Application Lifecycle Management
Partner Call – Q2 / 2021

CXS Customer Communications and Relations, SAP SE
16th of June 2021

PUBLIC

THE BEST RUN **SAP**

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Welcome ALM Partners

"We want to strengthen our collaboration and network with our ALM Partner community, even in times when remote working dominates all of us."

Agenda, 16th of June 2021

- Welcome & Announcements

- ALM Run Roadmaps &

  Insight talk (Q&A) with Chief Product Owner

- SAP Cloud ALM memory extension

- Git-enabled Change and Transport System

- Polls

- Session end (app. 3.45 pm)

Please use the Q&A tool in Zoom to ask your questions also during the presentation!

Speakers & Background Experts

David Birkenbach (Moderator)
ALM Go-to-Market EMEA/MEE

Janko Budzisch
Chief Product Owner – ALM for operations

Patrick Schmidt
Chief Support Engineer

Sharath Shasheendran
ALM Go-to-Market APJ

Benjamin Schneider
ALM Solution Expert

Ask your questions here!

Please ask your questions!

Use the Q&A panel in the Zoom webinar to ask your questions

or

while the insight talk, if you want to speak, use the "Raise Hand" function in Zoom, so you will get unmuted.

David Birkenbach (Moderator)
ALM Go-to-Market EMEA

Welcome & Announcements

Welcome ALM Partners

ALM Partner Community

Build (SI)
- Use SAP Cloud ALM to deliver projects
- Create implementation content based on your partner industry knowledge and best practices
- Integrate SAP Cloud ALM in your delivery infrastructure as needed

Run (AMS)
- Use SAP Cloud ALM and SAP Focused Run to deliver customer operations
- Create operation content based on your operation expertise
- Integrate SAP Cloud ALM and SAP Focused Run in your delivery infrastructure as needed

ALM professional services
- Integrate SAP Cloud ALM in the customer tool landscape
  - *Teams, Jira, Now, Test tools, Custom pipeline, Workflow, …*
- Extend SAP Cloud ALM, productize and go to market on SAP App Center

Feedback to questions and votings in last meeting

- Focus to EMEA/MEE but open globally
- Topics in ALM Partner Community
  - openSAP Efficient DevOps with SAP
  - SAP Solution Manager & Signavio

Partner Hub

- Promote your own references on SAP Portal

Important dates

ALM Summit EMEA 2021

Applications until 31st of July !

We are looking for Partners who,

- **want to present an innovative solution or extension of the ALM tools at our 1st ALMathon**

- want to present a joint customer / partner story in one of the streams at ALM Summit, about their experience with SAP´s ALM products

If you are interested to present your story at ALM Summit EMEA   OR

If you are interested to participate at the first ALMathon in ALM Summit EMEA

→ please send asap an unformal Email to David.Birkenbach@sap.com or use QR code now. We will reach out to you for further steps.

And don´t forget to block your calendar and register for ALM Summit EMEA from 19th to 22nd of October. Event registration starts in July!

Partners, Register Now: Application Lifecycle Management in RISE with SAP

SAP PartnerEdge

SAP

Event Notification

Application Lifecycle Management in RISE with SAP

Wednesday,
June 23, 2021
9:00 AM - 10:30 AM
((UTC+01:00)
Amsterdam, Berlin,
Bern, Rome,
Stockholm, Vienna)

Wednesday,
June 23, 2021
4:00 PM - 5:30 PM
((UTC+01:00)
Amsterdam, Berlin,
Bern, Rome,
Stockholm, Vienna)

# Our next Partner Community Call

Please block your calendar or register here.

https://webinars.sap.com/alm-partner-community/en/home

The next Partner Community Call is planned to take place on

8th of September, 2 pm CEST

Topics in backlog for Q3 call

- APIs in SAP Cloud ALM

- ALM recommendations for customer´s landscapes

- tbd

SAP Cloud ALM Analytics	SAP Cloud ALM Projects	SAP Cloud ALM Tasks	SAP Cloud ALM Test Automation
The SAP Cloud ALM Analytics API is used to unify access to all analytics data produced by SAP Cloud ALM.	Allows to get or create projects in project management.	Allows to get, create, modify or delete tasks in task management.	Allows cloud based test automation providers to integrate with SAP Cloud ALM.
Version Beta REST API	Version 1.0.0 REST API	Version 1.0.0 REST API	Version 1.0.8 REST API

Accelerate Cloud Implementations with SAP Cloud ALM
openSAP – Tue 15th June 2021   https://open.sap.com/courses/calm2

OPEN FOR REGISTRATION

Learn how to Accelerate Cloud Implementations with SAP #CloudALM by registering with the latest #openSAP course

REGISTER – ENGAGE – ASSIGNMENTS – EXERCISE/PLAY - ACHIEVE

Product Owners and guest speakers lift the lid and you can explore with them the functionalities of #CloudALM

You will learn about the task-centric implementation approach used in SAP Cloud ALM while also exploring some key features.

Duration: 4+1 weeks   **Effort required:** 3-4 hours per week

Week 1: SAP Cloud ALM Project Delivery

Week 2: Tasks and Business Processes

Week 3: Requirements and Testing

Week 4: Additional Capabilities and Outlook

Week 5: Exam

(Demo system available each week to support learning experience)

Speakers: SAP Cloud ALM Product Owners; SAP Guest Speakers

openSAP
open.sap.com

SAP ALM Summit APJ 2021

Mark your calendar and join the SAP ALM Summit 2021 for APJ region on July 27- 30. Its virtual and free, starting at 12:30 PM Singapore Standard Time. It's a 4 day event with 4 hours every day.

Look forward to in-depth knowledge sharing by experts on the following Application Lifecycle Management (ALM) Solutions
• SAP Cloud ALM
• SAP Solution Manager
• SAP Focused Run

Learn, network and meet the experts!

Register here.

APJ
July 27-30
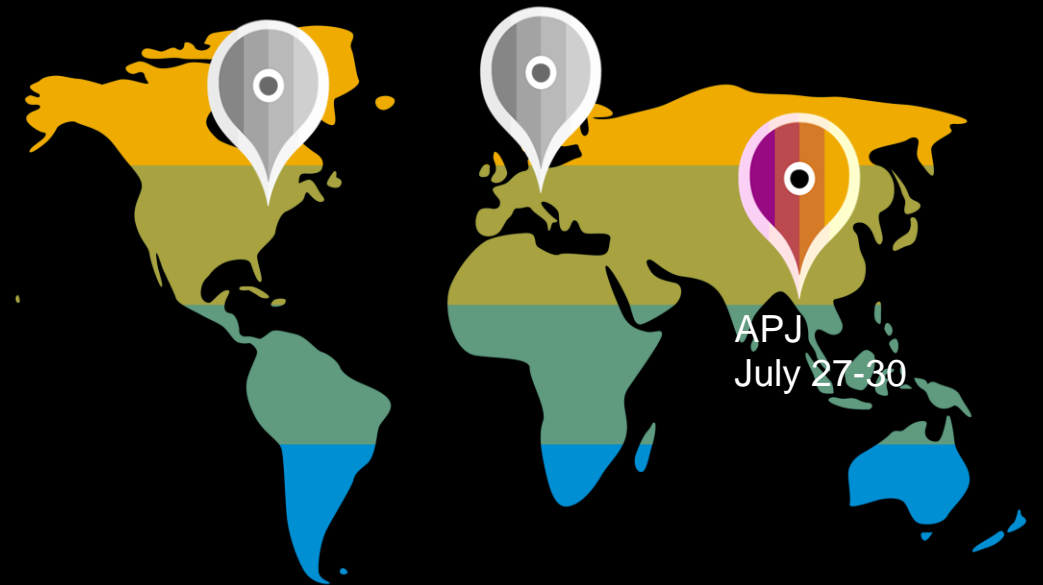
General ALM Community News

Please also register for the ALM Community with monthly calls and typically one Focus topic.

https://webinars.sap.com/alm-community-call/en/home

The next ALM Community Call will take place on 23rd of June, 4 pm CEST

- Join us to celebrate one year of virtual ALM knowledge transfer, learn about ALM hot topics and get your questions answered! -

Follow our Community Tags to stay up to date!
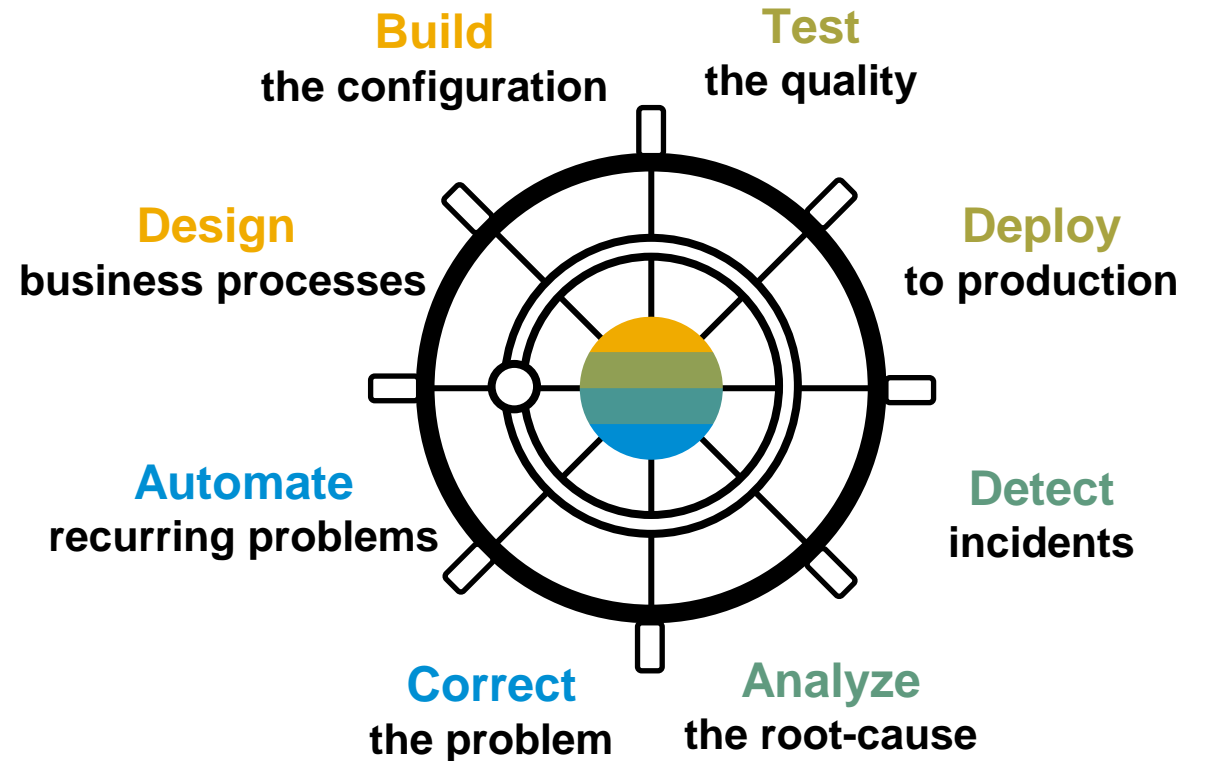
SAP Cloud ALM

SAP Solution Manager

SAP Focused Run

Celebrating the 1st birthday of SAP Cloud ALM!

Manage the lifecycle of the SAP Cloud portfolio

SAP Cloud ALM assists the **implementation** and **operations** of cloud solutions from SAP

- **Accelerate** time-to-value

- **Safeguard** business continuity

- **Reduce** cost of ownership

Build
the configuration

Test
the quality

Design
business processes

Deploy
to production

Automate
recurring problems

Detect
incidents

Correct
the problem

Analyze
the root-cause

SAP Cloud ALM – Included with your subscription!

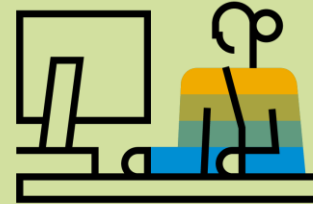# Celebrating the 1st birthday of SAP Cloud ALM!

How to get started

Familiarize Yourself

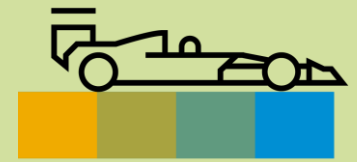Browse presentations, watch recorded demos, and access the public demo system via the SAP Cloud ALM home page.

Request SAP Cloud ALM

Your SAP Support Launchpad admins are automatically authorized to request SAP Cloud ALM.

Set up Your Tenant

Your SAP Cloud ALM tenant is usually available within 15min

Just do a few set-up steps.

Onboard the Team

Invite SAP Cloud ALM Users.

Janko Budzisch
CPO – ALM for operations

ALM for operations Roadmap & insight talk

Operations of hybrid and cloud centric landscapes
with SAP Cloud ALM and SAP Focused Run

Janko Budzisch, SAP
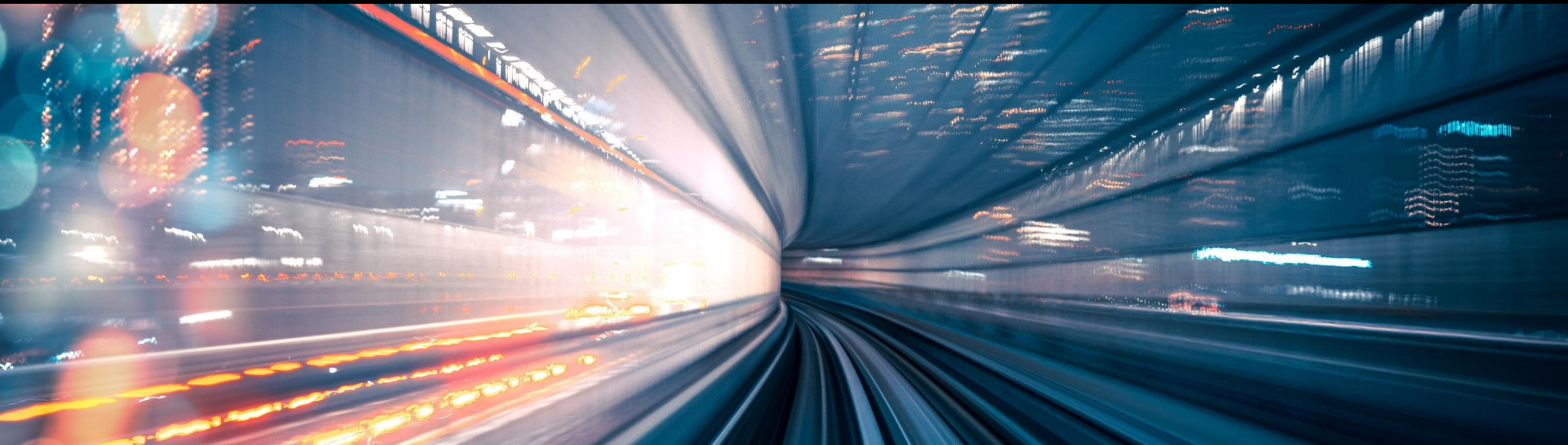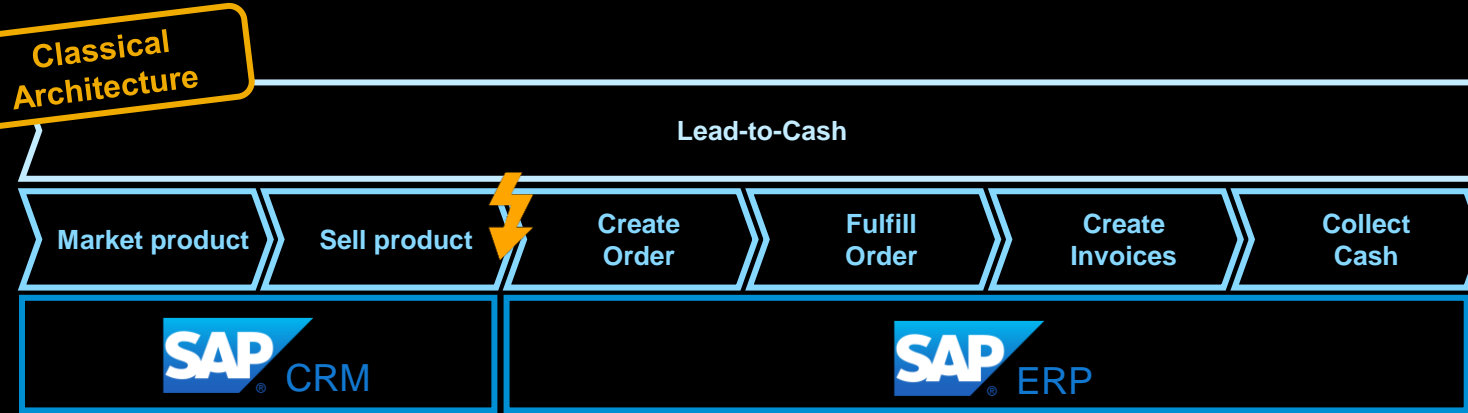June 2021

THE BEST RUN SAP

Agenda

Big Picture

SAP Cloud ALM for Operations

SAP Focused Run

Big Picture

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

Classical Architecture

Lead-to-Cash

| Market product | Sell product | Create Order | Fulfill Order | Create Invoices | Collect Cash |

SAP CRM

SAP ERP

Intelligent Suite Architecture

Lead-to-Cash

| Market product	Sell product	Create Order	Fulfill Order	Create Invoices	Collect Cash
SAP Customer Data Cloud SAP Marketing Cloud	SAP S/4HANA SAP Sales Cloud SAP Commerce Cloud	SAP S/4HANA SAP Revenue Cloud Global T&T	SAP S/4HANA SAP Service Cloud	SAP S/4HANA SAP Commerce Cloud SAP Revenue Cloud	SAP Commerce Cloud SAP Revenue Cloud

SAP Business Technology Platform

Challenges:

- Transformation from a **monolithic to a multi-service landscape**

- **Increased complexity to find and analyze issues** in a distributed environment

- Increased needs to **consider business processes end-to-end**

Answers:

- To find and analyze anomalies during business process execution ➔ **Business Process Monitoring**

- To identify and correct message flows and integration related exceptions ➔ **Integration & Exception Monitoring**

- To diagnose performance of user scenarios ➔ **Real User & Performance Monitoring**

- To understand healthiness of applications, cloud services and systems ➔ **Application Monitoring & Health Monitoring**
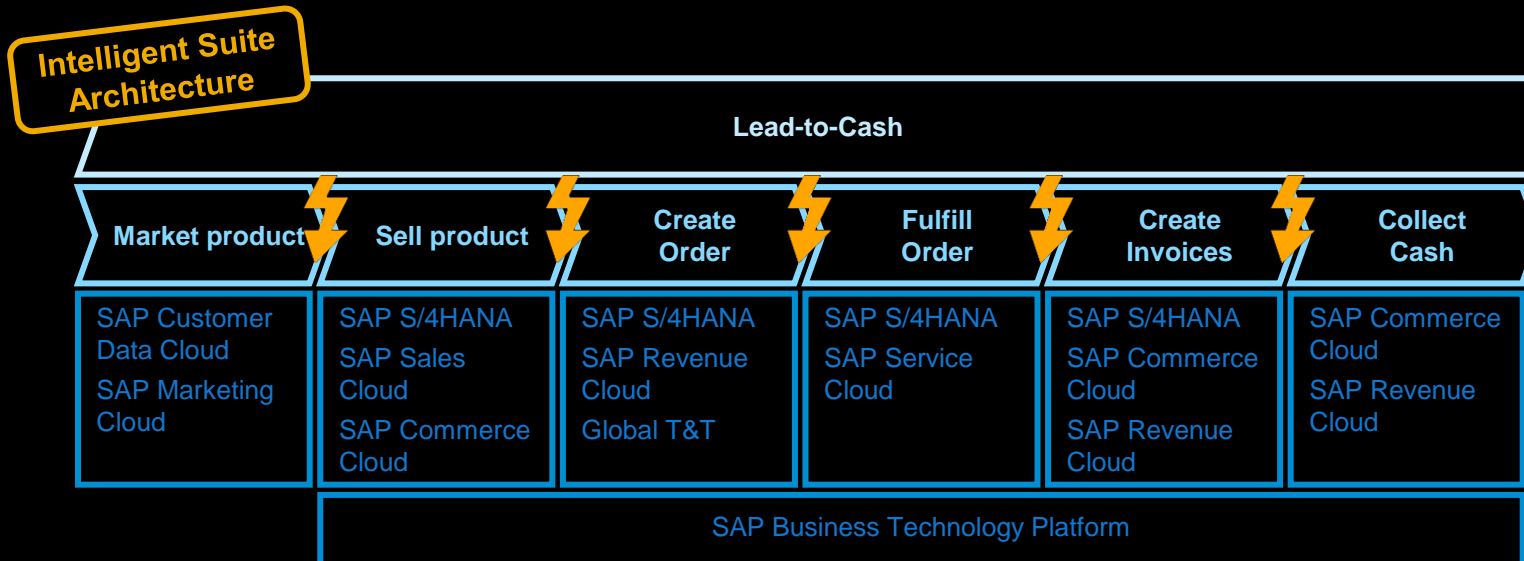
Different strategic operations platforms for different target groups

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**
- Customers, who are requesting **standardized cloud based operation platform**

SAP Cloud ALM for Operations
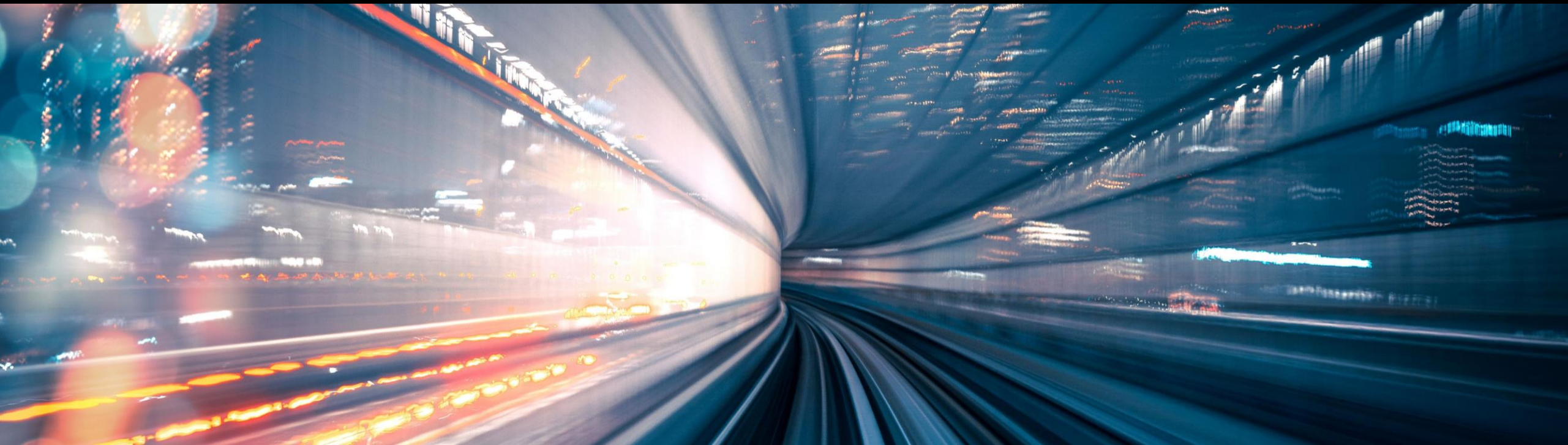
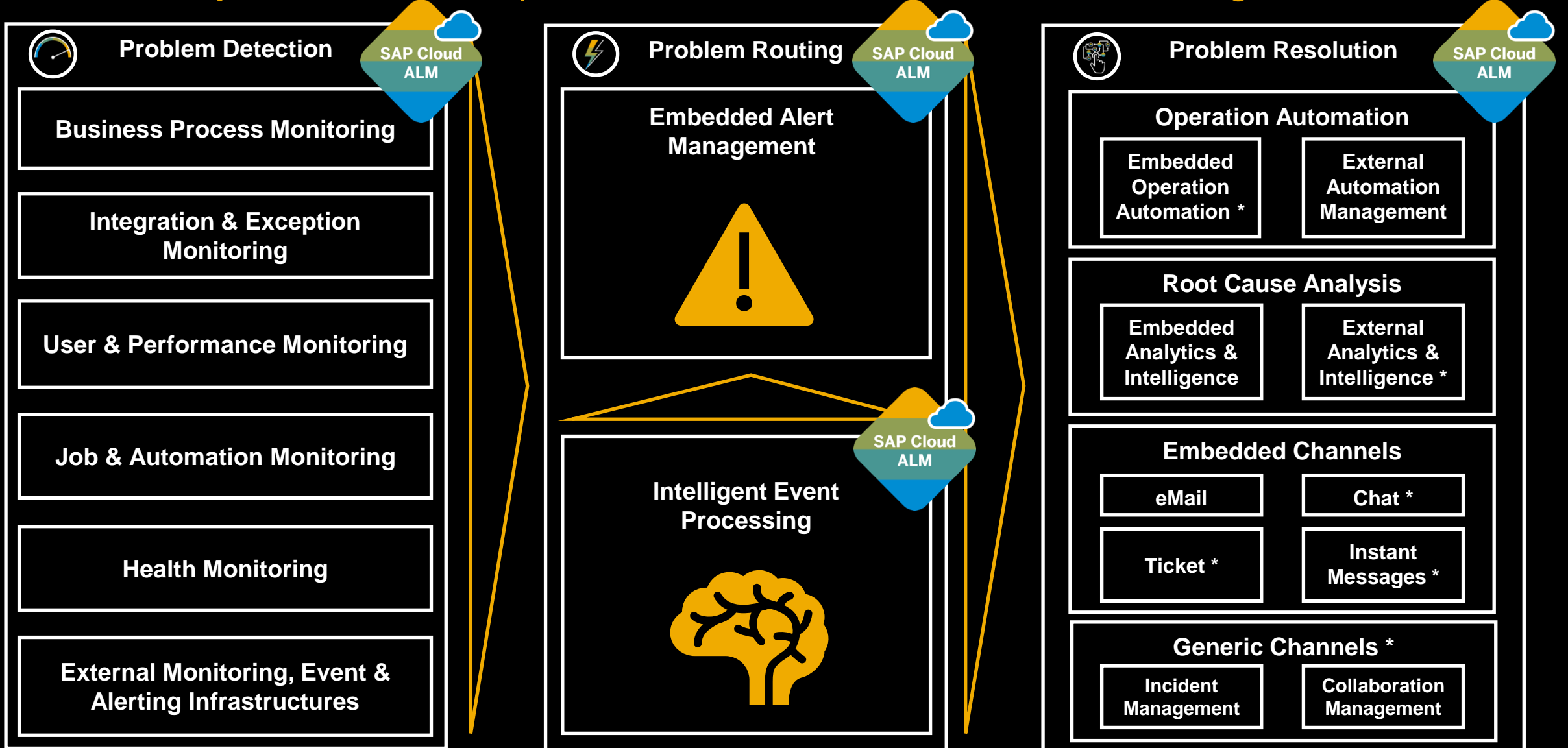# SAP Cloud ALM for Operations – Value Proposition

Ensure business continuity in SAP centric landscape by monitoring and alerting - Increase operation efficiency by automating operational tasks - Avoid anomalies by proactive problem prediction

- SAP Cloud ALM empowers customers to **understand healthiness of SAP business solutions**:
  - Provides **full stack monitoring and alerting** covering business processes, integration, users, applications, and healthiness of cloud services and systems
  - Allows to conduct **root cause analysis** on different levels
  - Acts as **collaboration platform between LOB and IT**
- SAP Cloud ALM enables customer to increase operation efficiency by **automating corrective actions as well as regular operation tasks**
- SAP Cloud ALM helps to **predict anomalies in business process and application operation** by event correlation and learning out of the collected data (AIOPs)
- SAP Cloud ALM provides **transparency regarding availability of business services** including business downtimes, business events and business SLA's
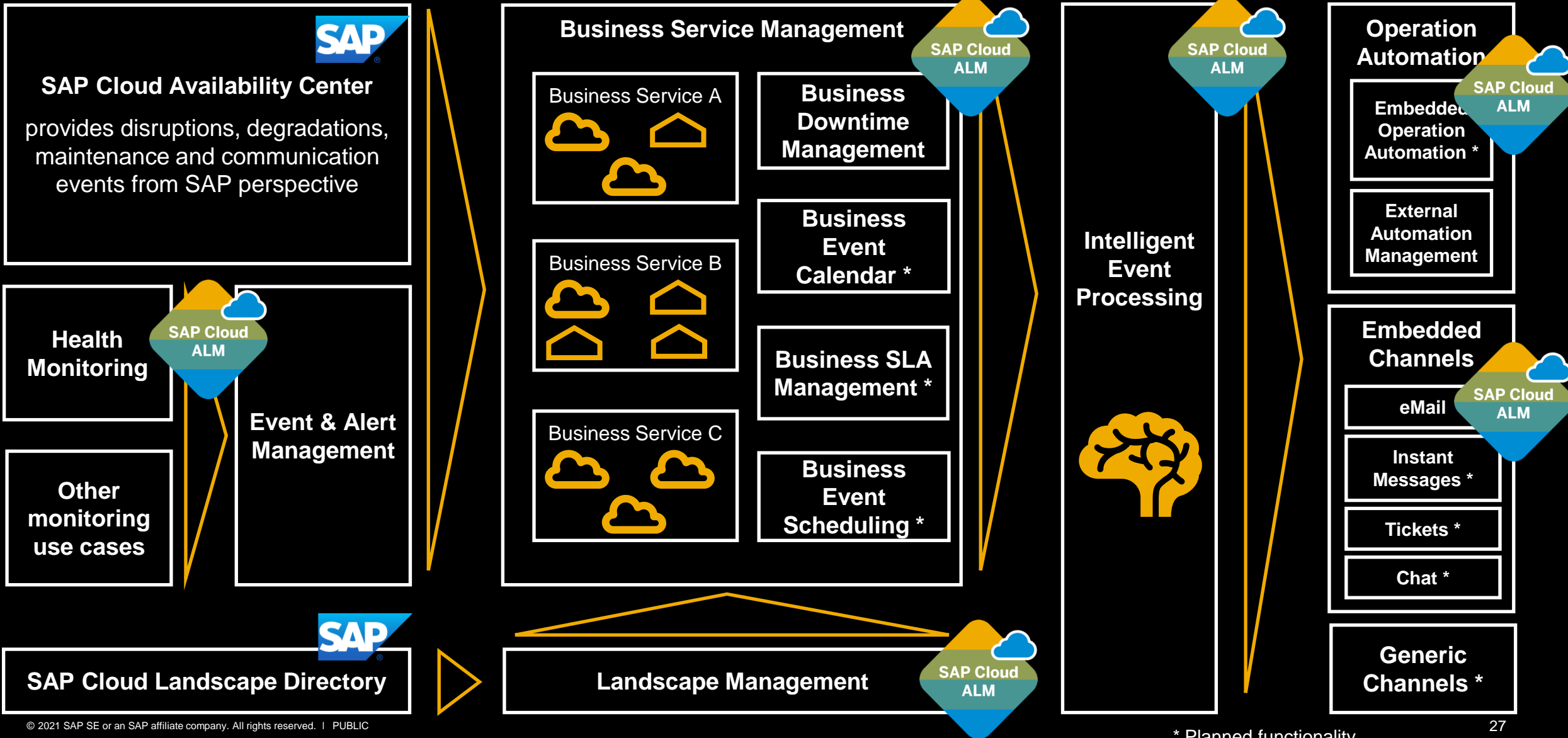
SAP Cloud ALM

Problem Management covered by SAP Cloud ALM
Detect, analyze and resolve problems based on full stack monitoring

Problem Detection
SAP Cloud ALM

Business Process Monitoring

Integration & Exception Monitoring

User & Performance Monitoring

Job & Automation Monitoring

Health Monitoring

External Monitoring, Event & Alerting Infrastructures

Problem Routing
SAP Cloud ALM

Embedded Alert Management

Intelligent Event Processing

SAP Cloud ALM

Problem Resolution
SAP Cloud ALM

Operation Automation

Embedded Operation Automation *	External Automation Management

Root Cause Analysis

Embedded Analytics & Intelligence	External Analytics & Intelligence *

Embedded Channels

eMail	Chat *
Ticket *	Instant Messages *

Generic Channels *

Incident Management	Collaboration Management

* Planned functionality

Business Service & Event Management covered by SAP Cloud ALM
Manage down times, SLA's and events from business perspective

SAP Cloud Availability Center

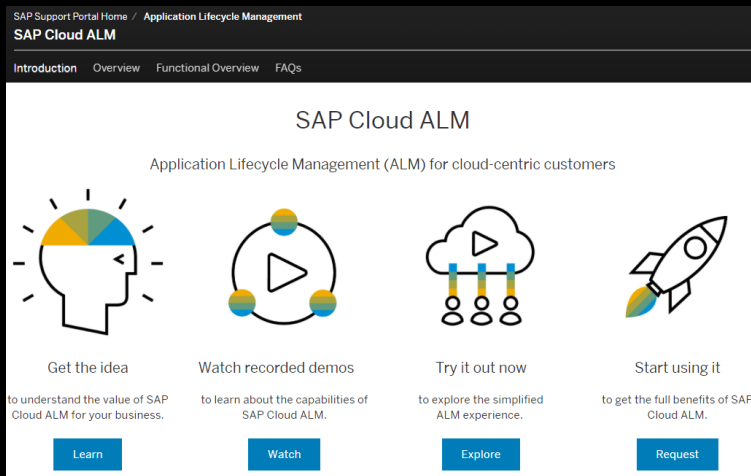provides disruptions, degradations, maintenance and communication events from SAP perspective

Health Monitoring

Other monitoring use cases

Event & Alert Management

SAP Cloud Landscape Directory

Business Service Management

Business Service A

Business Service B

Business Service C

Business Downtime Management

Business Event Calendar *

Business SLA Management *

Business Event Scheduling *

Landscape Management

Intelligent Event Processing

Operation Automation

Embedded Operation Automation *

External Automation Management

Embedded Channels

eMail

Instant Messages *

Tickets *

Chat *

Generic Channels *

* Planned functionality

SAP Cloud ALM for Operations – Content roadmap

	Currently available		Planned until end of 2021	
Business Process Monitoring	SAP S/4HANA Cloud SAP S/4HANA Cloud, Priv. Edition SAP S/4HANA	SAP Business Suite SAP SuccessFactors	SAP SuccessFactors (further KPI's)	Further KPI's for all editions of SAP S/4HANA and SAP Business Suite
Integration & Exception Monitoring	SAP S/4HANA Cloud SAP S/4HANA Cloud, Priv. Edition SAP S/4HANA SAP Business Suite SAP Marketing Cloud SAP Sales & Service Cloud SAP Integration Suite (Cloud Integration)	SAP SuccessFactors SAP Ariba (Network, Cloud Integration Gateway, Guided Buying & Strategic Sourcing) SAP Concur & SAP Fieldglass SAP Central Asset Management SAP BTP (NEO and CF) SAP Field Service Management	SAP SuccessFactors Employee Central Payroll SAP SuccessFactors (Data Replication monitoring) SAP Integrated Business Planning SAP Master Data Integration SAP S/4HANA (Gateway monitoring)	SAP Integration Suite (Open Connectors) SAP Event Mesh SAP Analytics Cloud SAP Central Order SAP Business ByDesign SAP Logistics Business Network
User & Performance Monitoring	SAP S/4HANA Cloud SAP S/4HANA Cloud, Priv. Edition SAP S/4HANA	SAP Business Suite SAP Marketing Cloud	SAP Integrated Business Planning SAP SuccessFactors Employee Central Payroll	SAP Sales & Service Cloud SAP Analytics Cloud SAP BTP (ABAP, NEO and CF)
Job & Automation Monitoring	SAP S/4HANA Cloud SAP S/4HANA Cloud, Priv. Edition SAP S/4HANA SAP Business Suite	SAP Marketing Cloud SAP Intelligent Robotic Process Automation	SAP Integrated Business Planning SAP BTP Workflow Management	SAP SuccessFactors Employee Central Payroll
Health Monitoring	SAP Cloud ALM		SAP Integration Suite (Cloud Integration) SAP Intelligent Robotic Process Automation	SAP S/4HANA Cloud, Priv. Edition SAP S/4HANA SAP Business Suite SAP BTP (ABAP)

SAP Cloud ALM for Operations – Functional roadmap

| Q1 2021	Q2 2021	Q3 2021	Q4 2021
Authorizations and operational analysis for business process… SAP Cloud ALM ⌄	Additional analysis views in real user monitoring SAP Cloud ALM ⌄	Ability to define and run simple operation flows based on embedd… SAP Cloud ALM ⌄	Additional features for the user interface for health monitoring SAP Cloud ALM ⌄
Automating operations tasks by using SAP Intelligent Robotic… SAP Cloud ALM ⌄	Additional features for event management in business service… SAP Cloud ALM ⌄	Ability to increase the automation level in landscape management SAP Cloud ALM ⌄	Establishment of data aggregation and intelligent housekeeping in re… SAP Cloud ALM ⌄
Embedded analytics for real-user monitoring SAP Cloud ALM ⌄	Additional user interface features for job and automation monitoring SAP Cloud ALM ⌄	Built-in integration of ServiceNow IT Service Management in intelligent… SAP Cloud ALM ⌄	Generic, third-party outbound integration in intelligent event… SAP Cloud ALM ⌄
Improved alert content and intelligent housekeeping for… SAP Cloud ALM ⌄	Automating operations tasks based on embedded operation flows SAP Cloud ALM ⌄	Embedded analytics for job and automation monitoring SAP Cloud ALM ⌄	Intelligent event handling for integration and exception monitoring SAP Cloud ALM ⌄
Integration of status information for managed cloud services from SAP… SAP Cloud ALM ⌄	Data collection quality for integration and exception monitoring SAP Cloud ALM ⌄	Global search and detailed authorization management in… SAP Cloud ALM ⌄	More-efficient user interface in business service management SAP Cloud ALM ⌄
Integration of the alert notification service in intelligent event… SAP Cloud ALM ⌄	Embedded alerting for health monitoring and support for on-… SAP Cloud ALM ⌄	Management of service level agreements in business service… SAP Cloud ALM ⌄	New alerting strategies in job and automation monitoring SAP Cloud ALM ⌄

SAP Roadmap for SAP Cloud ALM

SAP Cloud ALM for Operations – Onboarding & Usage

Step 1: Try it out and onboard yourself

Step 2: Setup technical pre-requisites and connectivity

Step 3: Configure and use the applications

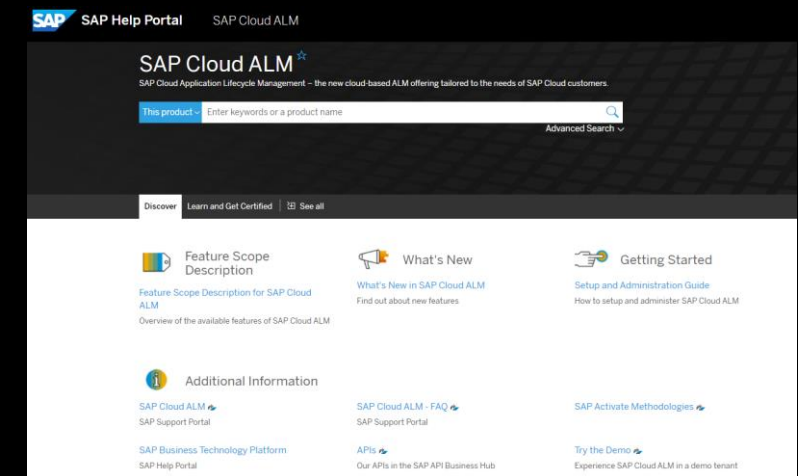
All information related to demo environments and onboarding can be found at the SAP Cloud ALM Home Page and SAP Help Portal
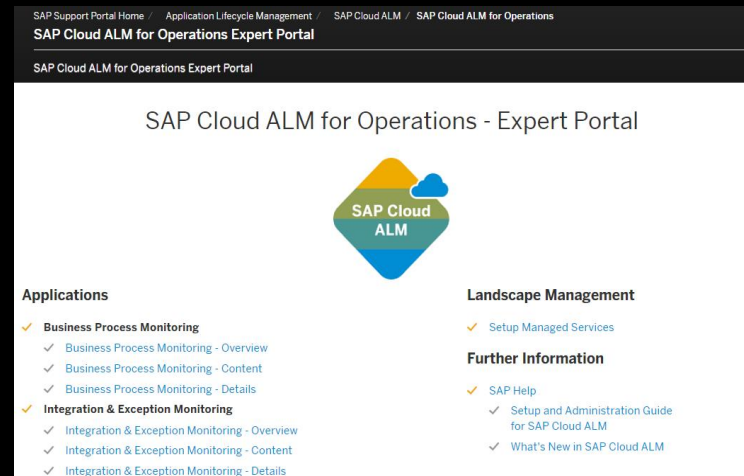
All information related to the technical setup can be found at the SAP Cloud ALM for Operation Expert Portal

All information related to application configuration and usage can be found in built-in SAP Web Assistant, SAP Cloud ALM for Operation Expert Portal and SAP Help Portal

Thank you.

Contact information:

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Stefan Lahr
Chief Solution Owner
SAP Product Engineering
stefan.lahr@sap.com

SAP Cloud ALM Mailing list
cloudalm@sap.com

Additional information:

SAP Cloud ALM for Operations Home Page:
https://support.sap.com/en/alm/sap-cloud-alm/operations.html

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

SAP Cloud ALM Online Help:
https://help.sap.com/viewer/product/CloudALM/2021-04-07/en-US?task=discover_task

SAP Focused Run
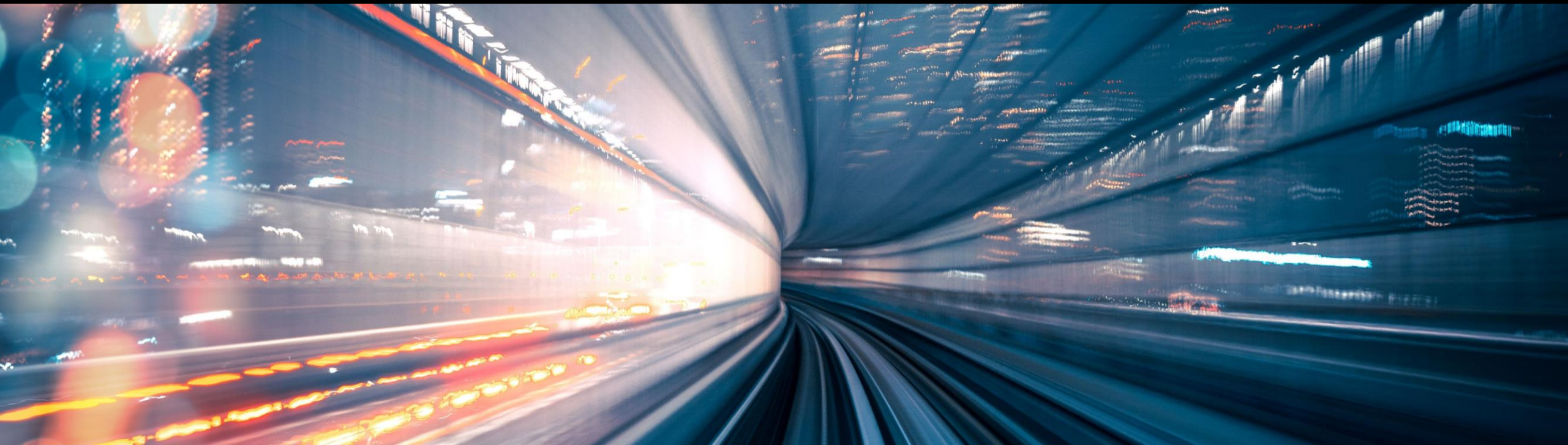
SAP Focused Run – Value Proposition

Ensure healthiness of hybrid SAP landscape by monitoring and alerting - Increase operation efficiency by automating operational tasks - Enable root-cause analysis on deep technical level

- Is a **powerful solution for customers & partners** to operate their solution **centralized and highly automated with minimal TCO impact**

- **Addresses advanced customer needs** in scalability, data volumes, security, automation, openness, dashboarding & artificial intelligence

- Uses **power of SAP HANA as a platform**, including replication, partitioning, predictive analytics, and compression

- **Offers machine learning and automated correlation** based on the collected monitoring & alerting data (AIOPs)

- Provides feature rich and powerful **functionality dedicated to application operations of IT solutions**

- Is a licensed SAP product which **requires a perpetual license & maintenance contract**

3.0

SAP Focused Run

SAP Focused Run – Scope in detail

Advanced Integration Monitoring – Focused on correlation of e2e message flows and integration related exceptions

Advanced User Monitoring – Focused on end user performance and utilization based on real as well as synthetic user activities

Advanced Application Management – Focused on application aspects as monitoring of application healthiness and jobs as well as service availability, IT calendar and work mode management

Advanced Configuration Monitoring – Focused on monitoring of configuration & software changes including validation of security policies

Advanced System Management – Focused on monitoring of systems, databases, and hosts as well as EarlyWatch Alert, license management and remote service delivery

IT Infrastructure Monitoring – Focused on monitoring of technical infrastructure components (no own visibility in this layer)

Advanced Alert & Event Management

Calculation of specific alerts based on pre-defined thresholds

Unified alert inbox & alert handling procedures

Correlation of alerts to alert clusters to point more efficient to the root cause of an issue

Advanced Root Cause Analysis

Dedicated RCA capabilities as system analysis, trace analysis and file system browser

Works on real-time raw data as well as aggregated historical data

Formalizes collected analysis knowledge to guided RCA

Operation Automation

Execution of manual or automated actions triggered by alerts to increase resolution efficiency by time reduction

Automation of regular operations tasks to increase operation efficiency and quality

Advanced Analytics & Intelligence

Provides flexible dashboards for data coming from different use cases (cross use case analytics)

Uses AI capabilities to derive intelligent decisions

Standardizes open API's for efficient data transfer

SAP Focused Run – Release Strategy

- **Continuous delivery of new innovations** based on customer feedback

- Keeping functional focus on **application operations for hybrid landscapes**

- **Three year release cycles** with delivery of **two delivery units per year** ➜ **One year overlap** to change to next release

- **Regular technology updates** for ABAP, HANA and SAPUI5 to use latest innovations

RTC	RTC	RTC	RTC	RTC
FRUN 2.0 FP03	FRUN 3.0 SP00	FRUN 3.0 FP01	FRUN 3.0 FP02	FRUN 3.0 FP03
Q2 2020	Q4 2020	Q2 2021	Q4 2021	Q2 2022

SAP Focused Run 2.0
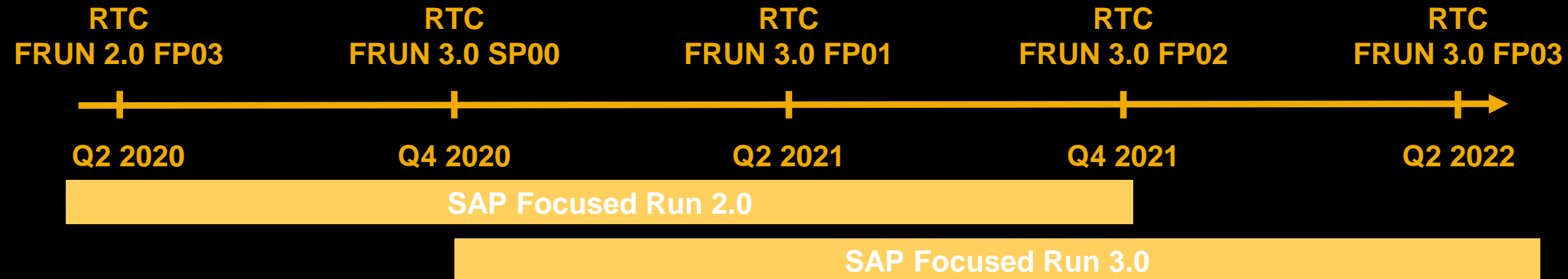
SAP Focused Run 3.0

How to get and implement SAP Focused Run?

SAP Focused Run Positioning Workshop

- As result of the workshop, SAP will provide a project proposal including Hardware sizing, License sizing, and possible consulting package
- Customers & Partners get full transparency regarding the boundary conditions for the SAP Focused Run implementation project

Buy the SAP Focused Run license

The software is sold via SAP Global Price List by SAP Sales Organization. Customer individual discounts can be applied.

SAP Focused Run Project Setup & Architecture Workshop

- Download the appropriate software package from the SAP Support Portal
- As a jumpstart the SAP Focused Run Project Setup & Architecture Workshop should be conducted

More information can be found here:
https://support.sap.com/en/solution-manager/focused-solutions/focused-run.html

SAP Focused Run - Roadmap

FRUN 3.0 FP01	FRUN 3.0 FP02	FRUN 3.0 FP03	FRUN 4.0 ...
Q2 2021	**Q4 2021**	**Q2 2022**	**Q4 2022 ...**

System & Configuration Monitoring
- Improved support for HA/DR solutions in LMDB, CCDB and System Monitoring
- Improved API access to aggregated and non-aggregated system monitoring data
- Trend analysis & improved policy management in Configuration Monitoring

Application Management
- Infrastructure improvements to streamline data collection for Health Monitoring
- More generalized Job Monitoring to support non-ABAP jobs and BW process chains

Alert Management & Operation Automation
- Integrated lessons learnt in alert clustering
- Improved usability in Guided Procedure FWK

Integration & User Monitoring
- Enhanced cloud support and analytics in Integration Monitoring & integrated log file scanning in Exception Monitoring
- Extended cloud support in RUM & integration of externally executed scripts in SUM

Analytics & Intelligence
- New content for OCC and operation DB's
- UI improvements and new prediction models in System Anomaly Prediction

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System & Configuration Monitoring
- Finalize aggregation framework for MAI data including efficient outbound API
- Support of SAP HANA Cloud as managed entity in System Monitoring
- Support of Zero Downtime approach

Application Management
- Extended functionality in Health Monitoring including advanced UI views
- Improvements for Job Monitoring (house keeping, alert configuration, UI features)

Alert Management & Operation Automation
- Extended alert reporting, alert search and alert clustering functionality
- New guided procedure content

Integration & User Monitoring
- New content in Integration Monitoring (Ariba, S4 Cloud, Fieldglass) and in Exception Monitoring
- Extended UI's in Real User Monitoring and integration with Synthetic User Monitoring

Analytics & Intelligence
- Extended content for tactical, OCC and operation dashboards
- Architecture simplification in System Anomaly Prediction

Alert clustering
- Correlate alerts per use case but also cross use case to accelerate the problem resolution process
- Increase support to identify correlation potential and to derive associated correlation roles

Adoption of machine learning
- Usage of machine learning to provide threshold less alerting for Real User and Synthetic User Monitoring

End-to-End Monitoring
- Extend scope for Integration Monitoring e.g. SAP SuccessFactors
- Extend scope for Real User Monitoring e.g. SAP Analytics Cloud

Consuming external data sources
- Simplified consumption of external data sources including UI integration and alert correlation

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Prediction
- Predict anomalies across all monitoring use cases to allow identification of problems before they influence availability of technical and business services

Operation Automation
- Close the gap between problem detection and problem resolution by delivering out-of-the-box and automated problem resolution procedures
- Provide automation content for on-premise and cloud products to relieve operation staff from reoccurring tasks

Content, content, content, ...
- Follow SAP's strategy to cover the complete SAP product scope from operation perspective
- Support in particular all components belonging to Intelligent Suite as target architecture

Thank you.

Contact information:

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SAP Product Engineering
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Stefan Lahr
Chief Solution Owner
SAP Product Engineering
stefan.lahr@sap.com

Additional information:

SAP Focused Run Home Page:
https://support.sap.com/en/solution-manager/focused-solutions/focused-run.html

SAP Focused Run Expert Portal:
https://support.sap.com/en/alm/sap-focused-run/expert-portal.html

THE BEST RUN **SAP**

David Birkenbach
ALM Go-to-Market EMEA

SAP Cloud ALM memory extension

SAP Cloud ALM
Fair use included, Extended use available on SAP Pricelist

SAP Cloud ALM under Enterprise Support covers the standard fair use cases
to implement and operate the Intelligent Enterprise

	Resources	**Functions**

Fair use
Included in SAP Enterprise Support
	▪ Infrastructure paid by SAP
	   ▪ Memory: 8GB included
	▪ Cloud Operations at SAP
	   ▪ Administration & Monitoring
	   ▪ Continuous updates
		▪ Generic functionality that all customers need to manage their solution landscape - SAP and non SAP, e.g. test cases
		▪ Application and technology specific support for SAP, e.g. test automation for SAP

Extended use Available on SAP price list	▪ Additional memory beyond 8GB: 300 € per 4GB / month *	▪ Additional BTP Services e.g. Workflow Management, SAP Cloud Transport Management, etc *

* Via Cloud Platform Enterprise Agreement
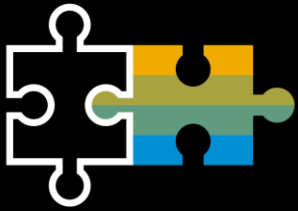
SAP Cloud ALM memory extension service
Extend your memory to build your SAP Cloud ALM enhancements

SAP Cloud ALM
Included in SAP Enterprise Support, cloud editions

SAP Cloud ALM Memory Extension
available as service in Cloud Platform Enterprise Agreement (CPEA)

SAP Cloud ALM

Implementation   **Operation**

SAP Cloud ALM

To be used for extended SAP Cloud ALM data storage
e.g.:
Extended historical data storage, own dashboards, programming own enhancements, etc.

1 Block

SAP Cloud Plattform

Includes a baseline of SAP HANA memory for Standard ALM of your SAP solutions as defined in SAP Cloud ALM usage rights*

Additional 4 GB

SAP HANA Memory

After activation of the service, customers are charged only in the months where they exceed use of the provided baseline memory.

Median memory consumption per month defines the amount of blocks that will be charged automatically from the CPEA contingent.

*Customers/Partners will be actively approached from SAP if their memory usage is beyond the SAP Cloud ALM baseline memory. The activation of the memory extension service is required after SAP has reviewed and excluded technical reasons.

How is the SAP Cloud ALM, memory extension charged with CPEA ?

| January | February | March | April | May | June | July | August | ... |

12GB
8GB
4GB

Baseline memory (8GB)

←Period to activate CPEA service→   ←   Automated charging in blocks based on consumption   →

Start using SAP Cloud ALM*

Detection of overuse memory. →SAP approach customer to activate CPEA service.

Start metering after successful service activation

CPEA contract*

Contingent	consumption
March 10.000€	Start Contract
April 10.000€	- 1 Block
May 9.700€	- 2 Blocks
June 9.100€	- 0 Blocks
July 9.100€	- 2 Blocks
August 8.500€	- 3 Blocks
September 7.600€	

*data are just examples for a customer consumption situation over a snapshot of months.

SAP Cloud ALM memory extension
Typical use cases for SAP Cloud ALM memory extension

- A customer is storing extensively data from Monitoring activities on the SAP HANA database.

- A customer is building additional UIs, dashboards in SAP Cloud ALM for which he requires additional data & memory storage.

- A large SAP customer with a big system landscape wants to store many monitoring data for a longer time period (performance, Business process- or integration monitoring).

- A customer is using additional Monitoring platforms beyond SAP landscape and is uploading monitoring data daily from a 3rd party system.

- Upload of many very large files as attachments to documents.

NOW available in SAP Discovery Center

NOW available in [SAP Discovery Center](#)

NOW available in SAP Discovery Center

Overview   **Pricing**

| CPEA | Pay-As-You-Go |

Provider: Service Plan: Regions:

AWS   Default   Europe - Frankfurt   🌐   Change Currency

ⓘ Service plans for CPEA (Cloud Platform Enterprise Agreement) is a consumption based license model.

⌄   Default   Add to Estimator

Prices:

For the following regions:

AWS: Europe (Frankfurt)

Metric	Billing Block Size	Unit Price per Month	Description
Storage in Blocks of 4 GB	1	300.00 EUR	GB of storage is defined as the amount of cloud storage. Measured in blocks of 4 gigabyte (GB) units.

More details in SAP Help Portal

SAP **SAP Help Portal**   SAP Cloud ALM

Setup and Administration for SAP Cloud ALM ▾ Draft

This document ⌄ | Enter keywords or a product name | 🔍

Advanced Search ⌄

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- Finding Help
- › Data Protection and Privacy
- Security

‹Previous

Extensions ☆

SAP Cloud ALM is included in cloud subscriptions with SAP Enterprise Support. Sufficient resources for standard use are included per default:

- SAP HANA memory: 8 GB
- API usage: 8-GB outbound data transfer per month
- Cloud operations at SAP
- Administration and monitoring

You can subscribe to additional services, to cover extended use scenarios.

⌄ **Memory Extension**

Additional memory usage, beyond the standard, requires the subscription of the microservice *SAP Cloud ALM, memory extension*. This service is GB, with a fix price per month.

The following requirements can cause an extended SAP Cloud ALM usage, above the average usage:

- Building your own workflows
- Building own document services
- Building own UIs or dashboards
- Programming own enhancements
- Extensive storing of data from monitoring activities on the SAP HANA database
- Storing large amounts of monitoring data for a large system landscape for a longer time period (performance, business process monitoring)

SAP Cloud Application Lifecycle Management, memory extension
Summary

CPEA/PAYG	✓
Subscription	X
Digital Store	X

SAP Cloud ALM is our application lifecycle management service for cloud-centric customers. With SAP Cloud ALM, customers can monitor processes and be alerted to potential issues. This ensures smooth business operations without disruptions and increases the business process execution quality and performance. SAP Cloud ALM allows customers to be proactive in addressing potential issues and empowers them to more fully understand how their cloud solutions run.

- SAP Cloud ALM is included in cloud subscriptions with SAP Enterprise Support. Sufficient resources for fair use is provided at no extra charge.

- We charge for use outside of this, covering extended use scenarios, e.g. extensive data storage, storing historical data, own document services, own dashboards, programming own enhancements, etc.

- Additional memory usage beyond the fair use is charged via the SAP Cloud ALM memory extension, available currently via Cloud Platform Enterprise Agreement (CPEA) .

- Customers/Partners will be actively approached from SAP if their memory usage is beyond the SAP Cloud ALM baseline memory. The activation of the memory extension service is required after SAP has reviewed and excluded technical reasons.

- Customers are charged only in the months where they exceed use of the provided 8GB memory.

Included resources for fair use:

- Memory: 8GB included

- Cloud Operations at SAP

- Administration & Monitoring

Product	Metric	Monthly List Price
SAP Cloud ALM, memory extension	Blocks of 4GB memory	€300

Patrick Schmidt
Chief Support Engineer

Git-enabled Change and Transport System

git enabled Change Transport System (gCTS)
Intro

June 2021

THE BEST RUN **SAP**

Basics

Our idea…

DEV

Development

PRD

TST

SAP
New password
Client   001
User
Password   *************
Logon Language EN

Target
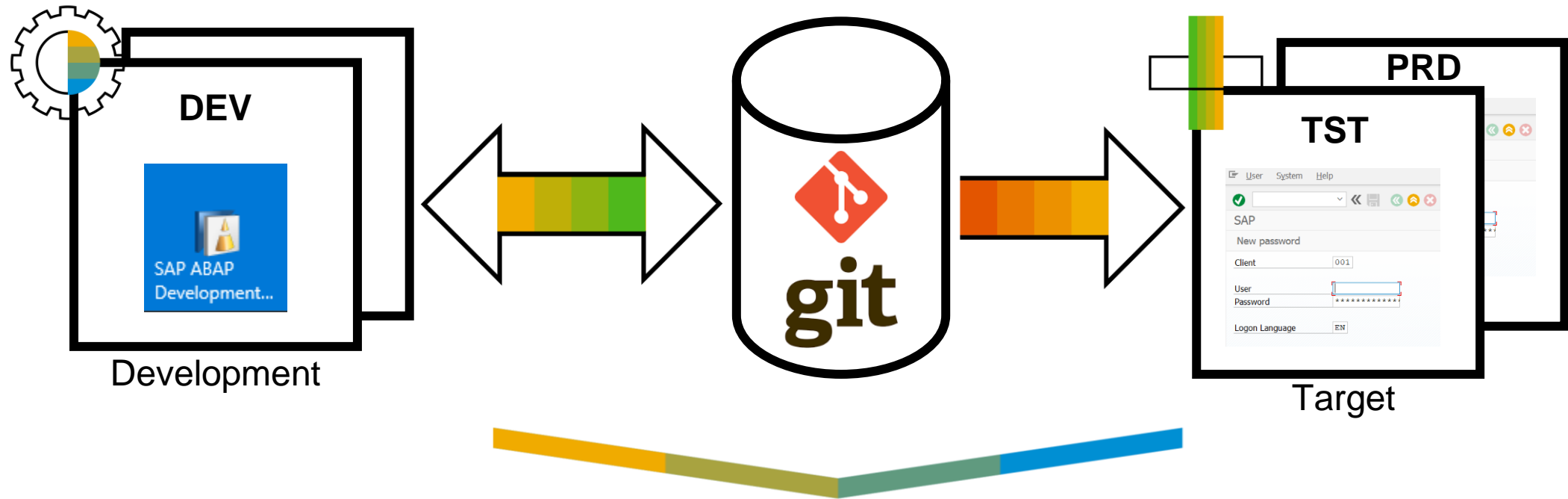
CTS*   git   gCTS

New ABAP software lifecycle process

DEVELOPERS

using ADT or SE80, SPRO, SE09

CONTINUOUS INTEGRATION

e.g. GitHub and Jenkins

CONTINUOUS DEPLOYMENT

using gCTS

CREATE CUSTOMER TRANSPORT

CHANGE CODE / CUSTOMIZING AND track it

RELEASE TRANSPORT REQUEST

CHANGES WILL BE PUSHED TO REPOSITORY

CI SERVER TESTS CHANGES IN QA SYSTEM

FEEDBACK TO DEVELOPER

CHANGES WILL BE MERGED IN RELEASE BRANCH

AUTOMATIC PULL OF CHANGES TO FOLLOW-ON SYSTEM

IMPORT CHANGES INTO ABAP RUNTIME

Which systems do I need?

Git platform
- To host your repositories

**Git Platform
(e.g. GitHub)**
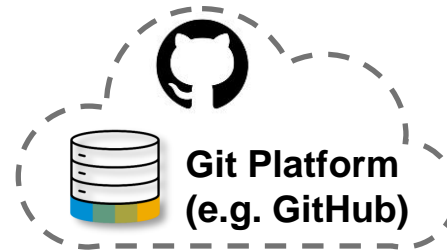
ABAP systems
- E.g. development, test and production system

| DEV | TST | PRD |

ABAP systems

MUST

optional

CI server
- To host your pipelines

**CI Server
(e.g. Jenkins)**

What do I need to install on these systems?

Git platform

- (nothing special)

Git Platform (e.g. GitHub)

ABAP systems

- S/4HANA 1909 (2020 for customizing support)
- [SapMachine](#) Version 11 or comparable JRE
- Some notes (depending on SP)

DEV	TST	PRD
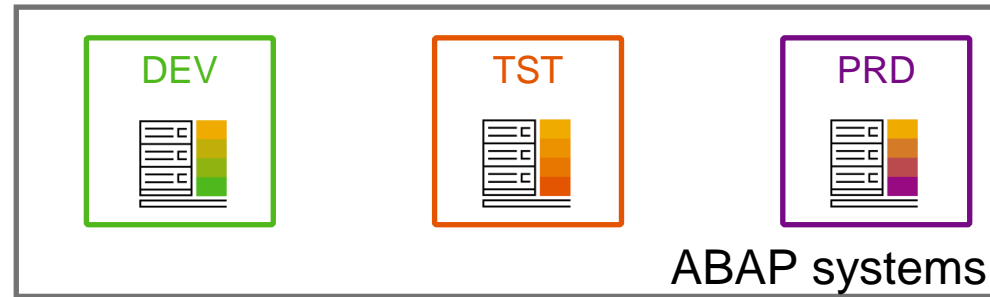
ABAP systems

MUST

optional

CI server

- (nothing special – you can use pipeline steps provided in project 'Piper')

CI Server (e.g. Jenkins)
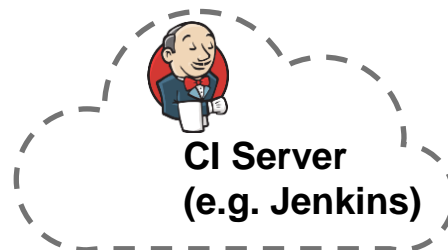
What do I have to configure on these systems?

Git platform
- Create Repository (with initial commit)

**Git-Server
(e.g. GitHub)**
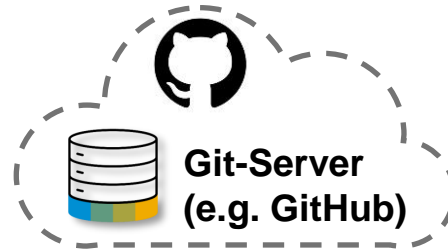
ABAP systems
- gCTS Fiori UI
- Authorizations
- Set parameters, initialize systems
- Clone repository
- Create branches

DEV   TST   PRD

ABAP systems
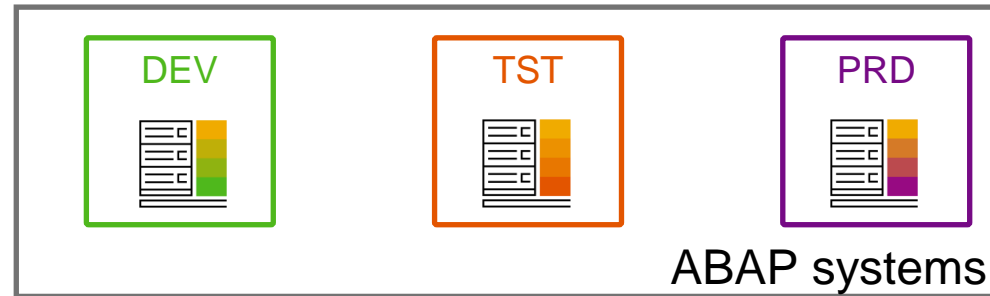
MUST

optional

CI server
- define pipeline

**CI Server
(e.g. Jenkins)**

Demo scenario

CTS/demo

Feature

Master

GIT
DEVELOPMENT

GIQ
TEST

GIP
PRODUCTION

CREATE YOUR OWN
ABAP OBJECTS AND
COMMIT THEM

NEW COMMIT TRIGGERS
FEATURE-PIPELINE

MERGE FEATURE IN
MASTER BRANCH

NEW COMMIT TRIGGERS
MASTER-PIPELINE
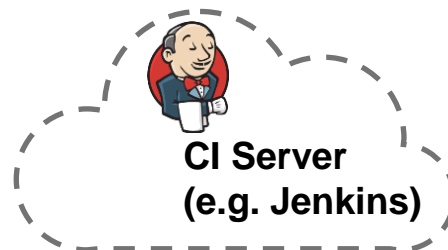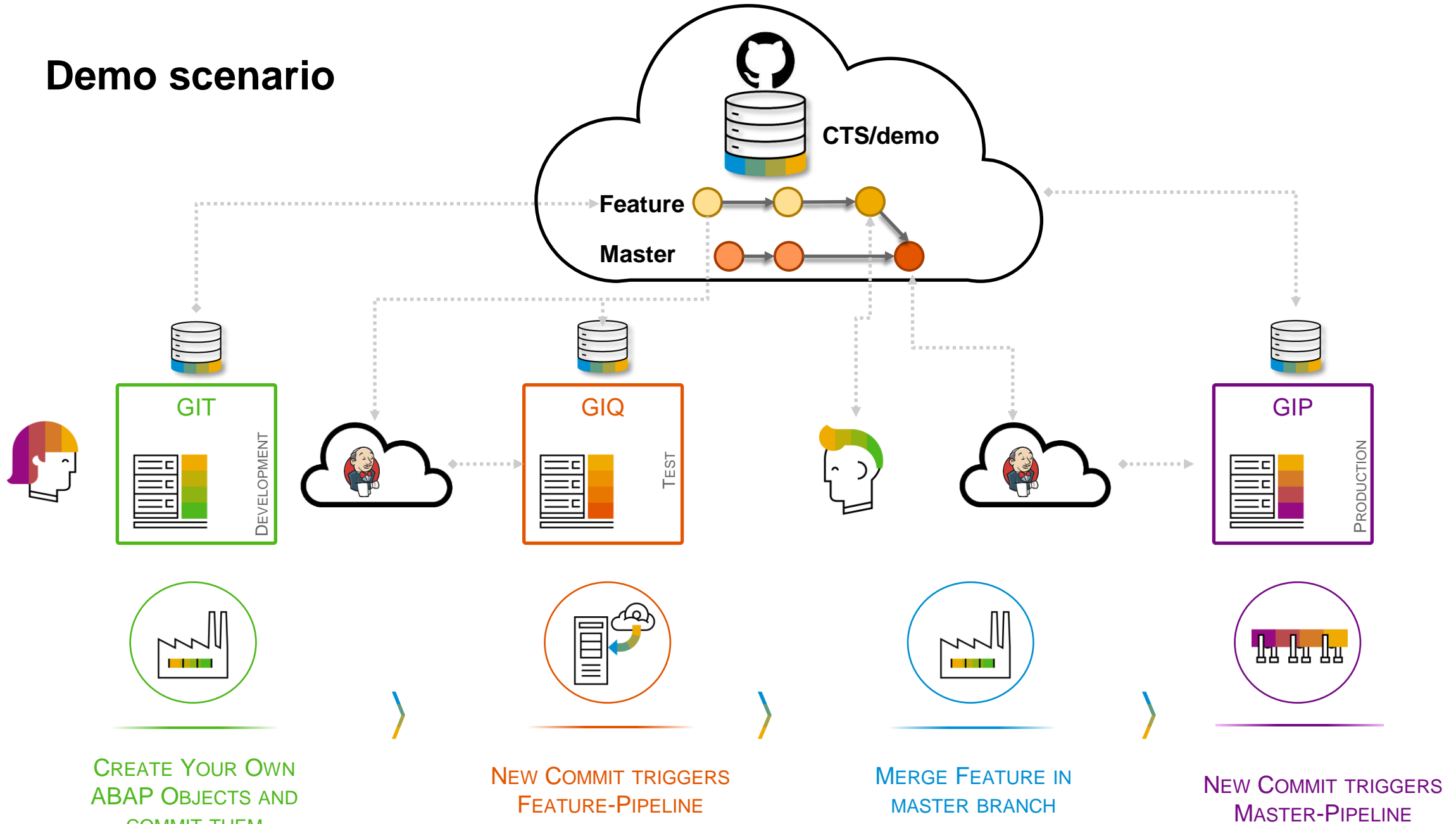
News

Project 'Piper' – planned Steps

Start — Create Repository ✓ — Clone Repository ✓ — End

Start — Deploy Commit ✓ — Run Unit Test ✗ — Rollback Commit ✓ — End

Start — Deploy Commit ✓ — Run Unit Test ✓ — Rollback Commit ○ — End

Library Steps in Project 'Piper'

gctsCloneRepository

gctsCreateRepository
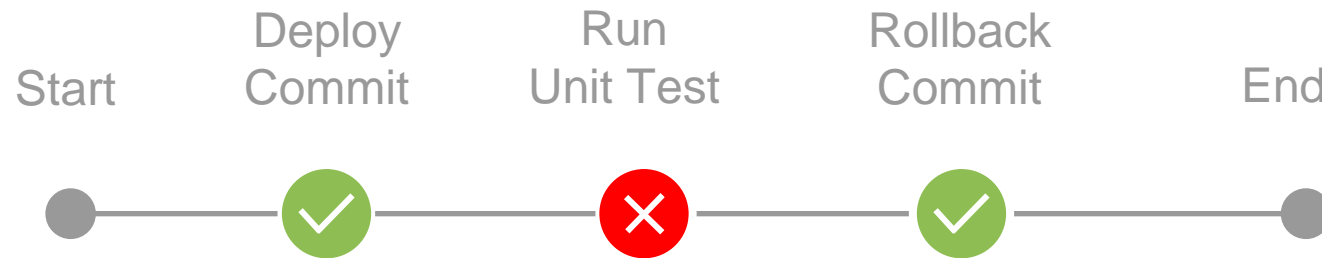
gctsDeploy

gctsExecuteABAPUnitTests

gctsRollback

Support for Conflict Resolution

Conflict Resolution UI

- Shows local and remote version

- Shows merged version indicating conflicts

- Merged version requires editing

- Integrated in Objects tab of gCTS app

- Requires GitHub
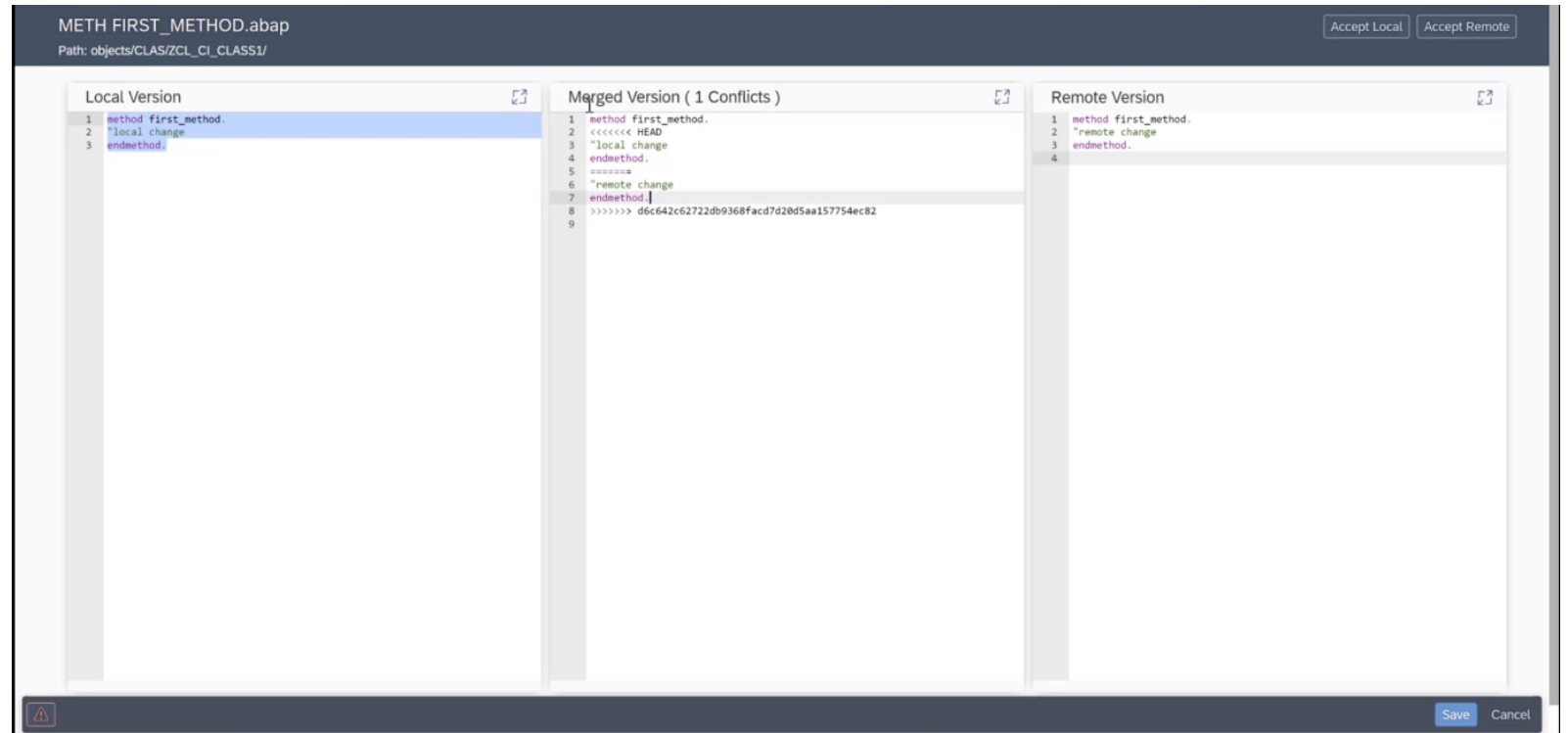
Process meets technology

Quality gate management
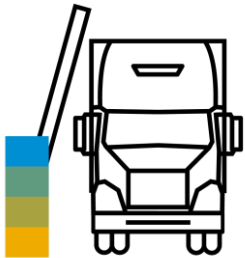
Change request management
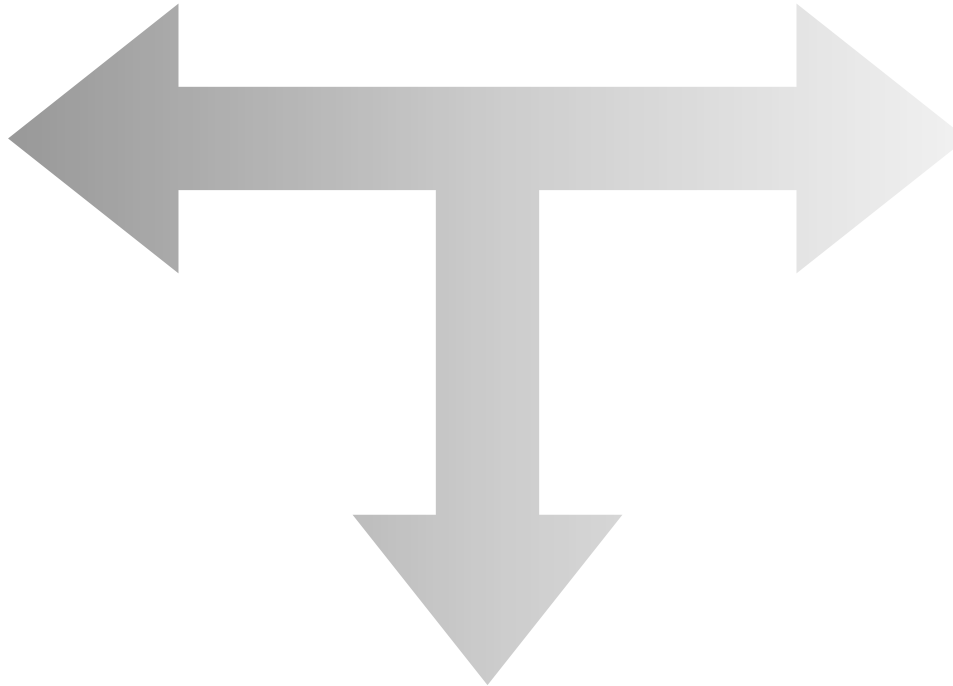
Transport management and

SAP Cloud Platform Transport Management service

Git-enabled change and transport system (gCTS)*

Change control management innovations
gCTS integration with SAP Solution Manager

Description

- Enable gCTS on managed systems

- Configure your system landscape

- Select repository in change document
  in change request or quality gate management

Benefits

- Ready-to-run DevOps processes
  with ABAP

- Central end-to-end control and
  transparency over change execution

- Similar look and feel as CTS/CTS+,
  cTMS integration

- Governance and auditability

Change control management innovations
SAP Solution Manager observes and controls gCTS

Change request or quality gate management will track within change documents transports, tasks, and commits, and will trigger the deployments of commits into the target ABAP system

Outlook

Releases and their Features

| S/4HANA 1909	S/4HANA 2020	Future Direction *Planned*
• Git-based distribution of custom development • Support for workbench objects • Option to set up Continuous Integration process • Option to automate Continuous Deployment	• Support for customizing objects • Basic support for conflict resolution when merging branches • Integration of gCTS with ChaRM (requires SAP Solution Manager 7.2 SP12)	• Enhance support for distributed development and maintenance / development use cases • Leverage GitHub functionality for code reviews (e.g. pull requests) • Integration in transport organizer • Improve exception handling and logging • Convenience functionalities to use gCTS for business processes on CI platforms.

Planned use case: Feature development and maintenance in parallel

New Feature

| NFD | → | NFQ |

| MTD | → | MTQ | → | MTP |

Maintenance

Feature

Maintenance

Master

Production
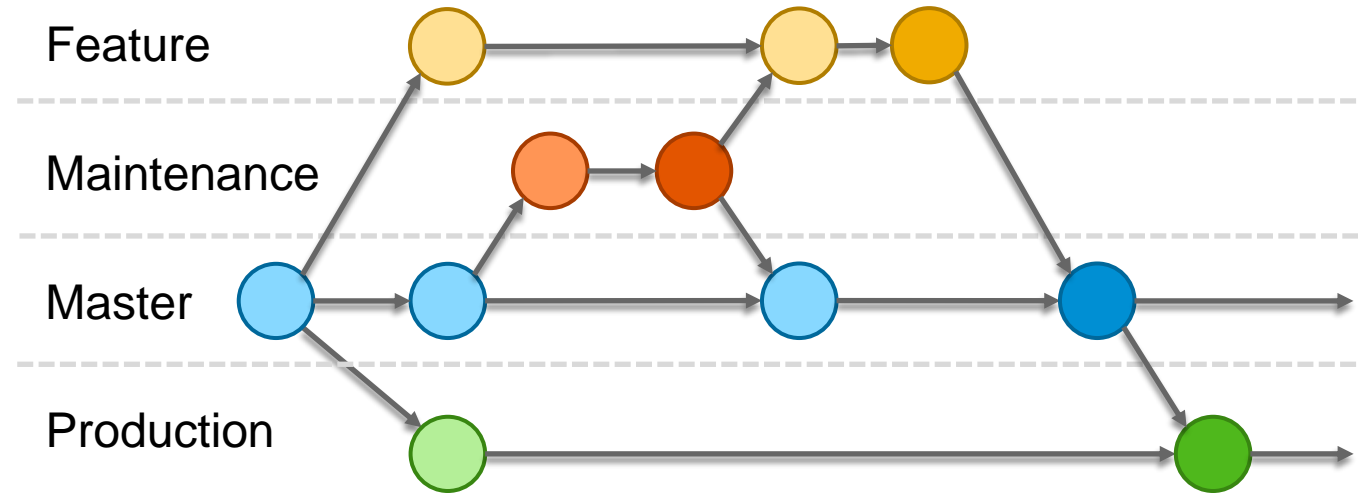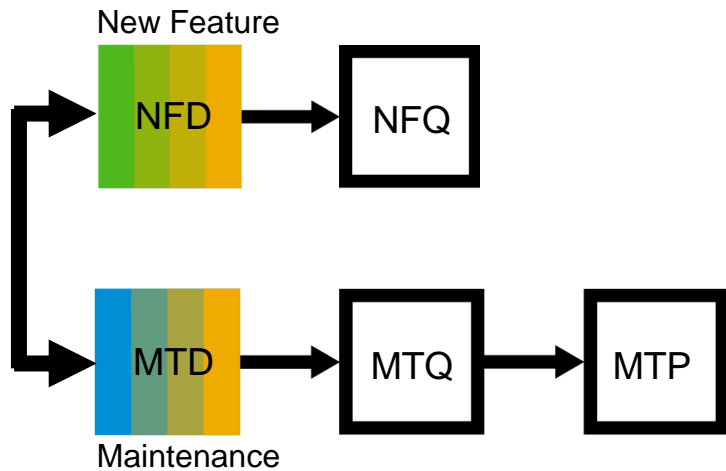
One branch for feature development

One branch for maintenance

No doubled system landscape needed

Deploy the latest commit of one or the other branch to develop new features or to do maintenance

Planned use case: Distributed development

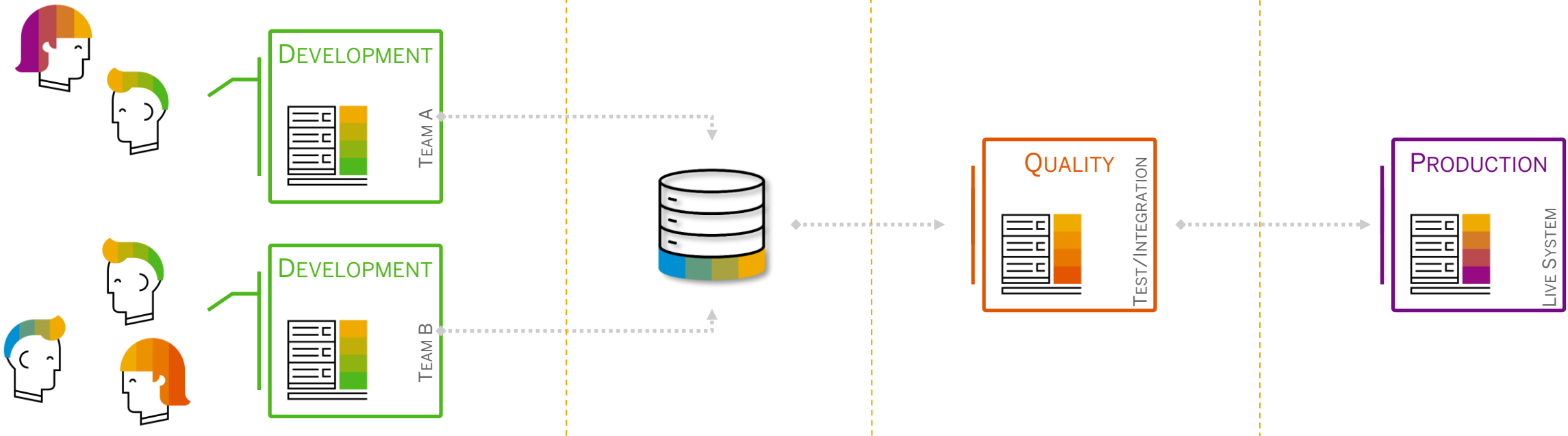Two Dev Teams can work on the same object

Commit changes to repository

Merge into master branch, deploy to QA

Deploy to Production after test

DEVELOPMENT
TEAM A

DEVELOPMENT
TEAM B

QUALITY
TEST/INTEGRATION

PRODUCTION
LIVE SYSTEM

Additional information

gCTS in SAP Help Portal

Guided Answer: https://ga.support.sap.com/dtp/viewer/index.html#/tree/2504/actions/34024

gCTS in SAP Support Portal: https://support.sap.com/en/tools/software-logistics-tools/change-and-transport-system.html#section_1079943272 (not a lot up to now – but planned to be extended as the central entry point for all information around gCTS)

Notes:

- 2821718 - Central Note for Git-enabled Change and Transport System (gCTS)

- 2827411 - Delivery of SAP Fiori app for Git-enabled Change and Transport System (gCTS)

- 2888887 - gCTS: restrictions in supported object types

- 2894157 - gCTS Fiori app: Fixes for UIBAS001, version 500, SP01

ALMathon@ALM Summit 2021 EMEA

What is it ?

- Platform at ALM Summit EMEA to introduce your ALM solutions / extensions to all Summit participants

- The 2021 Challenge is " How to make the standard ALM processes smarter with a solution extension?"

- 6 partner solutions will pitch their existing ALM extension solution or a product at ALM Summit to all participants in a Jam session

- There will be a voting of the best solution and a price for the winner

Rules

- The solutions have to exist as a product or a concrete solution, available to customers and shall extend one of SAP´s ALM products (e.g. SAP Solution Manager, SAP Cloud ALM, FRUN)

- Application time starts now. All partners who want to join the challenge should provide a short pitch (one pager) to SAP (David.Birkenbach@sap.com) by end of July at the latest.

- A jury will do a pre-selection to nominate TOP 6 for the live pitch at the Summit.

- At the summit, each presenter will get 10 min to pitch and demonstrate the solution extension.

- All audience have the possibility to vote with an online tool, which solution they like most.

- The winner will be announced immediately after the pitching sessions and will get a price

This is the current state of future vision and may be changed by SAP at any time.
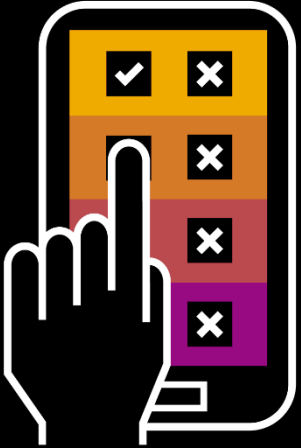
Your chance to influence SAP

Please open www.menti.com

and use code 9312 1717

Or use the QR code with your mobile device.

Please follow me for any public updates

Thank you.

David Birkenbach

Regional Go-to-Market – Lead EMEA/MEE
Customer Experience & Solutions (CXS) │ CSI │
Product Engineering| SAP SE
E david.birkenbach@sap.com

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