IIS265

Business Process and Integration Monitoring with SAP Cloud ALM for Operation

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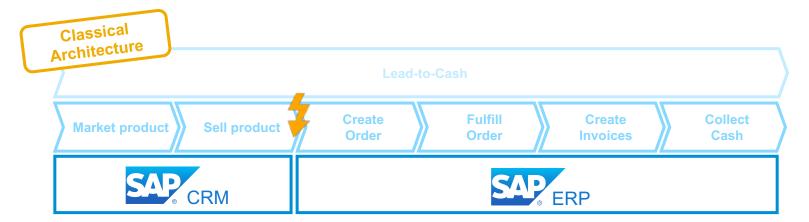
Agenda

SAP Cloud ALM for operations

Integration Monitoring

Business Process Monitoring

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

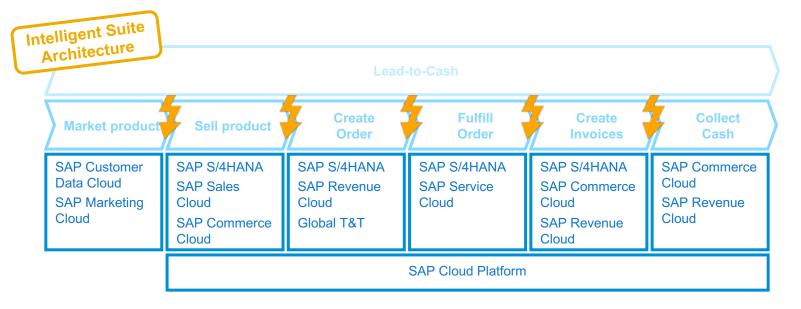


With SAP's Intelligent Suite traditional SAP landscapes are transforming:

- 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



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



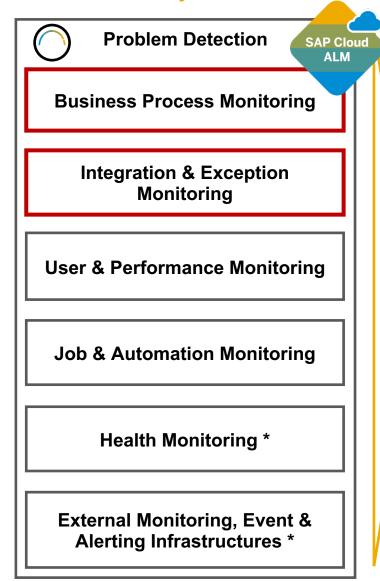
Fully integrated ALM suite for cloud-centric small, medium and larger customers

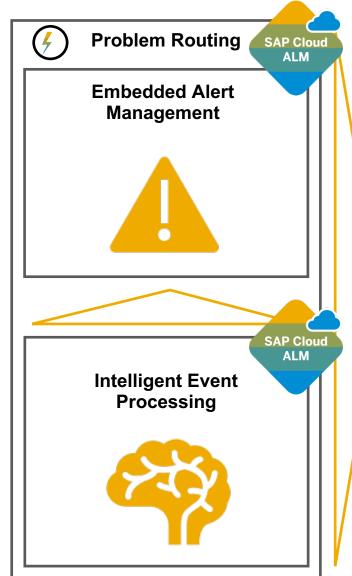
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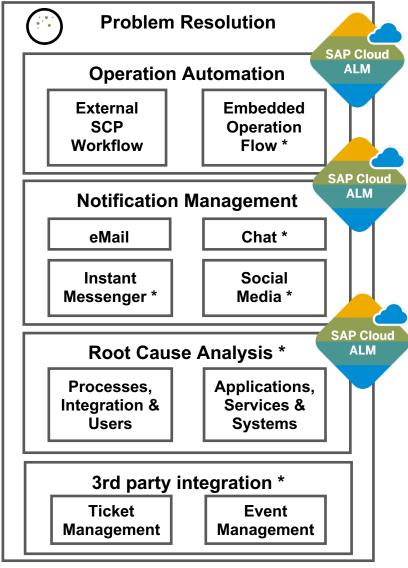
 Customers, who are requesting standardized cloud based operation platform

Problem Management covered by SAP Cloud ALM

Detect, analyze and resolve problems based on full stack monitoring







Agenda

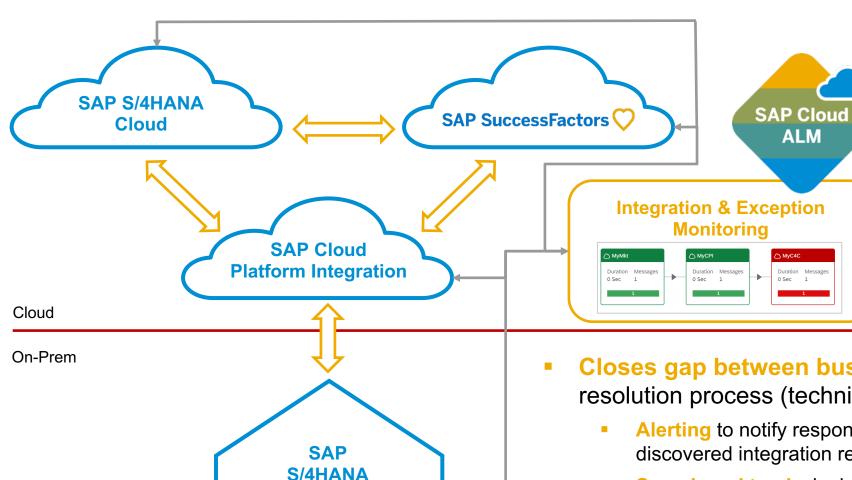
SAP Cloud ALM for operations

Integration Monitoring

Business Process Monitoring

Integration & Exception Monitoring

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



On-Prem

- 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

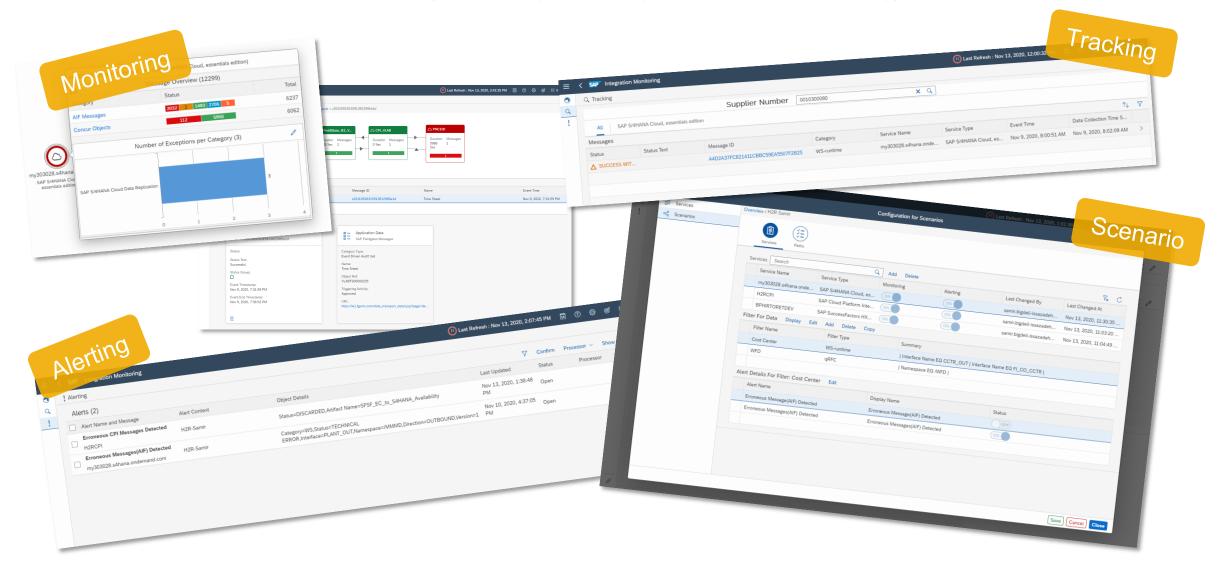
Integration & Exception Monitoring – Roadmap

May 2020	August 2020	Q4 2020*	Q1 2021*
 Capabilities Monitoring of Message Flows and Exceptions, Tracking of Business Documents, and Embedded Alerting 	CapabilitiesPush support for Exception Monitoring		Capabilities Intelligent Housekeeping Embedded Analytics
Content – Integration Monitoring SAP S/4HANA Cloud, es SAP Cloud for Customer SAP CPI Content – Exception Monitoring SAP S/4HANA Cloud DRF + Asset Central SAP CPI Deployment Failures SAP Cloud Platform (Neo)	 Content – Integration Monitoring SAP Marketing Cloud SAP Concur (Add-On S/4HANA Cloud, es) SAP SuccessFactors EC (Bank Master, Legal Entity) 	 Content – Integration Monitoring SAP Fieldglass SAP SuccessFactors EC (Cost Center, Worker) SAP SuccessFactors EC Payroll SAP S/4HANA On-Premise SAP Business Suite SAP Ariba CIG SAP Master Data Integration SAP Asset Central Foundation 	 Content – Integration Monitoring SAP S/4HANA Cloud, ex SAP Ariba Network SAP Central Order SAP Field Service Management Content – Exception Monitoring SAP Marketing Cloud SAP Integrated Business Planning
Java Application Log Errors Alert Notifications SAP Cloud Platform (CF) Alert Notifications SAP SuccessFactors Execution Manager (Integration, Scheduled Jobs)		 Content – Exception Monitoring Extensibility Transport Management (for S/4 HANA Cloud Essentials, S/4 HANA One Cloud, SAP Marketing Cloud, IBP) 	 SAP Cloud Platform (CF) Application Log Errors

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

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

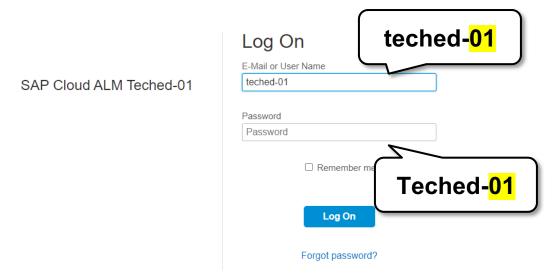
Note down your room number at the top of the breakout room



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





Agenda

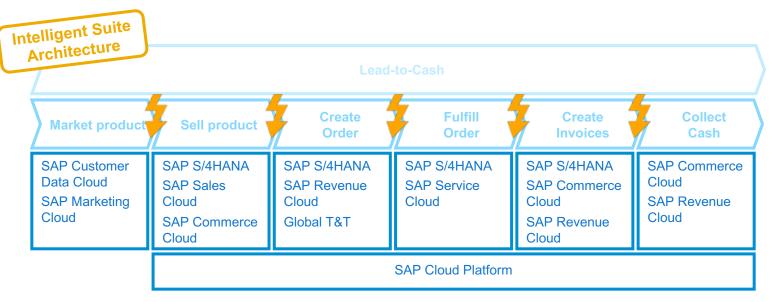
SAP Cloud ALM for operations

Integration Monitoring

Business Process Monitoring

Customer Solution Landscape is transforming





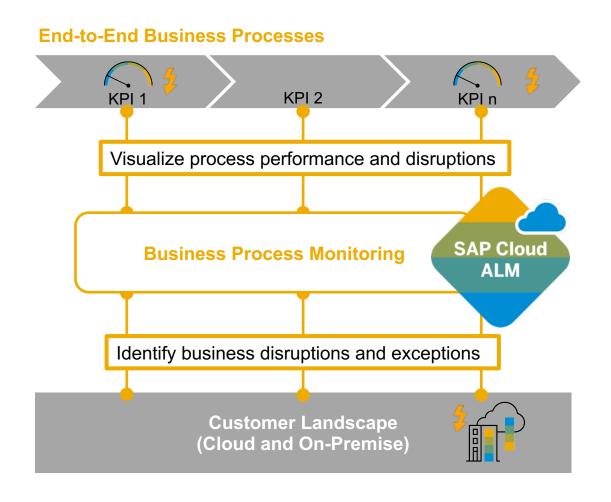
Customer Solution Landscape is subject to transformation:

- 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
- ✓ Payment Runs per Day
- ✓ Overdue Open Vendor Items in Accounts Payable

SAP S/4HANA





Design to Operate

- ✓ 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

See all available KPIs online.

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Business Process Monitoring - List of KPIs for SAP SuccessFactors



- ✓ 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
- ✓ Job Offers Created
- ✓ Job Offers Expired
- ✓ Job Offers Expiring in the Coming Days
- ✓ Job Offer Creation to Job Offer Expiration



See all available KPIs online.

SAP Cloud ALM for Operations - Roadmap

Business Process Monitoring

May 2020	Aug 2020	Q4 2020	Q1 2021	
Release to customer – Early Adopter Care	General Availability	New: Support of SAP SuccessFactors	New: Support of SAP S/4HANA Cloud, Extended	
 Capabilities Monitoring of Intelligent Suite end-to-end processes using predefined KPIs Drill-down on single business documents 	 Capabilities KPI configuration to activate and deactivate KPIs 	 Trend information on KPI level* Enhanced KPI configuration to define alerts* Embedded alerting with alert details* Embedded analytics for root-cause analysis* Filter across all KPI attributes 	 Capabilities Define authorizations to restrict access Search across app for KPIs and business documents across the app Interactive charts on KPI cards Embedded Operation Automation 	Trend prediction with predictive alerts Intelligent actions & recommend- dations Support of further SAP Cloud solutions
	Suppor	ted Content ————		
SAP S/4HANA Cloud, essentials		SAP S/4HANA on-premise**	SAP S/4HANA Cloud Exten	dod

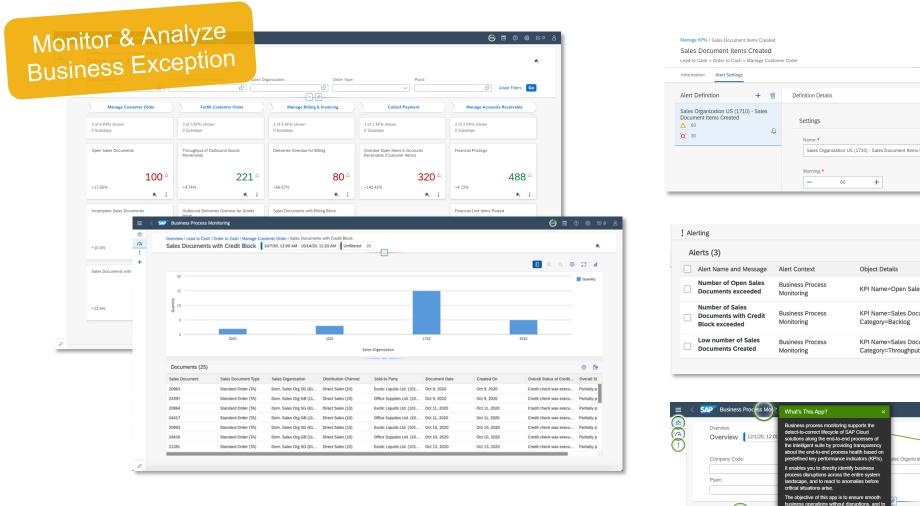
SAP S/4HANA Cloud, essentials

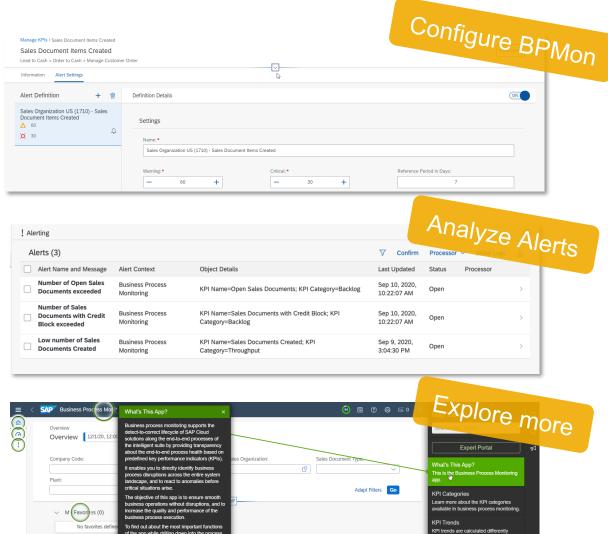
- SAP S/4HANA on-premise*
- SAP Business Suite**
- SAP SuccessFactors including Recruit-to-Retire process
- SAP S/4HANA Cloud, Extended
- Further SAP S/4HANA KPIs
- Further SAP SuccessFactors KPIs

^{*}Feature is already available. See also What's New.

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

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









More information



Related SAP TechEd sessions

- IIS121 Operation of Cloud-Centric Landscapes with SAP Cloud ALM for Operations
- IIS127 Operation of Hybrid Landscapes with SAP Focused Run

Public SAP Web sites

SAP Support Portal: https://support.sap.com/en/alm/sap-cloud-alm.html

SAP Expert Portal: https://support.sap.com/en/alm/sap-cloud-alm/operations/expert-portal.html

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