

# Future and next steps of SAP Cloud ALM Configuration & Security Analysis

Dr. Hendrik Mueller, SAP  
Product Manager, SAP Cloud ALM Configuration & Security Analysis  
20. March 2025



# Agenda

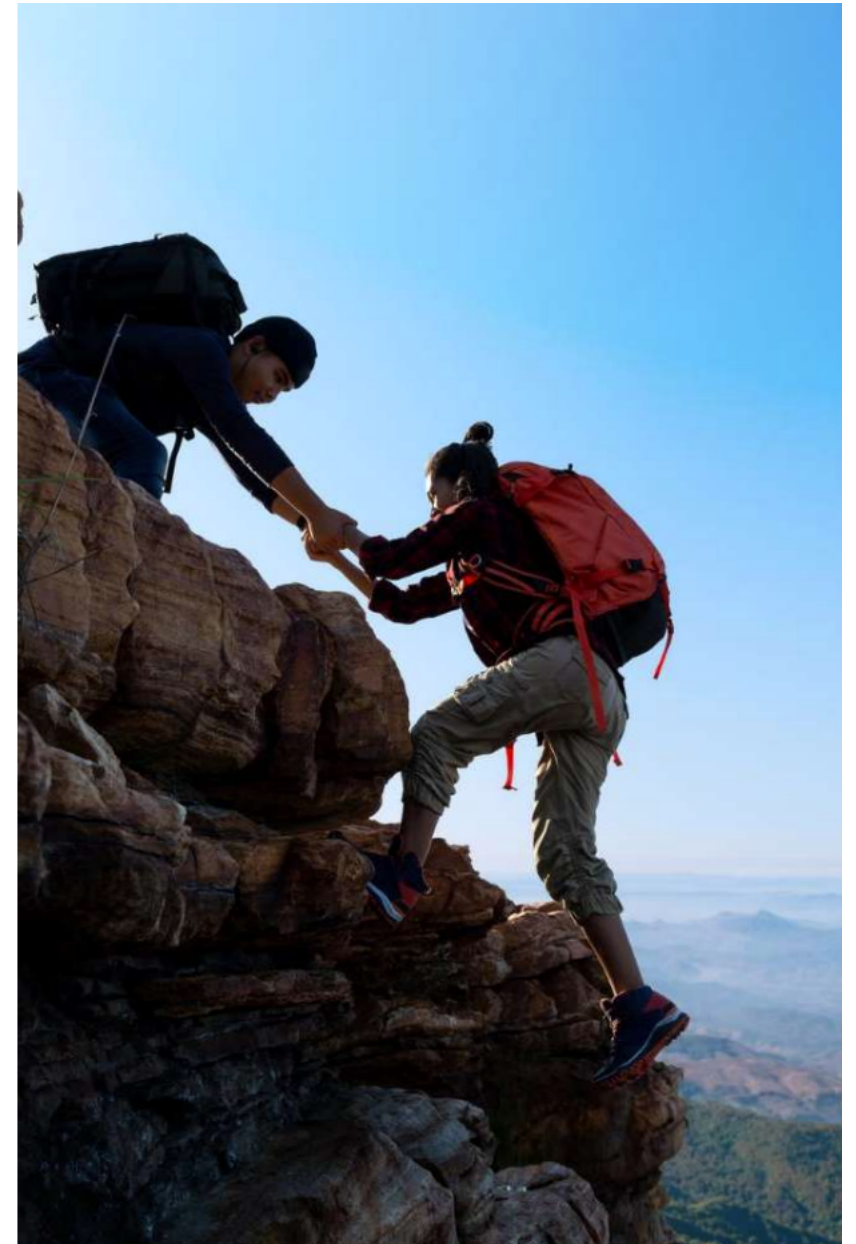
1. Status Quo – What can you already do today?
2. Next steps and customer involvement
3. Outlook
4. Summary and Q & A

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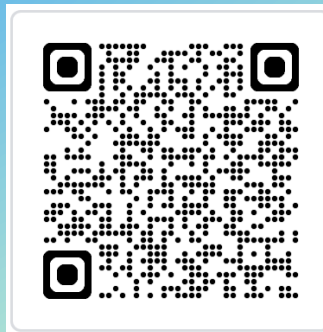
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**1. Status Quo – What can you already do today?**

# Configuration & Security Analysis in SAP Cloud ALM – Status: April 2025

## From Data to Dashboards





# Configuration & Security Analysis in SAP Cloud ALM – Status: April 2025

**SAP Configuration & Security Analysis**

Technical Systems / Configuration Stores of FD4

Search

Landscape object	Description	Store Name	Store Type	Data range (To)	
System FD4	Software component level	<a href="#">ABAP_COMP_LEVEL</a>	TABLE	Feb 25, 2025, 5:02:40 PM	>
System FD4	ABAP Code Vulnerability Analyzer status	<a href="#">ABAP_CVA_LICENSE</a>	TABLE	Feb 24, 2025, 11:38:39 PM	>
Instance ldcifd4_F...	Instance parameter	<a href="#">ABAP_INSTANCE_PAHI</a>	TABLE	Feb 24, 2025, 11:13:44 PM	>
System FD4	ABAP Instances	<a href="#">ABAP_INSTANCES</a>	TABLE	Feb 25, 2025, 5:02:39 PM	>
System FD4	ABAP Notes	<a href="#">ABAP_NOTES</a>	TABLE	Feb 24, 2025, 11:13:45 PM	>
System FD4	Installed software packages	<a href="#">ABAP_PACKAGES</a>	TABLE	Feb 24, 2025, 11:08:38 PM	>
System FD4	ABAP Scenario-Based Checks Information	<a href="#">ABAP_SACF_INFO</a>	TABLE	Feb 24, 2025, 11:59:44 PM	>
System FD4	ABAP Secure Storage Encryption Key status	<a href="#">ABAP_SECSTORE_INFO</a>	TABLE	Feb 24, 2025, 11:54:38 PM	>
System FD4	ABAP Generic Whitelists Information	<a href="#">ABAP_SLDW_INFO</a>	TABLE	Feb 24, 2025, 11:38:39 PM	>
Client FD4200	SOAManager Consumer Proxy Logical Ports	<a href="#">ABAP_SOA_CONSUMER_PROXY...</a>	TABLE	Feb 24, 2025, 11:23:39 PM	>
Client FD4200	SOAManager Service Definitions	<a href="#">ABAP_SOA_SERVICES_ENDPOIN...</a>	TABLE	Feb 24, 2025, 11:18:44 PM	>
System FD4	ABAP Start Authorization check (USOBAUTHINACTIVE)	<a href="#">ABAP_STARTAUTHCHECK</a>	TABLE	Feb 24, 2025, 11:59:44 PM	>
System FD4	Transports	<a href="#">ABAP_TRANSPORTS</a>	EVENT	Feb 25, 2025, 5:02:41 PM	>

Configuration & Security Analysis in SAP Cloud ALM – Status: April 2025

# Demo

[Home](#)

## **2. Next steps and customer involvement**



We aim to deliver product readiness for your transition from SAP Solution Manager ConfigVal to SAP Cloud ALM Configuration and Security Analysis *by End of 2026.*



2025

2026

2027

- Pre-configured Validations (selectable, adaptable)
- Alerts & Notifications
- Re-newed CSA Home Screen
- More CCDB Data
- Customer Influence Project
- Roadmap

PoC

Ready

Live  
in SAP Cloud ALM



# Shape the Future of SAP Cloud ALM Configuration & Security Analysis Customer Engagement Initiative Project

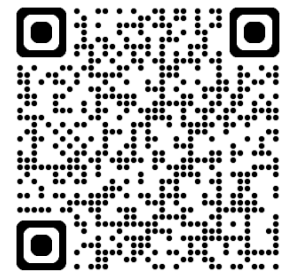


## Project Goal

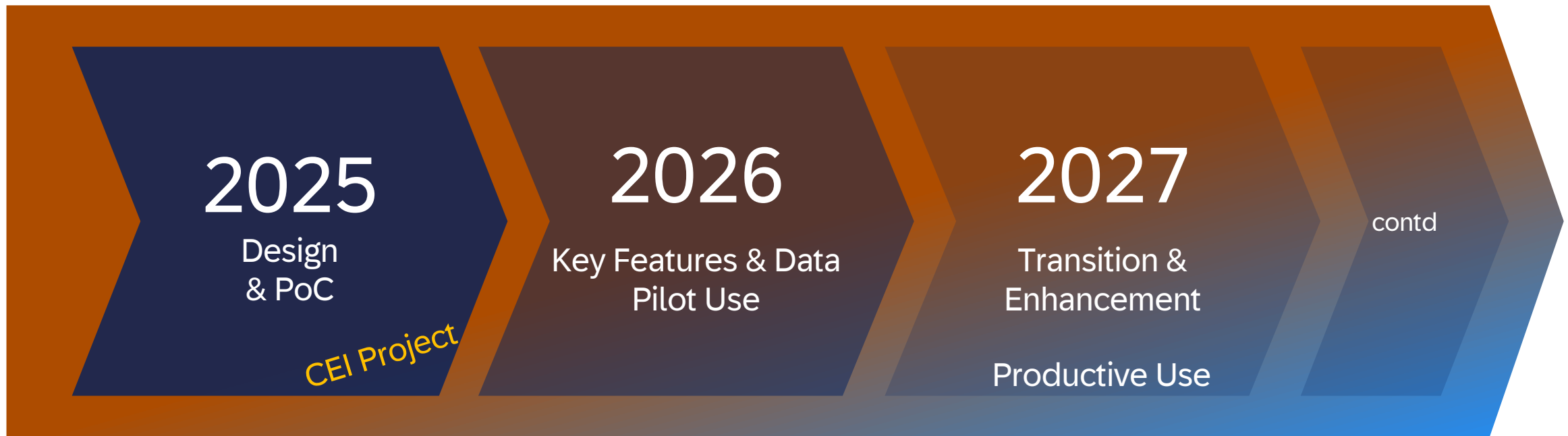
- ❑ Involve Customers into **Applications-Design** (Features, UX) and **Implementation Priorities**.
- ❑ Implementation of most essential Feature Scope **achieved by End of 2026**.
- ❑ **Transparency** on SAP Plans and Progress.
- ❑ Duration approx. **1 year**

Registration Period: 24<sup>th</sup> Feb – 30<sup>th</sup> Mar 2025

<https://influence.sap.com/sap/ino/#campaign/3864>



**We aim to deliver product readiness for your transition from SAP Solution Manager ConfigVal to SAP Cloud ALM Configuration and Security Analysis by End of 2026.**



- How are you currently working with Config Val (SAP Solution Manager)?
- How would you want to work with CSA (SAP Cloud ALM)?
- Essentials for Transitioning completed
- Left-overs
- Migration Support
- Feature Enhancement
- Further Evolution

In parallel we work on the strategy and direction of  
Configuration and Security Analysis  
in SAP Focused Run.

More info towards end of this year / early 2026

## 3. Outlook

# Configuration Validation in IT Operations of Hybrid SAP Landscapes

## Typical Use

### Compare with SAP Recommendations

Security in SAP EarlyWatch Alert

### Overview

SAP EarlyWatch Alert Workspace

34  
New decisive red alerts

### Detail



Security Optimization Service

System Recommendation



SAP Security Baseline Template

Company's Security Policy

Company's SAP Security Baseline

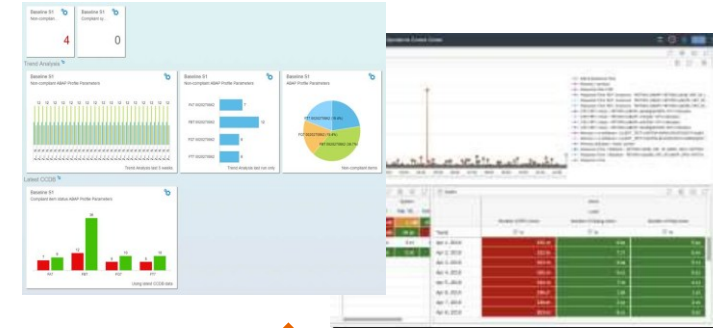
Internal regulations relevant for all systems – to be enforced.

Technical Representation of Rules

automate

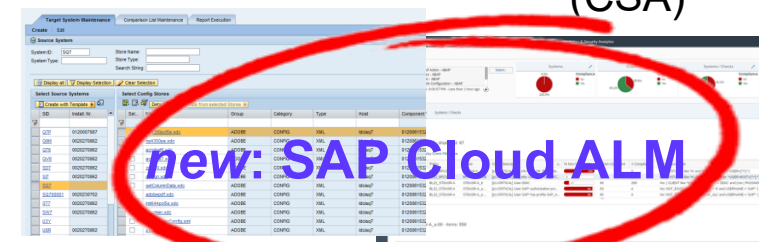
### Compare actual Configurations with Company's Security Policy

Management Dashboard



Configuration Validation

Configuration and Security Analysis (CSA)



SAP Solution Manager

SAP Focused Run



# Key Personas and Tasks



**ETHAN SHIELD**

Role: **Security Officer**

## ABOUT

As Security Officer, I am responsible for keeping the security posture of our SAP Solutions (and the business on top) at an acceptable level and lead us through successful audits..

In my role I deliver reporting, analysis results and change requests to a wide range of stakeholders, from technical expert to C-level executives



**JACOB TAYLOR**

Role: **Technical Administrator**

## ABOUT

As a technical Administrator I am responsible for setup, regular maintenance and daily operation of the services and systems in our hybrid SAP landscape.

I also support central teams in external Audits and in project work.



**VICKY LEE**

Role: **General Manager**

## ABOUT

As a general manager of my business unit I am responsible for the stable, secure and compliant daily operation of services and systems and the core business processes operated with them.

I also support my teams to set priorities and get their job done.

# Security Dashboards

and Reports ...

—————▶ 2026!?

Security relevant Data (Static & Runtime)  
On-premise and Cloud

## new HOME Screen – Dashboard View (Vision)

**Configure:**

Display Options – Aggregation Level: Service | Service Type | ...

The screenshot shows the SAP Configuration & Security Analysis dashboard. The top navigation bar includes the SAP logo, the title 'Configuration & Security Analysis', and several utility icons. A left sidebar contains navigation options: Home (highlighted), later Analysis, new Metrics, new Alerts, Browse, Changes, Search, and Admin. The main content area is titled 'Favorites (5)' and displays three service cards:

- IdentityAuthentication01** (Identity Authentication): Metrics (36, 7, 126), Compliance (63%), Oldest Red Metric (123 days), Quality (checked), Open Alerts (54).
- MyBtpCloudFoundry\_01** (SAP BTP, Cloud Foundry environment): Metrics (11, 123), Compliance (91%), Oldest Red Metric (0), Quality (checked), Open Alerts (0).
- MyCentralUserManagement#01** (3 out of 5 Services displayed): MyS4HANACloud\_01 (SAP S/4HANA Cloud), IdentityAuthentication01 (Identity Authentication), MyFieldServiceMgmt\_01 (SAP Field Service Management), Quality (checked), Open Alerts (0).

A magnifying glass is positioned over the first card, with a label 'Initial Scope' pointing to it. Below the cards, descriptive text reads: 'SAP Cloud Identity – identity Authentication', 'BTP Subaccount with its Core Services, SaaS Service Instances and Subscriptions and Apps', and 'SAP Cloud Central User Management scenario with its SAP S4HANA Cloud, Cloud Identity Services (IAS, IPS), SAP Fieldglass and SAP Success Factors'.

Configuration & Security Status for Systems, Services, BTP Subaccounts and Business Services

## Metric Status – Overview

**SAP Configuration & Security Analysis** 527 Last Refresh : Feb 27, 2025, 3:47:49 PM

**Monitoring** Time Frame: 26/02/2025, 15:47:49 - 27/02/2025, 15:47:49 Scope: RT6008, S4H801, MyS4HANA\_S4P, SCC, Successfactors,... Type: SAP Cloud ALM

Monitoring

Services / Systems (30/30) Select KPI Search to filter text

Name	Type	Status	Alerts	Compliance	Message	Data Collection
<b>cloudalm</b> MyCloudALM_00 (0M30IID)	SAP Cloud ALM		0	47 %	[Critical] 406 metrics in status: 'Critical': 18, 'Warning': 78, 'Okay': 182, 'Info': 128	
<b>S4H801</b> S4H (S4H801)	SAP S/4HANA		0	93%	[Critical] 133 metrics in status: 'Critical': 2, 'Warning': 5, 'Okay': 124	
<b>SCC</b> Cloud Connector Productive	Cloud Connector		0	95%	[Critical] 133 metrics in status: 'Critical': 2, 'Warning': 5, 'Okay': 124	
<b>MyCPI</b> MyCPI	SAP Integration Suite (Cloud Integration)		0	95%	[Critical] 133 metrics in status: 'Critical': 0, 'Warning': 7, 'Okay': 124	
<b>MyBtpCloudFoundry_01</b> MyBtpCloudFoundry_01 (MyBtpCloudFoundry_01)	SAP BTP Cloud Foundry environment		0	99%	[Critical] 155 metrics in status: 'Critical': 0, 'Warning': 2, 'Okay': 153, 'Info': 20	

# Metric Status – Detail View

**SAP Configuration & Security Analysis** 497 Last Refresh : Feb 27, 2025, 5:10:20 PM

**Monitoring** Time Frame: 26/02/2025, 17:10:20 - 27/02/2025, 17:10:20 Scope: SCC, MyBtpCloudFoundry\_01, MyS4HANACloud\_01, MyBtp...

Home / Monitoring / cloudalm (SAP Cloud ALM) /

## IdentityAuthentication01

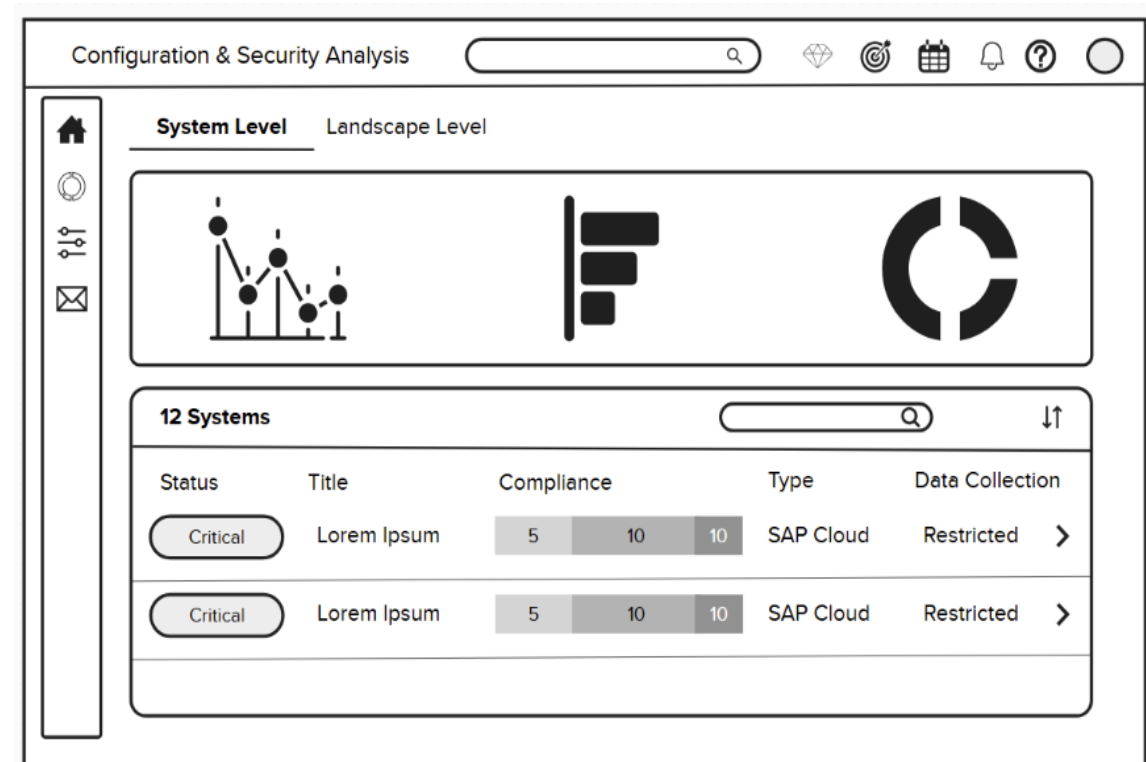
Identity Authentication

Metrics Overview | **All Metrics**

Search to filter metric name, label or text ⌵ ⬆ ⌵ ⬇

Service	Service Type	Check ID	Check Name	Info	Topic	Configuration	Value	Valid from	History
IdentityAuthentication01	Cloud Identity	1.20 001	Password Policy Change	<span style="color: blue;">i</span>	Authentication	password_policy	standard	3/3/25, 7:16 AM	
IdentityAuthentication01	Cloud Identity	1.20 002	Password Policy Parameter Change	<span style="color: blue;">i</span>	Authentication	minimum_password_len	8	3/3/25, 7:16 AM	
myS4HANA01	Bundled App	1.20 007	RBA Default Action Change	<span style="color: blue;">i</span>	Authentication	default_rba_auth_action	allow	3/3/25, 7:16 AM	
IdentityAuthentication01	Cloud Identity	1.20 011	IAS Tenant Administrator Count Change	<span style="color: blue;">i</span>	Authentication		21	3/3/25, 7:16 AM	
myS4HANA	Bundled App	Cert	Certificate expires in 7 days	<span style="color: blue;">i</span>	Operation			3/3/25, 7:16 AM	

## How do you want to work with your Data? – Prepare for thinking out of the box



- ❑ Home Screen – Analysis by System / Landscape – Analysis by Check – Analysis of Data Quality & Processing
- ❑ Alerts – Reporting Pages & Notifications – Ad hoc Analysis
- ❑ Configuration of automated custom-tailored analysis – Configuration of Landscape Representation



# Pre-configured and easily adaptable Validation Rules

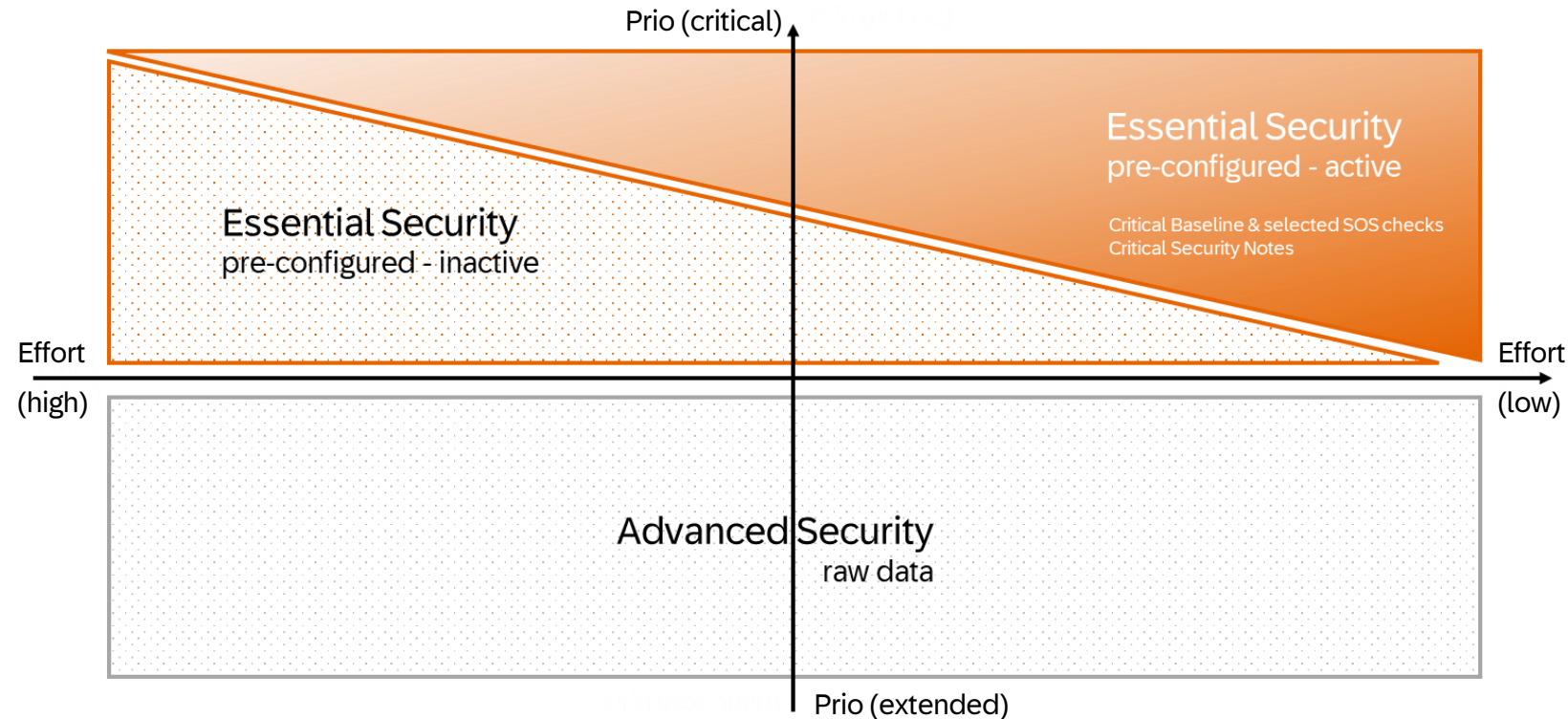
Copy & Adapt from Check Catalog (= 1. Step)  
Versioning of Validation Rules (Option for later)  
Release Management of SAP Recommendations (!?)

2025 likely only examples

# Pre-configured Validation Rules

- A. SAP Security Recommendations  
[SAP Trust Center | Help Portal](#)
- B. SAP Security Baseline Template  
[Support Services Portfolio Page](#)
- C. Recommendations of Cloud Services  
e.g. [System Assistant ?](#)
- D. SAP Security Optimization Service  
[Cloud – on-premise](#)
- E. Selected Example Checks

Know the status of critical security measures – right from the start

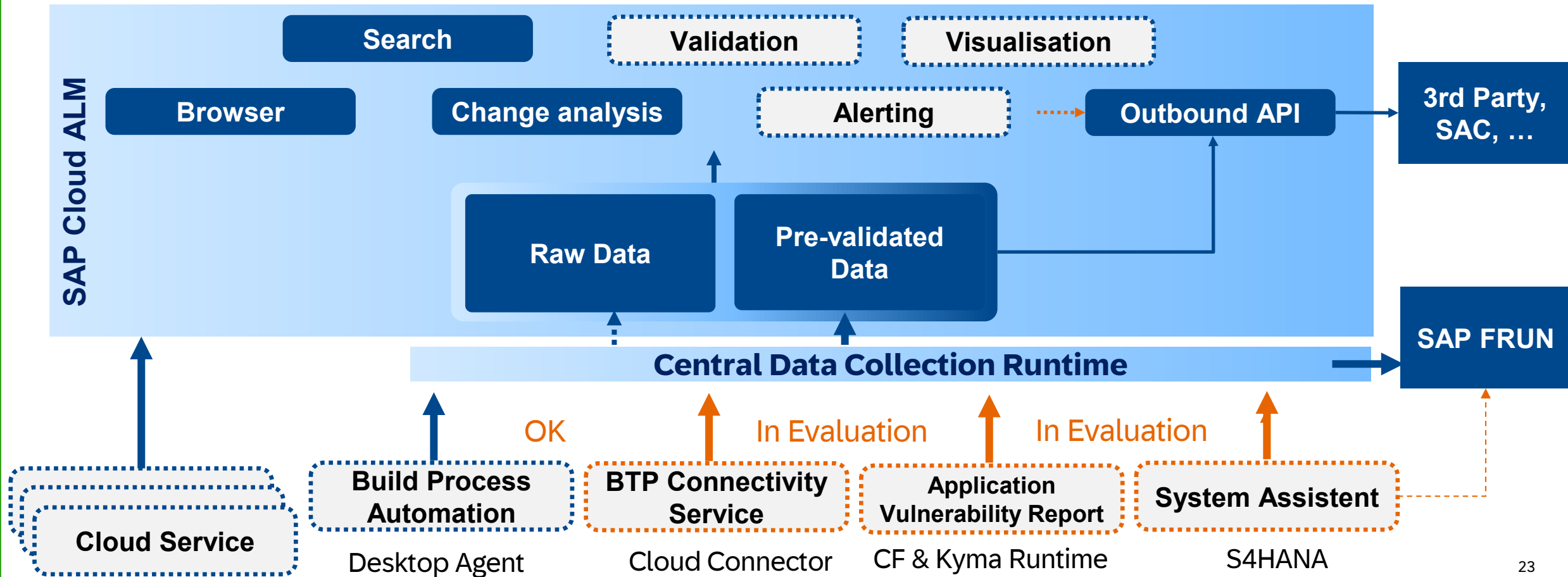


A + B + C + ... ?

## Pre-configured Validation Rules ...

## Proposed Strategy for SAP Notes Analysis @ SAP Cloud ALM

- Cloud Products, send (when feasible) their vulnerability status to SAP Cloud ALM.
- Central Cloud Services (e.g. System Assistant, Application Vulnerability Report, ... send analysis results to SAP Cloud ALM.
- Implementation status of SAP Notes can be validated and reported with standard functionality of SAP Cloud ALM CSA.



# More complete CCDB Data

Add missing Stores for AS ABAP (SEC\_INFO, ...) + HANA DB  
+ critical Authorizations (from SAP SOS Service)

→ **2025 / 2026**

Add more Cloud Services with pre-validated recommendations  
and raw data



No customizable stores. Only standardised stores for all customers  
Count of records per store much more restricted than in FRUN

# Validation

`static > selectable > adaptable > free-style`  
→ 2025 →

Check catalog – Definition of checks (with priority)  
Group Checks in “Policies”  
SQL and SQL Script

Result per System | per Landscape and per Metric

# Simple Configuration of Metrics (like in Health Monitoring)

The screenshot shows the 'Configuration for Services' interface. A modal window titled 'Expiry of Client Certificates' is open, displaying the configuration for a specific metric. The background shows a list of other metrics like 'ABAP', 'Average', 'Current', etc.

**Configuration for Services**

**Expiry of Client Certificates**

**Metric Details**

- Name: Expiry of Client Certificates
- Type: performance
- Technical Name: abap\_system\_client\_cert\_expiry\_d
- Labels: Certificate, Description

**Description**

Expiry of client certificates in days. With this metric, you can monitor whether any client certificates expire that you have uploaded to SAP BTP for the communication with systems or services outside the ABAP system, for example, BTP services. Make sure that your client certificates are valid, so that communication doesn't break off. If the client certificate expires within 7 days, it's rated as red. If it expires within 30 days, it's rated yellow.

**Threshold Settings**

Threshold Type: Numeric  Default SAP Threshold

Field	Condition	Warning	Critical	Unit
Value	Above Below	- 30.00 + ⚠️	- 7.00 + ❌	days

Buttons: Save, Cancel

Close



# Simple Configuration of Events (like in Health Monitoring)

The screenshot displays the 'Configuration for Services' interface. A modal window titled 'Expiring Client Certificates' is open, showing the 'Event Configuration' section. This section includes several toggleable options and data tables:

- Create Alert:** Toggled OFF.
- Send Email To:** Toggled OFF.
- Recipient Table:** A table with columns 'Recipient', 'Last Modified', and 'Validity'. It currently shows 'No data' and has a '+' icon to add entries.
- Start Operation Flow:** Toggled OFF.
- Name/ID Table:** A table with columns 'Name/ID', 'Last Modified', and 'Type'. It currently shows 'No data' and has a '+' icon to add entries.
- Create Ticket:** Toggled OFF.
- Subscription Name:** A text input field with a '+' icon to add entries.
- Send Chat Notification:** Toggled OFF.
- Subscription Name:** A text input field with a '+' icon to add entries.

At the bottom right of the modal, there are 'Save' and 'Cancel' buttons. The background interface shows a list of services with a search bar and navigation icons.

# Alerts

Store Changes > Custom Validations

▶ 2025

Apply common SAP Cloud ALM Features for Alert processing  
APIs (Ticket creation, Alert closing)  
flexible Aggregation !?

## Alerts and Notifications

**SAP Configuration & Security Analysis** 452 Last Refresh : Feb 27, 2025, 3:34:11 PM

**Alerting** Scope: my302642.scmibp1.ondemand.com, QM7715, CloudIntegr... Order By: Current Rating, Last Updated

**Alerts (10)** Confirm Processor Show Logs

Alert Name and Message	Managed Components	Object Details	Worst Rating	Last Updated	Status	Managed Component Status	Processor
<b>Expired Certificates</b> -884.0 days	QM7715		<span style="color: red;">✖</span>	Feb 27, 2025 03:41:52 PM	Open	<span style="color: green;">✔</span>	

**Action Log**

**Alert: Health Monitoring: Data collection failed**

Action Time	Action By	Action Performed	Value	Comment
		Alert Created		

[Close](#)

# Alerts – Current realization in SAP Focused Run

**Define Alert**

Alert ID\*  
CHANGE\_OPTIONS

Alert Description\*  
GLOBAL Change Options changed

Alert Source  
Store content Change

Select a Config Store.\*  
Select a Config Store..  
GLOBAL/S00009

Aggregation Level  
System

Type of Scope  
All

Frequency  
Daily

Severity  
8

Active

Save Cancel

**Alert Name**

**Alert Description**

**Configstore Name, Policy or Check**

**Aggregation-Level!?**

**Scope**

**Frequenz = Daily**

**Severity**

**Store Changes > Validation**

Alert Details

### ALERT\_SAP\_ALL\_USER - Policy: SAP\_SAP\_ALL - System

AppServer 00 of FA7 on lsdifa7 (Instance of type sap\_bocapplicationserver)

Created: 3 days ago, Feb 05, 2025, 06:35:01 AM  
Last Updated: 10 hours ago, Feb 08, 2025, 05:45:54 AM

Priority: High  
Status: Open  
Severity: 5  
Processor:

Worst Rating: ✘  
Current Rating: ✘  
Network: ROT.TMO-01  
Customer: T-Mobile Business

Classification: None  
Categorization: None  
Last Created Incident ID:  
Latest Incident Status:

Additional Alert Keys:

Additional Information: [ALERT\\_SAP\\_ALL\\_USER - Policy: SAP\\_SAP\\_ALL - System - System: FATTMO-ABAP](#)

Current Work mode: No Workmode Scheduled

Rating Metrics (1) Guided Procedures Documentation Incidents

**METRICS (1)**

From: Feb 05, 2025 06:35:01 AM To: Feb 08, 2025 05:45:54 AM

Metric Name	First	Worst	Last	Min	Max	Last Value	Last Text
ALERT_SAP_ALL_USER - Policy: SAP_SAP_ALL - System	<span style="color: red;">✘</span>	<span style="color: red;">✘</span>	<span style="color: red;">✘</span>	576	576	576	# Non compliant items

**GUIDED PROCEDURES**

Guided Procedure Name	Processing Status	Last Changed By	Last Changed On	Result Report
No Guided Procedures assigned				

**DOCUMENTATION**

Alert on SAP\_ALL users on SystemNon compliant items found: 576 - Compliant items found: 6 - All items found: 582 - System: FATTMO-ABAP.

**CSA Validation**

The Configuration & Security Analytics validation does check configuration items related to definition of a policy.

**Alert Description**

A red alert indicates that there is a least one item that does not fulfill the rule defined in the policy.

**Error Analysis**

For checking which items do not fulfill the rule follow this link to the CSA validation:  
[Configuration & Security Analysis - Validation](#)

**INCIDENTS**

**Generic Alert Layout**

## **4. Summary and Q & A**

## Product Vision

*Every SAP Cloud customer can easily create and maintain a consistent baseline of the essential cybersecurity measures in their responsibility right after onboarding to SAP Cloud ALM with lowest implementation effort.*

*Relevant configurations and runtime data are collected with harmonized semantics into SAP Cloud ALM as the central SAP operation platform and get externally exposed via API.*

*FRUN Customers shall get all Data from SAP Cloud ALM CSA latest with next feasible Feature Pack.*



## Configuration & Security Analysis – Summary / Outlook

Time Frame  
Scope [Configure](#) Build-in Support & Help

The screenshot shows the SAP Configuration & Security Analysis interface. The top navigation bar includes the SAP logo and the title 'Configuration & Security Analysis'. Below the navigation bar, there are tabs for 'Overview' and 'Favorites'. The 'Favorites' tab is active, showing a list of five items. A blue arrow points from the left sidebar towards the main content area.

re-newed Home

later Analysis

new Metrics

new Alerts

Browse

Changes

Search

Admin

Realisation (Plan)

Available (UX t)

2025

2026

- As-is / To-be Comparison of basically static Data (“Configurations”) – not necessarily just for Security (but Security as initial Default Analysis Scope).
- Preconfigured Validations (as Metric) based on SAP Recommendations
  - Active by Default: Critical Security Measures
  - Select | de-select | adapt Checks. Create custom-tailored Checks.
  - Checks with Priority: CRITICAL | WARNING | INFO. Grouping of Checks in Policies.
  - Services can be exempted from Checks (Attribut-based).
- Data and Validation Results shall be easily used for essential tasks and Automation
  - Alerts/Tickets, Notifications, Reporting Mails, Dashboards, Ad-hoc Analysis
- Favourites support user-spezifc work
- SAP-managed Connectivity for all Cloud Services
- Build from UX perspective and for PoC – then for transition away from SAP Solution Manager

# Customer Involvement – Summary / Outlook *Shape the Future of SAP Cloud ALM Configuration and Security Analysis*



<https://influence.sap.com/sap/ino/#campaign/3864>

# Thank you.

Contact Information:

Dr. Hendrik Mueller

[hendrik.mueller@sap.com](mailto:hendrik.mueller@sap.com)