpit

The screenshot displays the SAP HANA Cockpit interface, divided into three main sections: Categories, Registered Resources, and Resource Details.

Categories: A list of categories with counts. A red arrow points to the 'Registered Resources' category, which has 13 items.

Registered Resources (13): A list of resources. A red arrow points to the 'CAL - Hana in Sydney' resource, which is highlighted. Below it, other resources like 'CAL via localhost', 'H00@H00', 'H40_Test_Dirk', 'HA1@HA2', and 'HA2@HA2' are visible.

Resource Details: A detailed view of the selected resource. A red arrow points to the 'Data Collection Settings' link. The settings show:

- Host: lddb1hha
- Usage Type: CUSTOM
- Version: 1.00.122.20.1536720790 (fa/hana1sp12)
- Description:
- Resource Details: 0 Groups Associated with this Resource
- Status and Alert Counts: Cockpit collects resource status and alert count at a set interval.
- Collection Settings: Global Settings
- Data Collection: Enabled
- Collection Frequency: 1 minute
- Resource and Feature Data: Cockpit checks resource and feature data (version, hosts, usage type) at a set interval.
- Collection Settings: Global Settings
- Data Collection: Enabled
- Collection Frequency: 5 minutes
- SAP EarlyWatch Alert: SAP EarlyWatch Alert data is gathered, sent and received on a set schedule.
- Daily Transmit Schedule: 09:40 AM (Resource Override)
- Weekly Gather Schedule: Wednesday 09:30 AM (Resource Override)

At the bottom of the interface, there are buttons for 'Register Resource', 'Edit', 'Unregister', and 'Go to SAP HANA Cockpit'.

Working with the SAP EarlyWatch Alert Results

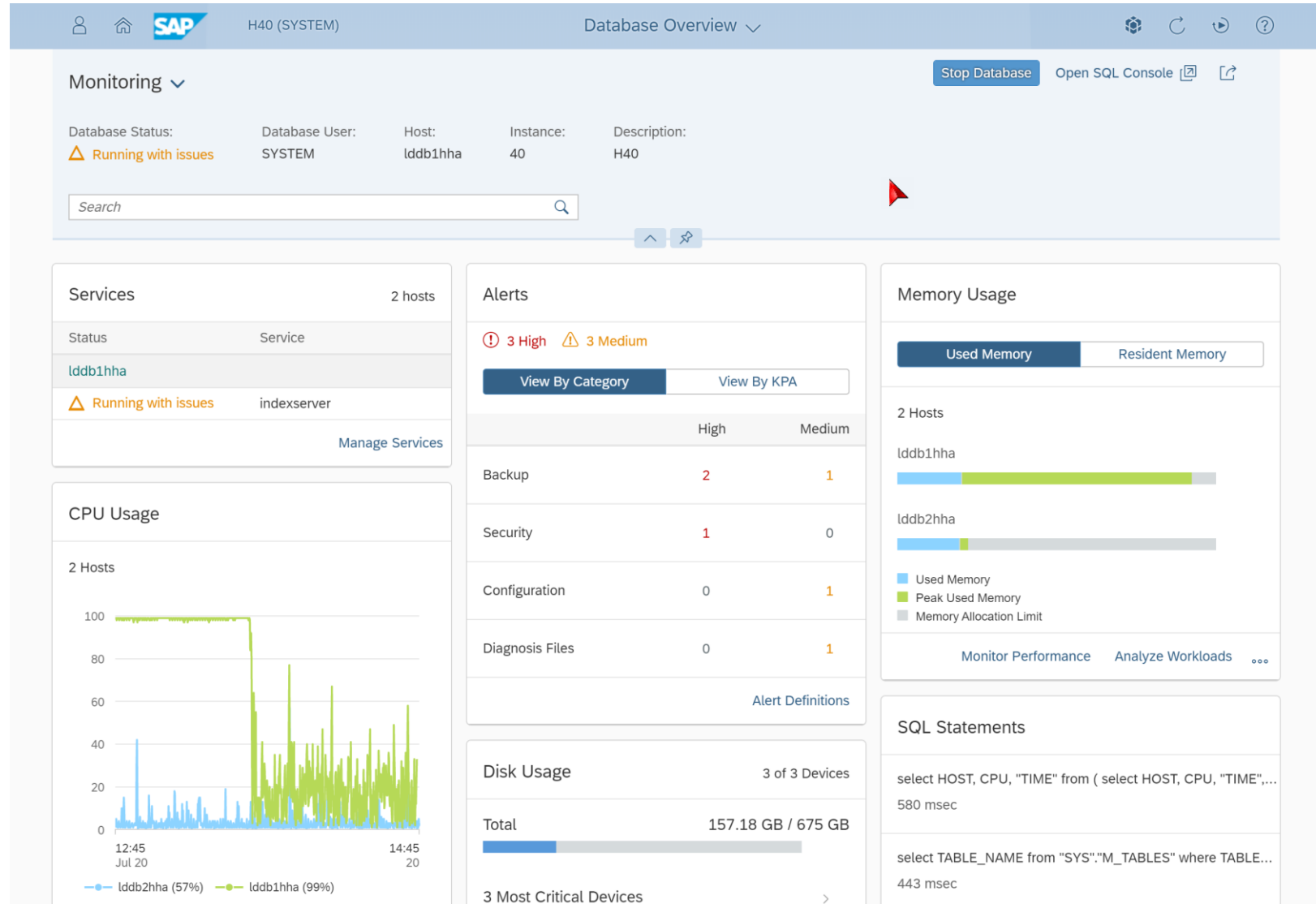
Working with the SAP EarlyWatch Alert Results – Tile Level Integration

The image shows the SAP HANA Cockpit interface. On the left, the 'Monitor Landscape' section displays resource counts for Resource Directory (104), Production (0), and Development (1). Below this is the 'Manage Landscape' section with options like 'Compare Configurations', 'Manage Cockpit', and 'Browse Database Objects'. At the bottom left, a red-bordered box highlights the 'SAP ONE Support' section, which contains an 'SAP EarlyWatch Alert' tile. This tile indicates 'S-User required' and shows a warning icon with the text 'List of Alerts'. An arrow labeled '1' points from this tile to a detailed alert window on the right.

The detailed alert window on the right is titled 'SAP HANA Database SOP' and shows a 'Status: Very Critical' for 'System ID: SOP' as of '12.03.2018'. It features a section for 'SAP HANA Critical Revisions' with a warning icon and the message: 'There is important SAP HANA HotNews. 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.' Below this is a table with two columns: 'SAP HANA HotNews' and 'Description'. The table contains one entry with the ID '2577798' and the description 'Unexpected Results When Executing Query From XS Classic Engine'. A 'Recommendation' section follows, advising to refer to the related SAP HotNews. An arrow labeled '2' points from the '2577798' link in the table to a second, larger alert window at the bottom right.

This second alert window is titled 'SAP HANA Critical Revisions (SAP HANA Database SOP)' and contains the message: 'SAP HANA database: A critical SAP Note (HotNews) exists for your current HANA revision.' It lists '1 System: SOP' and provides a 'Recommendation (1)' link.

Working with the SAP EarlyWatch Alert Results



Working with the SAP EarlyWatch Alert Results

Default ▾ Alert Definitions

Search Type: **Current** ▾ Priority: **High** **Error** 1 More ▾ Host: ▾ Time Range:

Source: ▾ Category: ▾ Alert Definitions: ▾ Adapt Filters

Alerts (6) ↑↓ [≡] ⚙

Priority	Alert	Time	Alerting Host & Port	Source	Category	
High	The last data backup is 790 days old. This will increase downtime in a recovery situation.	7/20/20, 9:32 AM	lddb1hha:34003	SAP HANA	Backup	>
High	Internal communication is configured too openly	7/20/20, 9:32 AM	lddb1hha:34003	SAP HANA	Security	>
High	Severe issues for operating or administration in terms of log backup/recovery have been detected.	6/17/19, 4:27 PM	lddb1hha:34015	SAP EarlyWatch	Backup	>
Medium	There are diagnosis files of size greater than or equal to 2596.180000000000 MB. This can indicate a problem with the database.	7/20/20, 1:54 PM	lddb1hha:34003	SAP HANA	Diagnosis Files	>
Medium	Some issues for operating or administration in terms of data backup/recovery have been detected.	6/17/19, 4:27 PM	lddb1hha:34015	SAP EarlyWatch	Backup	>
Medium	SAP HANA database parameters are not set in accordance with the recommendation.	6/17/19, 4:27 PM	lddb1hha:34015	SAP EarlyWatch	Configuration	>

Working with the SAP EarlyWatch Alert Results

The screenshot displays the SAP EarlyWatch Alert Results interface. The top navigation bar includes the SAP logo, system name 'H40 (SYSTEM)', and an 'Alerts' dropdown menu. The left sidebar, titled 'Default', contains filter configuration options: a search bar, 'Type' (set to 'Current'), 'Priority' (set to 'Medium'), 'Host', 'Time Range', 'Source', 'Category', and 'Alert Definitions'. Below these filters is an 'Adapt Filters' button. The bottom left section, titled 'Alerts (6)', shows a list of alerts. The first alert is highlighted with a red bar and shows a 'High' priority status. The main right section displays the details of the selected alert. The alert title is 'Some issues for operating or administration in terms of data backup/recovery have been detected.' with an 'Edit Alert Definition' link. The alert details include: Priority: Medium (with a warning icon), Alerting Host & Port: lddb1hha:34015, Category: Backup, and a 'Details' tab selected. The 'Full Alert Text' is the same as the title. The 'Time' is 6/17/19, 4:27 PM. The 'Source' is SAP EarlyWatch. Below this, the 'Alert Definition Details' section shows the alert definition: 'Data Backup (ID 21418)' with a description: 'Alert: Unsuccessful data backups or insufficient scheduled data backups have been detected. We have detected erroneous data backups – or data backups that are performed too infrequently. Check your backups or your backup strategy.' The 'Next Scheduled Run' is 7/24/20, 2:30 PM, and the 'Interval' is 168 hours. The 'Proposed Solution' section is also visible at the bottom.

Alerts (6)

Alert
The last data backup is 790 days old. This will increase downtime in a recovery situation.
Priority: High
Time:

Alert Details

Some issues for operating or administration in terms of data backup/recovery have been detected.

Priority: Medium

Alerting Host & Port: lddb1hha:34015 Category: Backup

Details Alert Definition Details Proposed Solution Occurrences

Full Alert Text:
Some issues for operating or administration in terms of data backup/recovery have been detected.

Time:
6/17/19, 4:27 PM

Source:
SAP EarlyWatch

Alert Definition Details

Alert Definitions:
Data Backup (ID 21418)
Alert: Unsuccessful data backups or insufficient scheduled data backups have been detected. We have detected erroneous data backups – or data backups that are performed too infrequently. Check your backups or your backup strategy.

Next Scheduled Run:
7/24/20, 2:30 PM

Interval:
168 hours

Proposed Solution

Working with the SAP EarlyWatch Alert Results

The screenshot displays the SAP EarlyWatch Alert Results interface. The top navigation bar includes the SAP logo, system name (H40 (SYSTEM)), and a dropdown menu for Alerts. The left sidebar contains a filter panel for Alert Definitions, with sections for Search, Type (Current), Priority (Medium, High, Error), Host, Time Range, Source, Category, and Alert Definitions. Below the filters is a list of Alerts (6), with the first alert highlighted: "The last data backup is 790 days old. This will increase downtime in a recovery situation." The main content area shows the details of the selected alert, including a summary, Alert Definition Details, Proposed Solution, and Occurrences. A red arrow points to the "Occurrences" section.

Alert Summary: Some issues for operating or administration in terms of data backup/recovery have been detected.

Alert Definition Details:

- Alert Definitions: Data Backup (ID 21418)
- Alert: Unsuccessful data backups or insufficient scheduled data backups have been detected. We have detected erroneous data backups – or data backups that are performed too infrequently. Check your backups or your backup strategy.
- Next Scheduled Run: 7/24/20, 2:30 PM
- Interval: 168 hours

Proposed Solution:

By SAP:
A successful data backup should be performed after each working day. For more information, see SAP Note 1642148 (FAQ: SAP HANA Database Backup & Recovery).

Occurrences:

Past Occurrences of Alert

Last 24 hours

Working with the SAP EarlyWatch Alert Results

Default Alert Definitions

Search

Type: **Current**

Priority: **Medium** **High** **Error**

Host:

Time Range:

Source:

- ☐ SAP EarlyWatch
- ☐ SAP HANA

Alert Definitions:

Alerts (6)

Alert
The last data backup is 790 days old. This will increase downtime in a recovery situation.

Alerts Alerts Alerts

Alert Definition Details

Some issues for operating or administration in terms of data backup/recovery have been detected.

Priority: **Medium**

Alerting Host & Port: lddb1hha:34015 Category: Backup

Full Alert Text:
Some issues for operating or administration in terms of data backup/recovery have been detected.

Time:
6/17/19, 4:27 PM

Source:
SAP EarlyWatch

Alert Definitions:
Data Backup (ID 21418)
Alert: Unsuccessful data backups or insufficient scheduled data backups have been detected. We have detected erroneous data backups – or data backups that are performed too infrequently. Check your backups or your backup strategy.

Next Scheduled Run:
7/24/20, 2:30 PM

Interval:
168 hours

Proposed Solution

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): <https://www.youtube.com/watch?v=x-aahVgdVDk>
- What's New in SAP HANA Cockpit 2.0 SP 11: <https://blogs.sap.com/2019/10/21/whats-new-in-sap-hana-cockpit-2.0-sp-11/>
- 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? <https://i7p.wdf.sap.corp/sap/support/notes/2174416>

Questions?

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Thank you!