Business Process and Integration Monitoringwith SAP Cloud ALM for Operation

Markus Bechler, Simon Blattmann, Thomas Merta, Nico Schilling Customer Experience & Solution, SAP Product Engineering, SAP SE 2021 H1 Learn to Win

INTERNAL





Disclaimer

The information in this presentation is confidential and proprietary to SAP and may not be disclosed without the permission of SAP. Except for your obligation to protect confidential information, this presentation is not subject to your license agreement or any other service or subscription agreement with SAP. SAP has no obligation to pursue any course of business outlined in this presentation or any related document, or to develop or release any functionality mentioned therein.

This presentation, or any related document and SAP's strategy and possible future developments, products and or platforms directions and functionality are all subject to change and may be changed by SAP at any time for any reason without notice. The information in this presentation is not a commitment, promise or legal obligation to deliver any material, code or functionality. This presentation is provided without a warranty of any kind, either express or implied, including but not limited to, the implied warranties of merchantability, fitness for a particular purpose, or non-infringement. This presentation is for informational purposes and may not be incorporated into a contract. SAP assumes no responsibility for errors or omissions in this presentation, except if such damages were caused by SAP's intentional or gross negligence.

All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of their dates, and they should not be relied upon in making purchasing decisions.

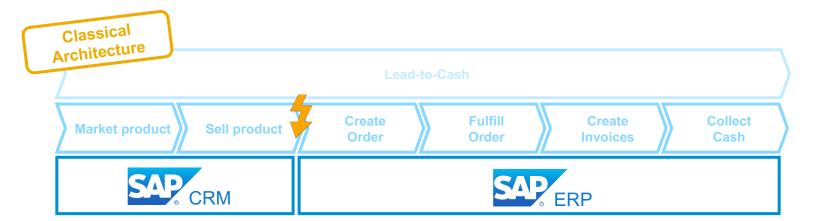
Agenda

SAP Cloud ALM for operations

Integration Monitoring

Business Process Monitoring

Why do we need a central operation platform for cloud centric landscapes?



Intelligent Suite Architecture **Fulfill** Create Create Collect Market product Sell product Order **Order Invoices** Cash **SAP Customer** SAP S/4HANA SAP S/4HANA SAP S/4HANA SAP S/4HANA SAP Commerce Data Cloud Cloud **SAP Commerce** SAP Sales SAP Revenue **SAP Service** SAP Marketing SAP Revenue Cloud Cloud Cloud Cloud

Global T&T

Cloud

SAP Commerce

Cloud

With SAP's Intelligent Suite traditional SAP landscapes are transforming:

- Transform from a monolithic to a multisystem & multi-service landscape
- Increased complexity to find and analyze issues on business process, integration, user, and application/cloud service/system level
- Increased demands for end-to-end monitoring of business processes, integration, and users

Requested is transparency:

- To find and analyze anomalies and exceptions during business process execution → Business Process Monitoring
- To correct message flows and integration related exceptions → Integration Monitoring
- To diagnose performance of user scenarios → Synthetic & Real User Monitoring
- To understand healthiness of applications, cloud services, and systems → Application Monitoring & Health Monitoring

© 2021 SAP SE or an SAP affiliate company, All rights reserved. | INTERNAL

SAP Revenue

Cloud

SAP Cloud Platform

Cloud

Different strategic operations platforms for different target groups

SAP Solution Manager



- Fully integrated ALM suite for on-prem-centric medium and larger customers
- Customers, who are satisfied with the currently provided functional scope

SAP Focused Run



- Operations platform for service providers and high end hybrid customers
- Customers with advanced needs, which go beyond SAP Solution Manager and SAP Cloud ALM

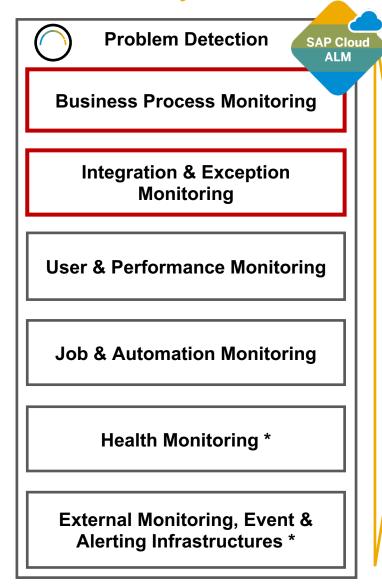
SAP Cloud ALM



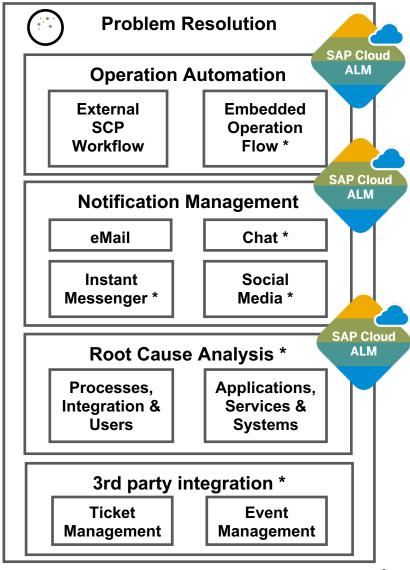
- Fully integrated ALM suite for cloud-centric small, medium and larger customers
- Customers, who are requesting standardized cloud based operation platform

Problem Management covered by SAP Cloud ALM

Detect, analyze and resolve problems based on full stack monitoring







Agenda

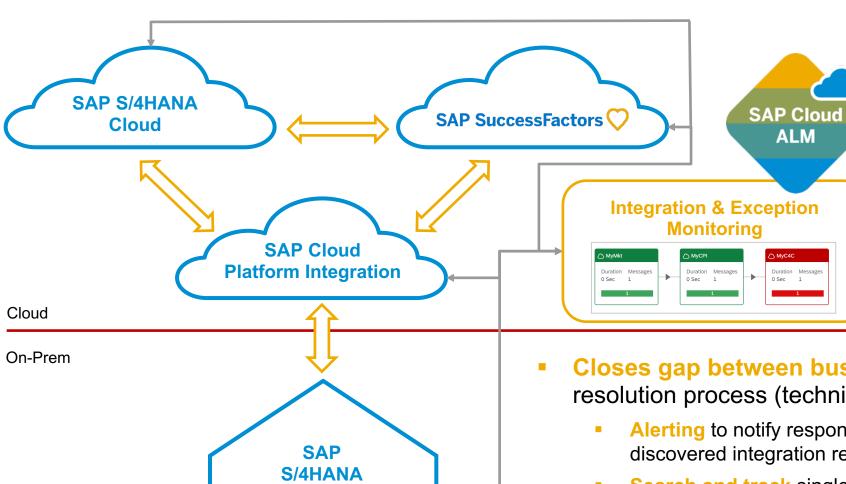
SAP Cloud ALM for operations

Integration Monitoring

Business Process Monitoring

Integration & Exception Monitoring

Ensures reliable data exchange between cloud services and on-prem systems

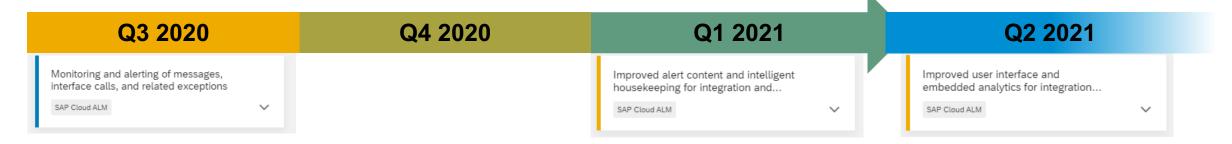


On-Prem

- End-to-End monitoring by correlating single messages to end-to-end message flows across cloud services and systems
- Monitoring of integration related exceptions
- Support of peer-to-peer interfaces as well as orchestrated integration
- Closes gap between business and IT during problem resolution process (technical issue vs. business issue) by:
 - Alerting to notify responsible persons in business and IT about discovered integration related problems
 - Search and track single messages based on exposed business context attributes e.g. order numbers
 - Operation automation to trigger operation flows context sensitively for automated correction of problems

SAP Cloud ALM for Operations – Functional Roadmap

Integration & Exception Monitoring

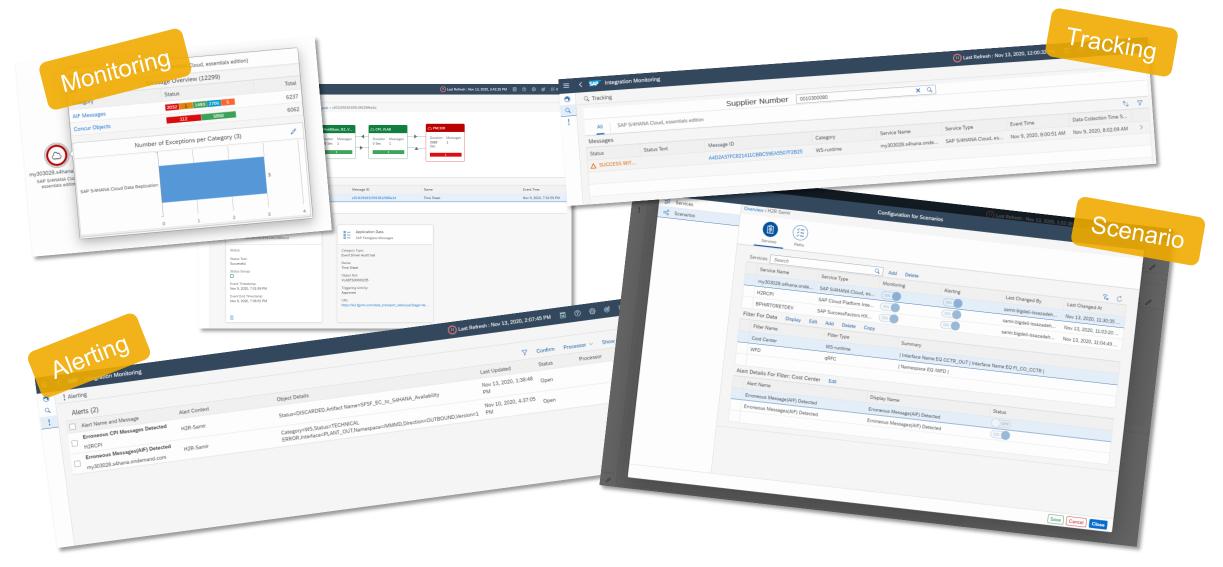


Supported Content —					
Currently available		Planned until end of Q2 2021			
Integration & Exception Monitoring	SAP S4HANA Public Cloud Edition SAP S4HANA Private Cloud Edition SAP S4HANA & SAP Business Suite* SAP Marketing Cloud & SAP Sales & Service Cloud SAP Integration Suite (Cloud Integration) SAP SuccessFactors & SAP Concur & SAP Fieldglass SAP Central Asset Management SAP Business Technology Platform (NEO and CF)	SAP Ariba (Network & Cloud Integration Gateway) SAP SuccessFactors Employee Central Payroll SAP Master Data Integration SAP Integrated Business Planning SAP Field Service Management	SAP Ariba (Guided Buying & Strategic Sourcing) SAP Integration Suite (API Management & Open Connectors) SAP Business Event Bus SAP Analytics Cloud SAP Central Order		

Commonted Content

Hands-On Part 1: Learning experience for Integration Monitoring

How to deal with the several aspects (Monitoring, Tracking, Scenario and Alerting)



How To Log-On to SAP Cloud ALM

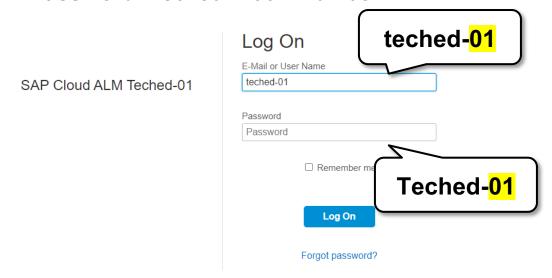
Note down your room number at the top of the breakout room



2. Replace the number in the tenant URL with the room number:

https://teched-calm-01.eu10.alm.cloud.sap/launchpad#Shellhome

- 3. On log on screen type in your user ID and password:
 - User ID: teched-<room number>
 - Password: Teched-<room number>



4. Use "Questions & Answers" room to address your questions and get assistance





© 2020 SAP SE or an SAP affiliate company. All rights reserved. | PUBLIC

Agenda

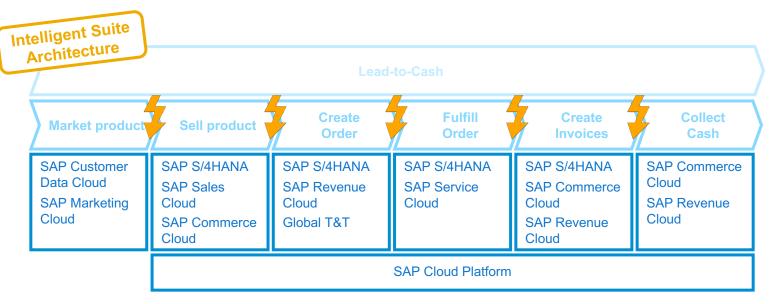
SAP Cloud ALM for operations

Integration Monitoring

Business Process Monitoring

Customer Solution Landscape is transforming





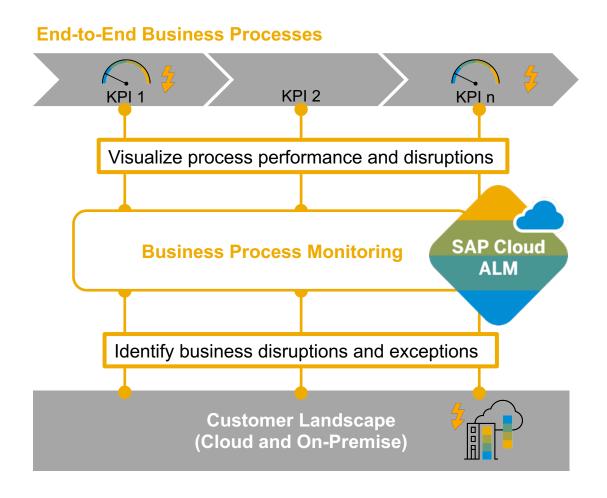
Customer Solution Landscape is subject to transformation:

- Transform from a monolithic to a multisystem & multi-service landscape
- Increase in end-to-end monitoring complexity
- Process variance are covered by system variances

Transparency on the end-to-end business processes of the Intelligent Suite is required:

- Measure the performance of end-to-end business process
- Detect anomalies and exceptions during process execution

Why do we need central Business Process Monitoring?



- Provides transparency on end-to-end business processes within a distributed and hybrid solution landscape
- Ensures smooth business operations without disruptions and increases the business process execution quality and performance
- Monitors processes' health and detect anomalies during process execution
- Alerts users directly on process disruptions and offers automated problem resolution
- Standardizes content with pre-defined process content and key performance indicators (KPIs)

Business Process Monitoring - List of available KPIs

Lead to Cash

- ✓ Sales Document Item Creation to Invoice Creation
- ✓ Sales Documents Created
- ✓ Sales Document Items Created
- ✓ Sales Documents with Delivery Block
- ✓ Sales Documents with Credit Block
- ✓ Sales Orders Open and Overdue for Delivery
- ✓ Open Sales Orders
- ✓ Incomplete Sales Documents
- √ Sales Documents with Billing Block
- ✓ Sales Document Items Overdue for Billing
- ✓ Outbound Deliveries Overdue for Goods Issue
- ✓ Outbound Deliveries Created
- ✓ Deliveries Overdue for Billing
- ✓ Deliveries Overdue for Picking
- √ Throughput of Outbound Goods Movements
- ✓ Sales Invoices Not Posted to Accounting
- ✓ Overdue Open Items in Accounts Receivable (Customer Items)
- ✓ Sales Invoice Line Items Created
- ✓ Sales Invoices Posted
- ✓ Financial Postings
- ✓ Financial Line Items Posted
- ✓ Open Items in General Ledger Accounts (FI-GL)

Source to Pay

- ✓ Purchase Order Items Created
- ✓ Open and Overdue Purchase Requisition Items
- ✓ Purchase Requisition Items Created
- ✓ Purchase Orders Created
- ✓ Open and Overdue Purchase Order Items
- ✓ Blocked Purchase Order Items
- √ Throughput of Inbound Goods Movements
- ✓ Inbound Deliveries Created
- ✓ Inbound Deliveries Overdue for Goods Receipt
- ✓ Supplier Invoice Items Blocked for Payment
- ✓ Supplier Invoices Created
- ✓ Overdue Open Vendor Items in Accounts Payable





- ✓ Production Orders Overdue for Final Confirmation
- ✓ Production Orders Overdue for Delivery Completion
- ✓ Production Orders Overdue for (Technical) Closure
- ✓ Process Orders Overdue for Release
- ✓ Process Orders Overdue for Final Confirmation
- ✓ Process Orders Overdue for Delivery Completion
- √ Process Orders Overdue for (Technical) Closure
- ✓ Production Orders Overdue for Release
- ✓ Planned Orders with Opening Date in the Past
- ✓ Failed Goods Movements During Production Order Confirmation
- ✓ Failed Goods Movements During Process Order Confirmation
- ✓ Process Orders Created
- ✓ Production Orders Created
- ✓ Plant Maintenance Orders or Customer Service Orders Created



SAP Business Suite
SAP S/4HANA, private cloud
edition

See all available KPIs online.

Business Process Monitoring - Available KPIs for SAP SuccessFactors

Recruit to Retire

- ✓ Job Requisitions Created
- ✓ Job Requisitions with Applications
- Job Requisitions Without Applications
- ✓ Job Requisitions Closed
- ✓ Job Requisition to Hiring (Time to Hire)
- Candidates Created
- Job Applications Created
- ✓ Job Applications in Status "Applied"
- ✓ Job Applications in Status "Not Applied"
- Contracts Created
- ✓ Contracts Created to Employee Start Date

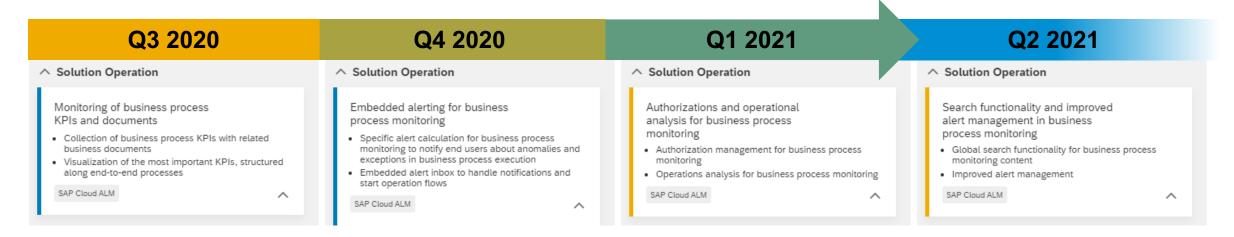
Planned for Q1/2021:

- ✓ Job Offers Created
- ✓ Job Offers Pending
- ✓ Job Letters Created
- ✓ Job Letters Pending
- ✓ Send Date of Offer Letter to Candidate Response



SAP Cloud ALM for Operations – Functional Roadmap

Business Process Monitoring

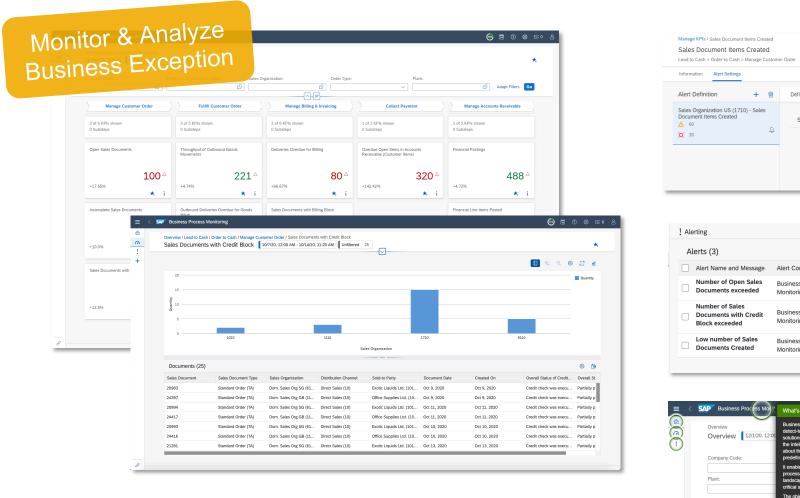


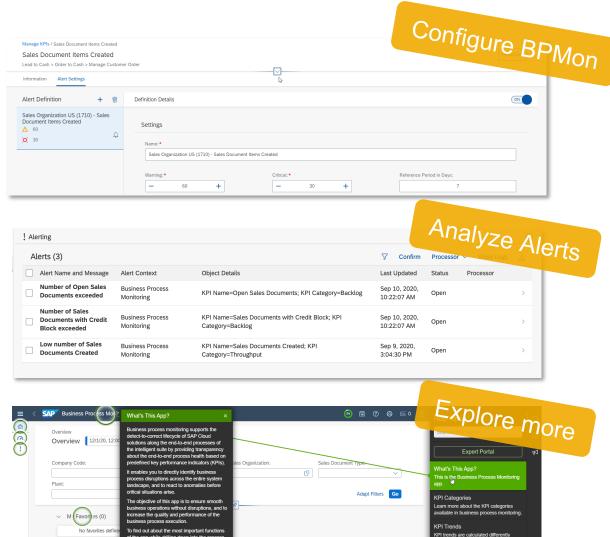
Supported Content

Currently available		Planned unti	Planned until end of Q2 2021	
Business Process Monitoring	SAP S4HANA Public Cloud Edition SAP S4HANA Private Cloud Edition* SAP S4HANA & SAP Business Suite* SAP SuccessFactors (1st wave)	SAP SuccessFactors (2nd wave) SAP Marketing Cloud	Further KPI's for all editions of SAP S4HANA and SAP Business Suite	

Hands-On Part 2: Learning experience for Business Process Monitoring

How to deal with the several aspects (Monitoring, Analytics, Alerting and Configuration)









© 2020 SAP SE or an SAP affiliate company. All rights reserved. | PUBLIC

Additional information



SAP Web sites

- SAP Support Portal
- SAP Expert Portal
- SAP Roadmap viewer for SAP Cloud ALM
- Business Process Monitoring Demo in SAP demo store

Thank you.

Dr. Nico SchillingHead of Product Management
ALM Run
SAP Product Engineering

E <u>nico.schilling@sap.com</u>

Markus Bechler

Product Manager Integration Monitoring SAP Product Engineering

E <u>markus.bechler@sap.com</u>

Simon Blattmann

Product Manager Business Process Monitoring SAP Product Engineering

E <u>simon.blattmann@sap.com</u>

Thomas Merta

Go-To-Market Lead NA ALM RUN SAP Product Engineering

E thomas.merta@sap.com

Please rate this session











And take the Learn to Win Survey to help us improve.



