Application Lifecycle Management
Partner Call – Q3 / 2021

CXS Customer Communications and Relations, SAP SE
8th of September 2021

PUBLIC

THE BEST RUN **SAP**

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Agenda, 8th of September 2021

- Welcome & Announcements

- SAP Solution Manager Customer Connection program

- News from Focused Build with SP8

- New APIs in Focused Build with SP8

- Whitespaces for partners in SAP Cloud ALM

- Polls

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

Tim Steuer
VP ALM- Customer Communication

Gustavo Kunst
Focused Build Expert

Sharath Shasheendran
ALM Go-to-Market APJ

Jörg Marenk
Focused Build Expert

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

Welcome & Announcements

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."

ALM Summit EMEA 2021

Transformation starts today!
It's a 4 day event with 4 sessions in 4 tracks every day.

Virtual experience | October 19th to 22nd

Register Now

You can find the detailed agenda of the event **here**.

1st ALMathon on Day 1

- The 2021 Challenge is " **How to make the standard ALM processes smarter with a solution extension?**"
  - 14 teams participate
  - 6 live pitches
  - 1 winning solution

openSAP course - Update Q3/2021
Agile Project Delivery with Focused Build for SAP Solution Manager

> This course is an updated version of the 2019 edition including the latest functionality of focused build.
> It is designed for first time attendees as well as refreshers. The entire project of adopting SAP S/4HANA and SAP S/4HANA Cloud, private edition is covered

Why you should attend:

- Build up or refresh your focused build skills
- Find out which areas have change the most
- Share innovation with fellow project team members

Target roles:

- Project managers
- Project members
- Agile methodologists and tool consultants

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Agile Project Delivery with Focused
Build for SAP Solution Manager

Enjoy!

Course start: September 28th 2021

Operating Cloud-Centric Solutions with SAP Cloud ALM
openSAP – Tue 14th September 2021   https://open.sap.com/courses/calm3

Learn how to Operate Cloud-Centric Solutions 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 Monitoring & Alerting functionalities available in SAP Cloud ALM, i.e. Business Process Monitoring, Integration & Exception Monitoring, Real User Monitoring, Job & Automation Monitoring, and Health Monitoring. Furthermore, you get to know the Event Management functionalities like Business Service Management and the Intelligent Event Processing approach.

OPEN FOR REGISTRATION

openSAP course - Operating Cloud-Centric Solutions with SAP Cloud ALM

Speakers: SAP Cloud ALM Product Owners and SAP Guest Speakers

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

Week 1: Introduction

Week 2: Monitoring & Alerting

Week 3: Event Management

Week 4: Exam

(Demo system available each week to support learning experience)

openSAP
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Accelerate Cloud Implementations with SAP Cloud ALM

openSAP – since 15th June 2021   **https://open.sap.com/courses/calm2**

Still OPEN FOR Enrollment

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

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Our next Partner Community Call

Please block your calendar or register here.

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

The next call is planned to take place in Q1 2022 (date tbd)

The Q4 Partner Community update happens at the ALM Summit EMEA from 19th-22nd of October.

Special topics for partners in the Partner track at the ALM Summit are:

- ALM for SAP Partners: Endorse, Embed, Extend

- How to build extensions for Solution Manager and SAP Cloud ALM

- Extend SAP Cloud ALM using APIs & Ressource extensions

- Build operation automation content for your customers using SAP Cloud ALM for operations

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 22nd of September, 4 pm CEST

Focus Topic → SAP Focused Run

Follow our Community Tags to stay up to date!

SAP Cloud ALM

SAP Solution Manager

SAP Focused Run

New community call series for SAP Cloud ALM .
Register here.

Tim Steuer
VP ALM- Customer Communication

Customer Connection for SAP Solution Manager & Focused Build

SAP Solution Manager Customer Connection 2021

How to engage:

- **Log on** to the influence platform and review the new 2021 projects (see below)

- **Review** existing requests and vote for them

- **Submit** Own requests

Process Management 2021 for SAP Solution Manager, including Focused Build

Test Suite 2021 for SAP Solution Manager, including Focused Build

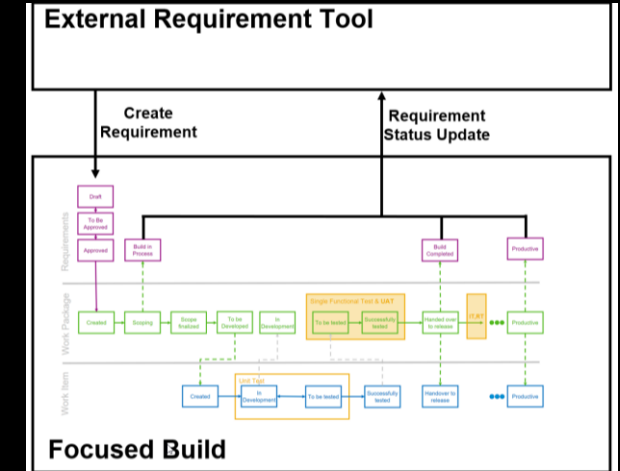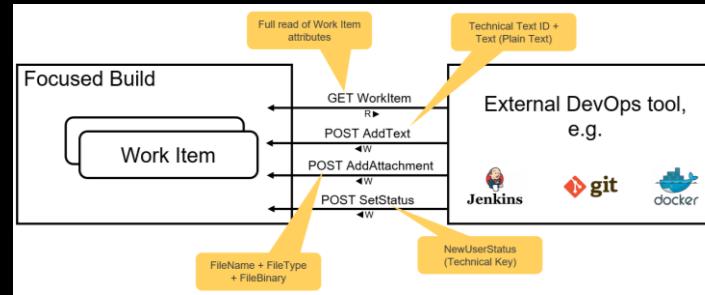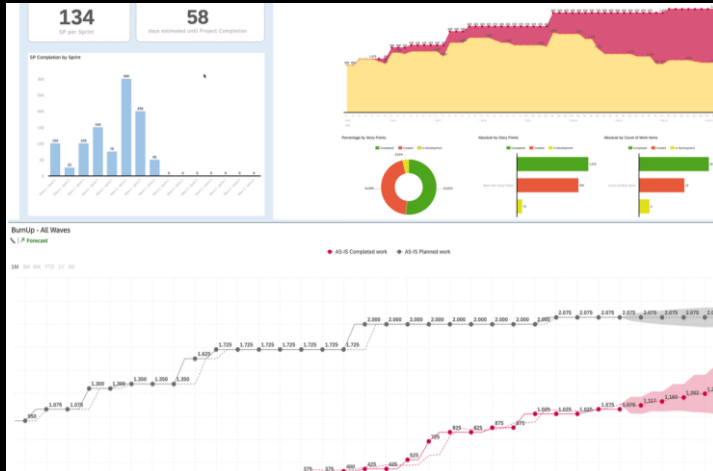Change & Release Management 2021 for SAP Solution Manager, including Focused Build

This is the current state of planning and may be changed by SAP at any time without notice.

Jörg Marenk
Focused Build Expert

News from Focused Build with SP8

New or enhanced external integrations

API to SAP Analytics Cloud

- Extended and flexible analytical and operational reporting for Requirements, Work Packages and Work Items
- Extraction report to collect information at regular intervals
- New OData REST service to read data and create dashboards

API to external CI/CD tools

- Customers can configure an individual integration with external Continuous Integration / Continuous Deployment tools
- The API reads Work Item Information via an OData service
- From external tools, attachments, status and texts can be added to the Work Item

Requirements Management API

- Additional attributes can be exchanged between Focused Build and the external tool
- New BAdI available at creation and change for custom attribute mapping

Release Management Enhancements
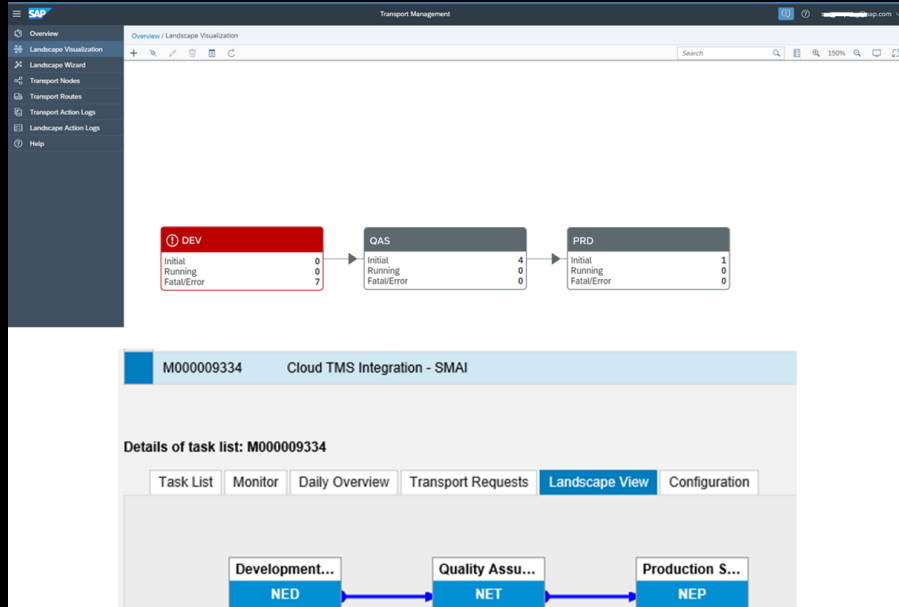
Cloud Transport Management Service Integration

- Managing changes centrally with Focused Build for on-premise systems and on SAP Business Technology Platform
- Cloud TMS allows to handle software deliverables between accounts of different runtimes such as Neo and Cloud Foundry

Reset change documents after system upgrade

- New report to support customers who needed to upgrade their landscape in a running implementation project (Focused Build or Change Request Management)
- Report checks for transport requests of a given cycle and repacks them after the upgrade in new transports of the new system version
- Related change documents are set back to in development; import buffers are cleaned up

Example for a Focused Build Project Setup

= Project Q-Gates

= Decision Point

Project Phases

| Discover & Prepare | Explore | Realize | Deploy | Run |

Phases of Release Cycle

| Create | Prepare | Build | Test | Prepare for Deploy | Deploy | Hypercare |

Upgrade required

Wave 1: Exit criteria fulfilment

| Sprint | Sprint | Sprint |
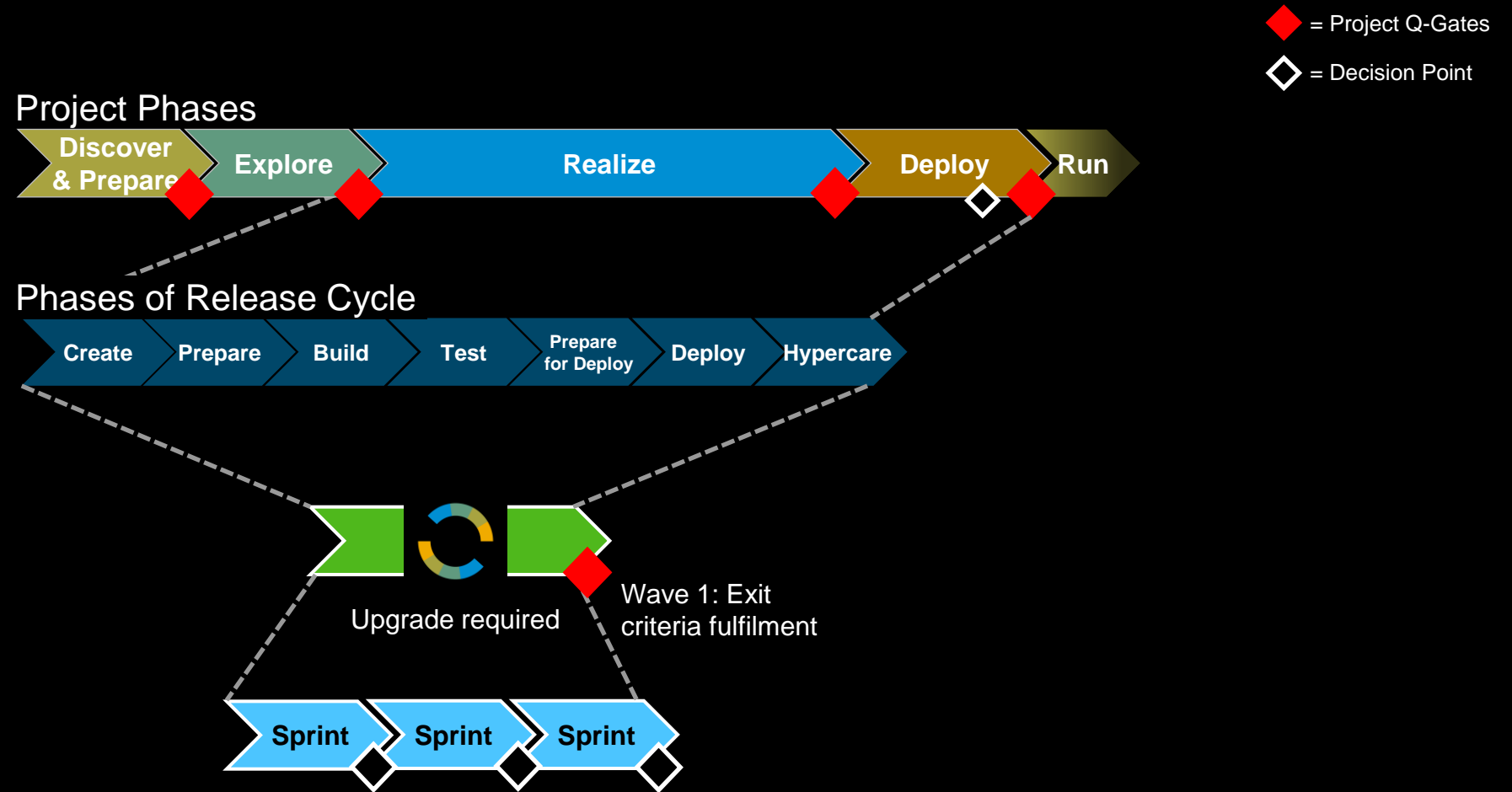
Challenges of a System Upgrade

- Open transports can contain SAP-objects that block the upgrade

- Transport Requests containing SAP-objects of the old release version can harm the system if imported in the new release version

- Table Definitions can be changed during the upgrade

- ➢ General recommendation before an up̶̶̶̶̶lease all Transport Requests from the Development System and transport the̶̶̶̶̶whole landscape or revert changes which should not be transported.

SAP Best Practice

If the SAP Best Practice does not work…

Application

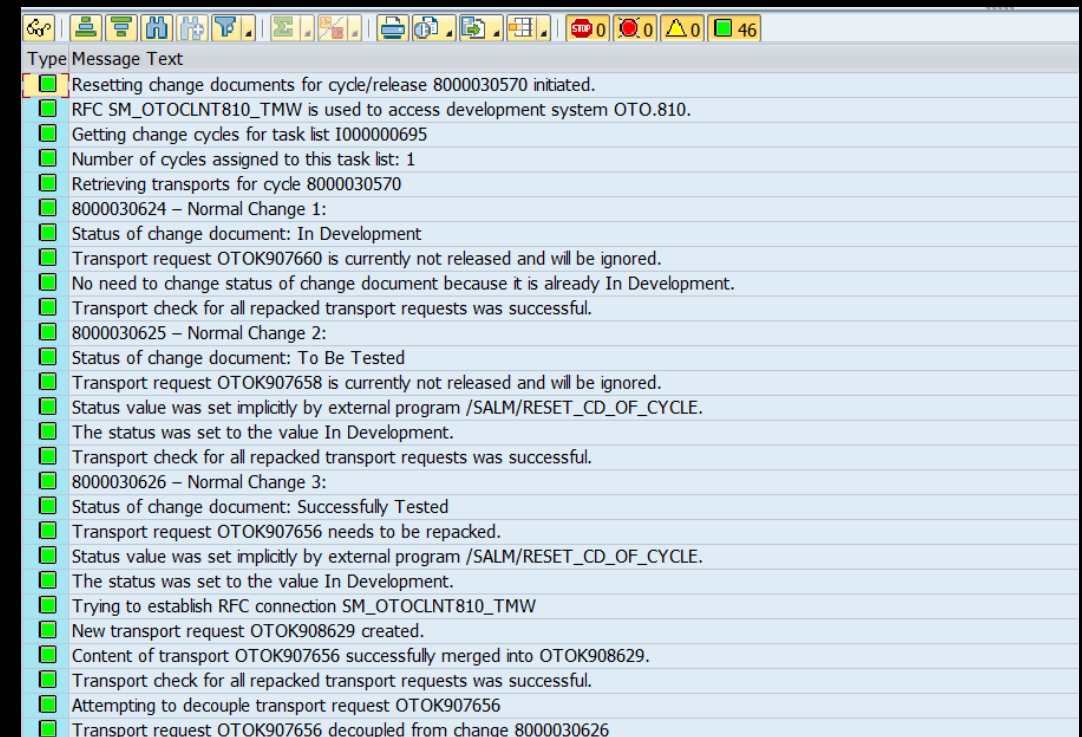Reset Report to be performed after System Upgrade

Feature details

Report /SALM/RESET_CD_OF_CYCLE resets Change Documents and related Transport Requests after a system upgrade.

Benefits / Use Case

Customers that are running a Focused Build or Change Request Management project sometimes face the challenge that the system landscape must be upgraded in the course of the project. The recommendation before the upgrade is to clear the whole landscape from all transports which is often not possible. The new Reset-report supports customers in this situation immediately after the upgrade. The report checks to a given change cycle the related documents (e.g. Work Items, Normal Changes etc.) and assigned transports. In an Upgrade-case, the report resets all change documents back to in development and repacks released transport requests into new transports with the most recent version from the new System, afterwards import buffers are cleaned up.

Select Cycle and Landscape

Change Cycle	8000030570
Development System	OTO 810

Select Change Documents

Transaction No.		to

Processing Mode

Test Mode ✓

Type	Message Text
	Resetting change documents for cycle/release 8000030570 initiated.
	RFC SM_OTOCLNT810_TMW is used to access development system OTO.810.
	Getting change cycles for task list I000000695
	Number of cycles assigned to this task list: 1
	Retrieving transports for cycle 8000030570
	8000030624 – Normal Change 1:
	Status of change document: In Development
	Transport request OTOK907660 is currently not released and will be ignored.
	No need to change status of change document because it is already In Development.
	Transport check for all repacked transport requests was successful.
	8000030625 – Normal Change 2:
	Status of change document: To Be Tested
	Transport request OTOK907658 is currently not released and will be ignored.
	Status value was set implicitly by external program /SALM/RESET_CD_OF_CYCLE.
	The status was set to the value In Development.
	Transport check for all repacked transport requests was successful.
	8000030626 – Normal Change 3:
	Status of change document: Successfully Tested
	Transport request OTOK907656 needs to be repacked.
	Status value was set implicitly by external program /SALM/RESET_CD_OF_CYCLE.
	The status was set to the value In Development.
	Trying to establish RFC connection SM_OTOCLNT810_TMW
	New transport request OTOK908629 created.
	Content of transport OTOK907656 successfully merged into OTOK908629.
	Transport check for all repacked transport requests was successful.
	Attempting to decouple transport request OTOK907656
	Transport request OTOK907656 decoupled from change 8000030626

What the report does

- Collects all change documents with transport requests of the specified, upgraded system of a given change or release cycle

- Checks for appropriate authorizations to perform the reset

- Checks whether the specified system was really upgraded

- Resets change documents back to in development

- Released Transport Requests from the old system version will be repacked into new Transport Requests from the new system version

- Old Transport Requests will be decoupled from the change documents and will be replaced by the new Transport Requests

- Old Transport Requests are deleted and also removed from Import Buffers

- Information about executed steps are documented in change document text log and Application Log

Improvements based on customer feedback
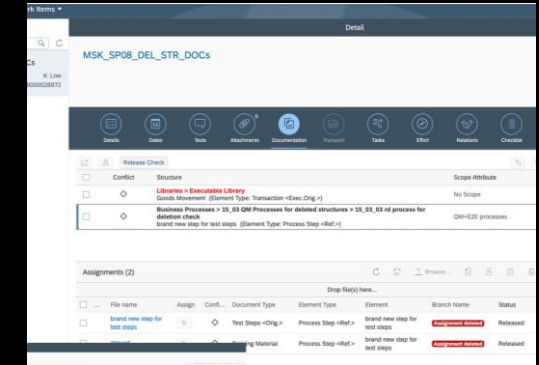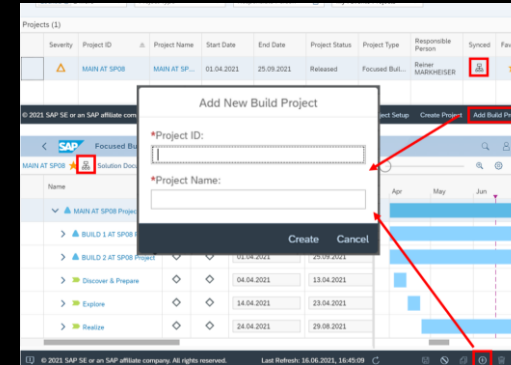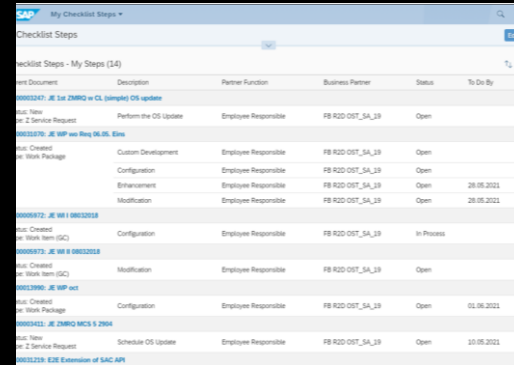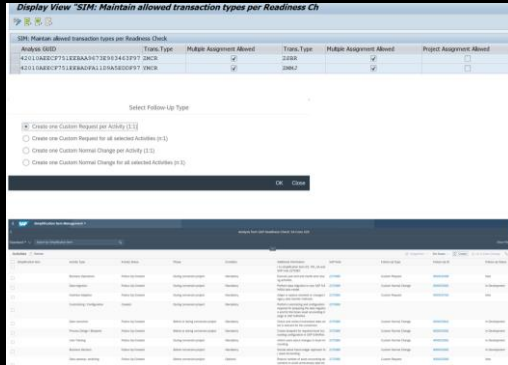
S/4HANA Conversion Project Support

- Merge of several Conversion Activities in one Follow-Up Document possible
- Assign/Reassign of Activities allows higher flexibility
- Integration in custom transaction types possible

New application for My Checklist Steps

- New entry point to access all checklist steps an user is assigned to
- Detail view for checklist steps from different documents (Work Package, Work Item etc.)
- Switch between My Steps and Team Steps

Project Management: Enhancement of Projects

- New Build projects can be added to synchronized Main/Build projects
- New waves or Sprints can be added to Main/Build projects more easily

Process Management: Display of deleted objects

- In case relevant structure was deleted in one of the following waves/sprints the deleted structure is still shown in the stage when this WP/WI was completed
- Allows proper reporting on what has happened

Additional functionalities shipped with SP8

Process Management

- Additional filtering capabilities in Business Process Readiness Dashboard
- Improved Navigation from Related Documents Area

Requirements Management

- Solution available as filter criteria and in result list
- WRICEF Sub-Classification as filter criteria and in result list

Work Package & Work Item

- Test Team available in Work Package
- Scope-Popup for Work Items has been enhanced with Value Points, Story Points and Priority

Defect and Defect Correction

- Additional Defect Correction can be created if original Defect Correction was withdrawn
- Withdraw of Defect is possible but only if current processor is also the Reporter
- New text type "Proposed Solution" for Defect Correction
- Automatic actions for email notifications in Defects

Test Suite Part I

- Value Definition for Test Steps Parameters
- Defect-creation dialog can be customized and enhanced via BAdI
- Performance Improvement in My Test Executions
- Digital Signature WF Adjustment in Test Steps Designer

Test Suite Part II

- Test case name extended to 100 characters
- Include Sorter/Filter in "Add from SolDoc"
- Test-Team from WP available in Assignment Analysis

Release Dashboard

- Three new fields added in result list: Classification, Category and Changed by

ALM Standalone

- Retrofit Automation: Additional email to relevant recipients or distribution list
- Repack: BAdI to change result list after repacking
- XLD: Allow import parameters for distribution
- XLD: Protect distributed objects in target system
- Simple IT Request: Integration of Solution Documentation possible
- Simple IT Request: Minor Enhancements (Locked-by-problem, direct download for attachments, Web Assistant Support)
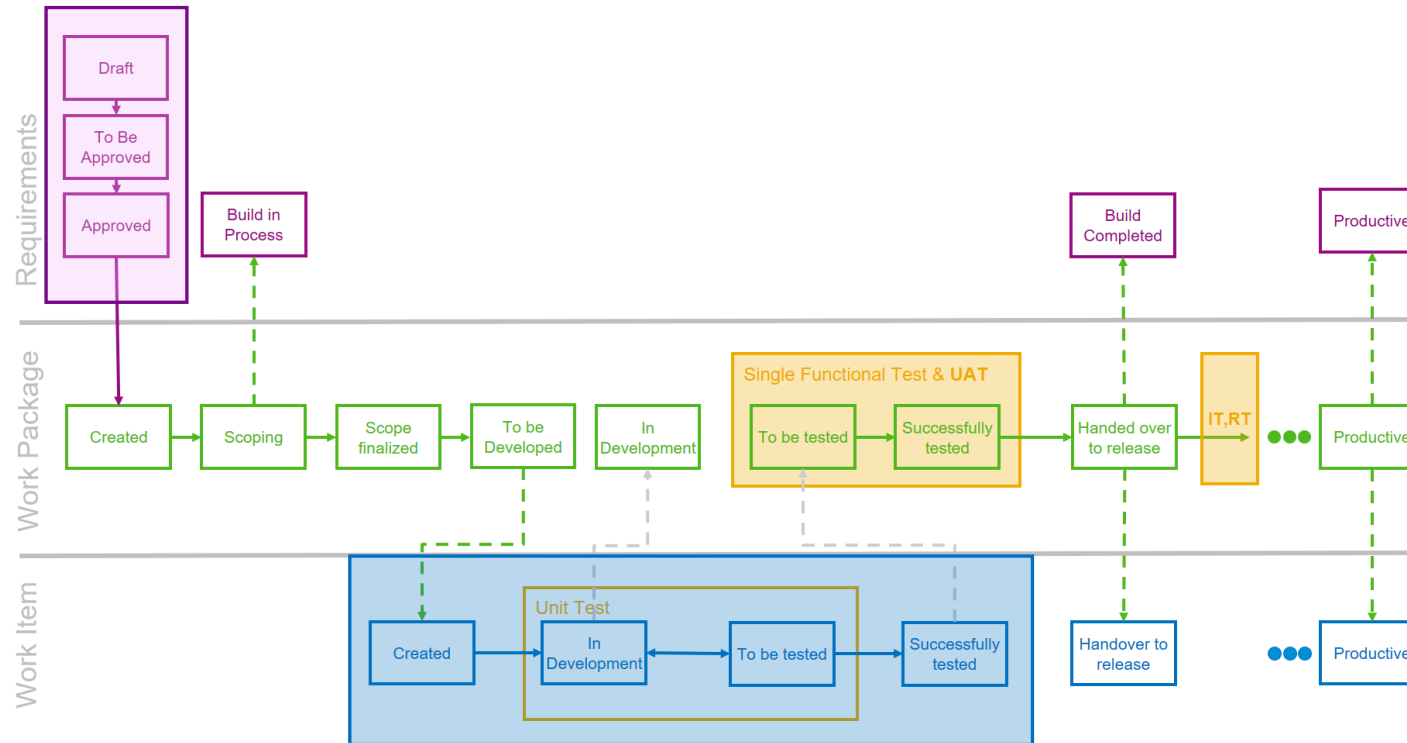
Gustavo Kunst
Focused Build Expert

New APIs in Focused Build with SP8

Areas for external integration – where does it make sense

Requirement Inbound

- Create and update Requirements from external tool
- Synchronize status updates

External Requirement API

Analytics

- Extract Focused Build data
- Read, store and use the extracted data in SAP Analytics Cloud

SAP Analytics Cloud API

Requirements
- Draft
- To Be Approved
- Approved
- Build in Process

Work Package
- Created
- Scoping
- Scope finalized
- To be Developed
- In Development
- Single Functional Test & UAT
  - To be tested
  - Successfully tested
- Handed over to release
- IT,RT
- Build Completed
- Productive

Work Item
- Created
- Unit Test
  - In Development
  - To be tested
  - Successfully tested
- Handover to release
- Productive

Development Outsourcing

- Handle development tasks in external tool
- Focused Build needs to be the leading system for the creation of the tasks

External tool API

CI/CD Integration

- Document external DevOps operations
- Perform status changes of Work Items

DevOps API

Scrum Board

- UI5 Scrum Board running on top of Focused Build
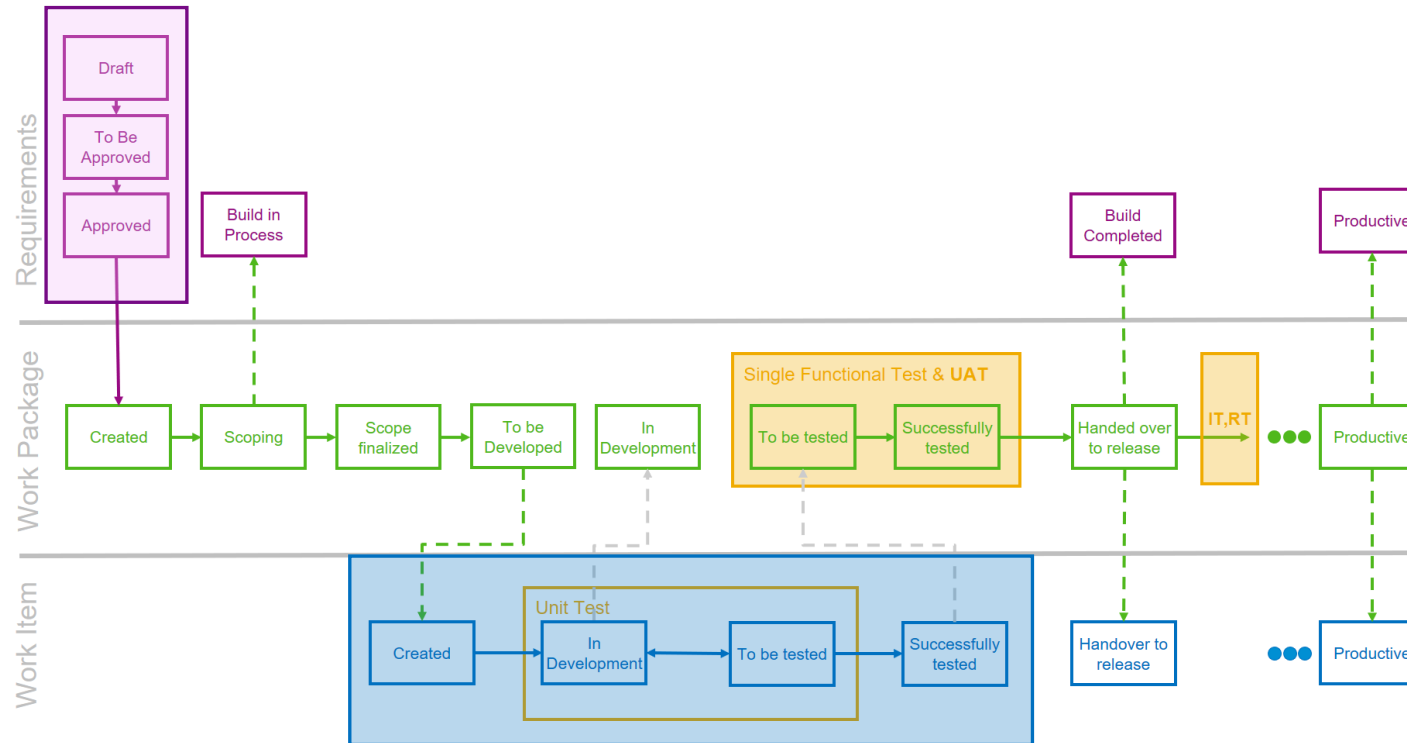- No data replication like in the Development Outsourcing scenario

Scrum Board API

Areas for external integration – where does it make sense

Requirement Inbound

- Create and update Requirements from external tool
- Synchronize status updates

External Requirement API

Redesigned

Analytics

- Extract Focused Build data
- Read, store and use the extracted data in SAP Analytics Cloud

SAP Analytics Cloud API

Requirements: Draft → To Be Approved → Approved; Build in Process

Work Package: Created → Scoping → Scope finalized → To be Developed → In Development → Single Functional Test & UAT (To be tested → Successfully tested) → Handed over to release → IT,RT → ●●● → Productive; Build Completed

Work Item: Created → Unit Test (In Development → To be tested → Successfully tested) → Handover to release → ●●● → Productive

Development Outsourcing

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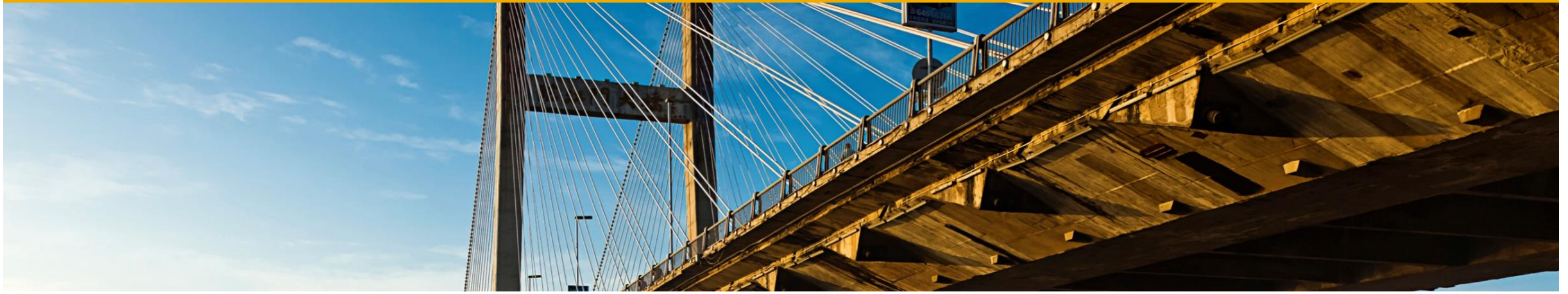
External tool API

CI/CD Integration

- Document external DevOps operations
- Perform status changes of Work Items

DevOps API

Scrum Board

- UI5 Scrum Board running on top of Focused Build
- No data replication like in the Development Outsourcing scenario

Scrum Board API

Requirement **Inbound**

External Requirement API

Focused Build provides an API to connect external Requirement tools to Focused Build

- Provides the capability to connect external Requirement tools like e.g. Jira

- Provides a generic API based on OData web services

- API provides the capability to create, change and update the status of Requirements in Focused Build. Requirement status updates are send back to the external Requirement tool

- Only the API on Focused Build side is delivered (not the API counterpart on the external tool side)
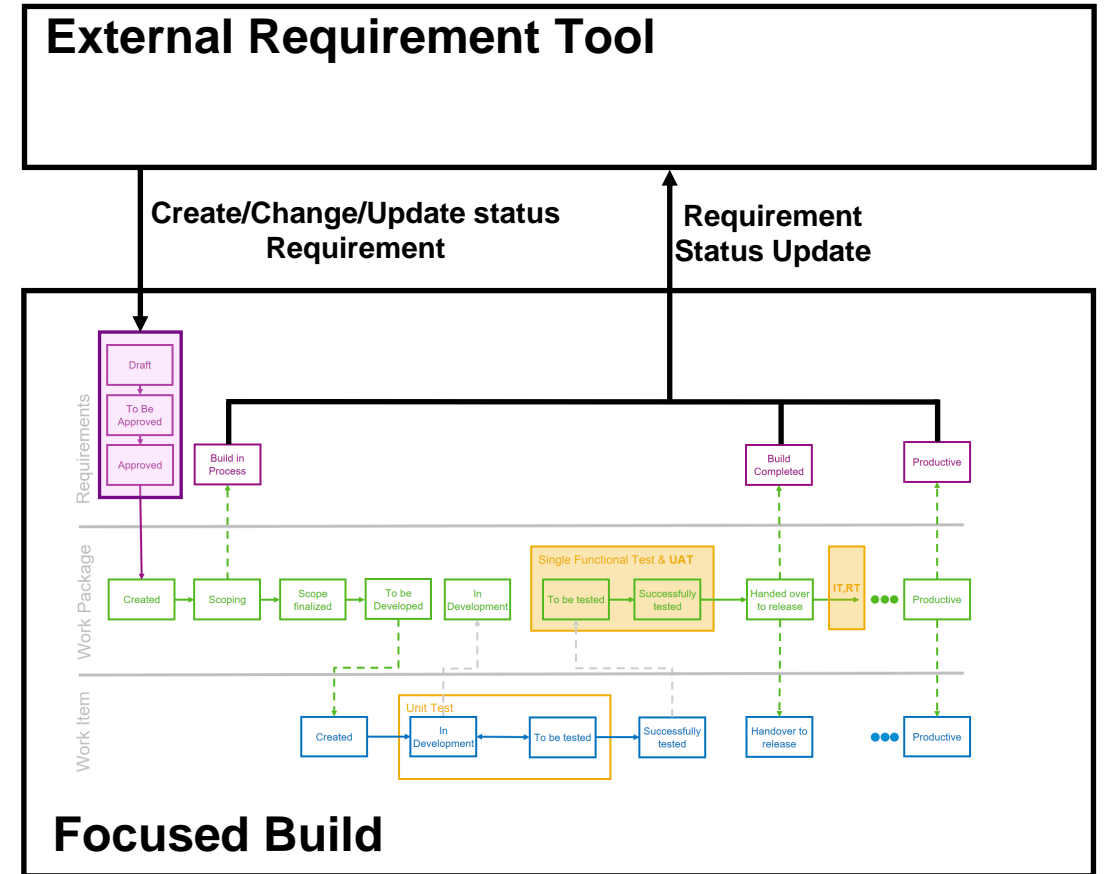
CI/CD **Integration**

DevOps API

Focused Build provides an API to allow external Continuous Integration/Continuous Deployment tools where DevOps pipelines controlled outside CTS are used and integrates with Work Items.

Integration provides:

- The capability to create new texts in a Work Item

- A methods to save files as attachments in a Work Items like e.g. log files

- The capability to change the status of a Work Item using the standard post-processing framework

- The service is delivered as an inbound Odata service. Outbound calls from Focused Build are not supported
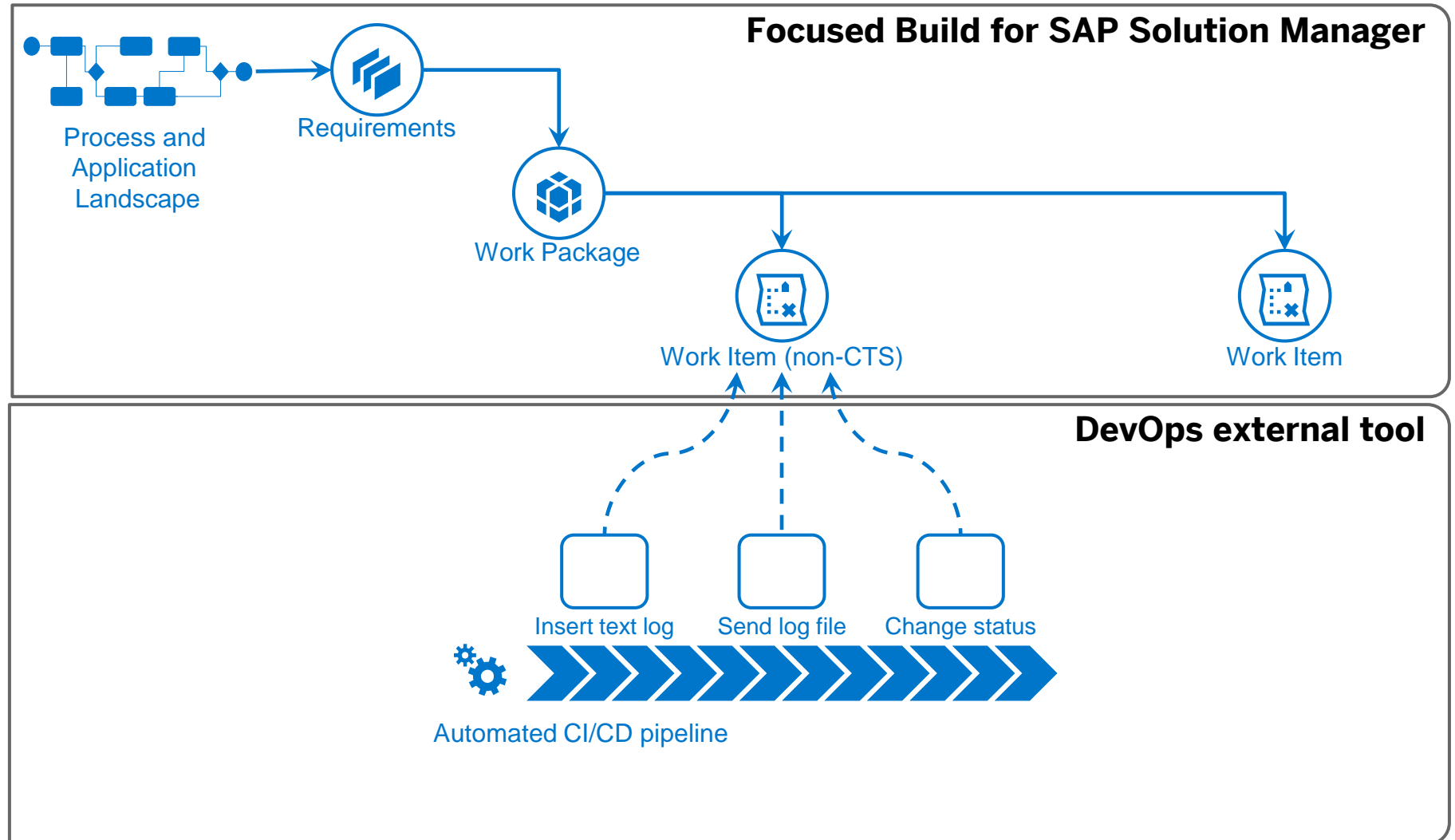
DevOps API – Service details
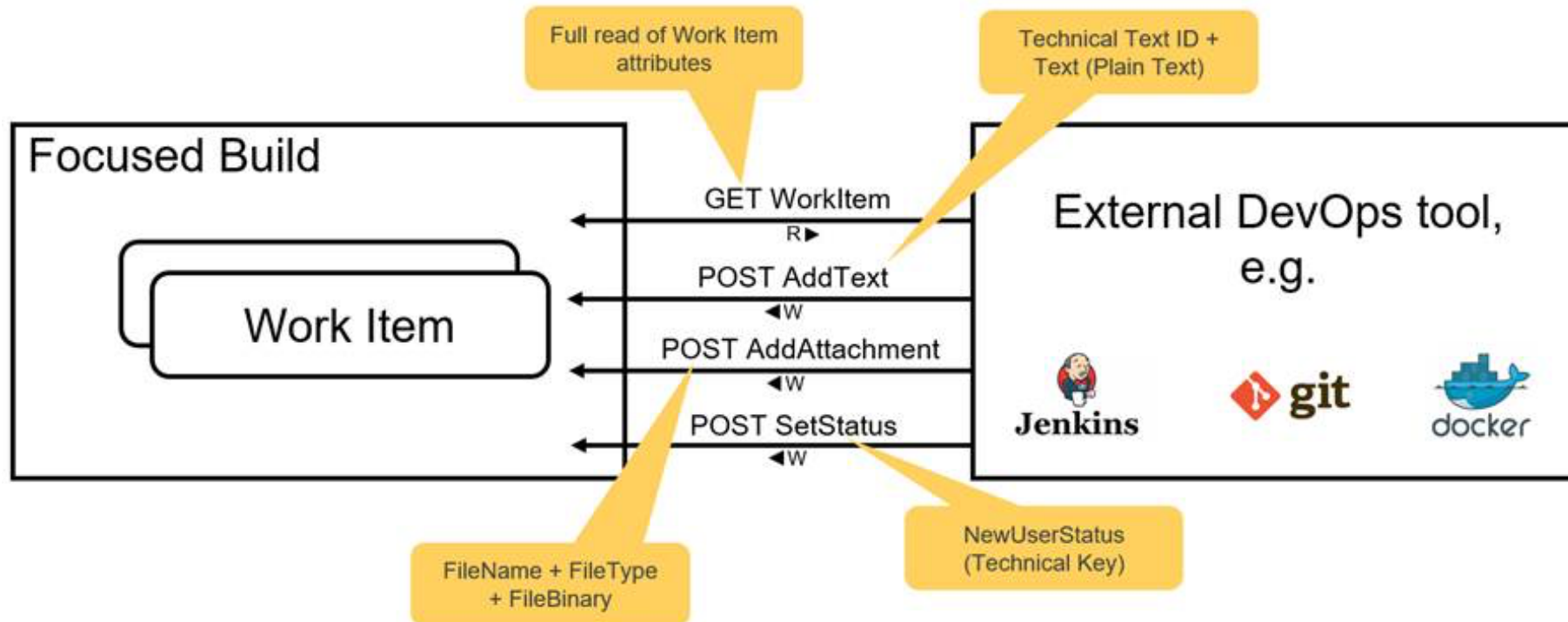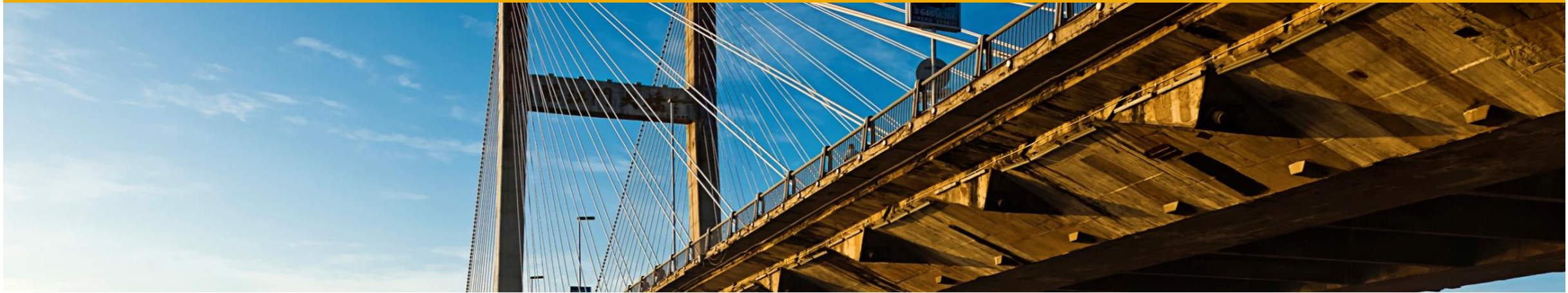
DevOps API – Example

Project Team

- **Requirements** defined in discovery workshops
- **Work Packages** created out of Requirements by Architect
- Work Packages broke down into **Work Items** by Architect
- **Work Items** created to be deployed outside of CTS control using a external DevOps tool

DevOps Team

- Set-up automatic pipelines for CI/CD operations
- Send log files and post texts of automated tasks into **Work Items**
- Synchronize operation status with **Work Item**

Focused Build for SAP Solution Manager

Process and Application Landscape

Requirements

Work Package

Work Item (non-CTS)

Work Item

DevOps external tool

Insert text log

Send log file

Change status

Automated CI/CD pipeline

Analytics

SAP Analytics Cloud API

Focused Build provides an API to collect and extract the Requirement-to-Deploy documents with its attributes to connect Focused Build with SAP Analytics Cloud for personalized and flexible dashboard and reporting.

Integration allows:

- To schedule an extraction report for daily collection of Requirements, Work Packages, Work Items, assigned documents and Transport requests

- To extract in addition the changes performed in the last 24 hours

- To connect an SAP Analytics Cloud tenant using the SAP Cloud Connector to call Odata services to read the extracted data, or the usage of any other analytics tool supporting Odata v2 as connection mechanism

- To leverage the dashboard and reporting capabilities of SAP Analytics Cloud to create powerful analytic stories on Focused Build project execution

SAP Analytics Cloud API – Examples

Provide Key Performance Indicators

- Calculate Wave/Sprint development velocity based on completed Story Points

- Estimate Project completion based on the current backlog and development velocity

- Summarize the backlog and completion status and make comparisons with previous periods

Create Burn-up charts

- Show in one single chart the evolution of the backlog and completion rate of your developments.

- Filter, make comparisons and analysis of the distribution of the work by, for instance, Development Teams or using the Multi-level Categorization

Estimate the backlog execution progression

- Show the progression of the development execution, pending backlog and use the SAP Analytics Cloud built-in forecasting features to estimate future periods
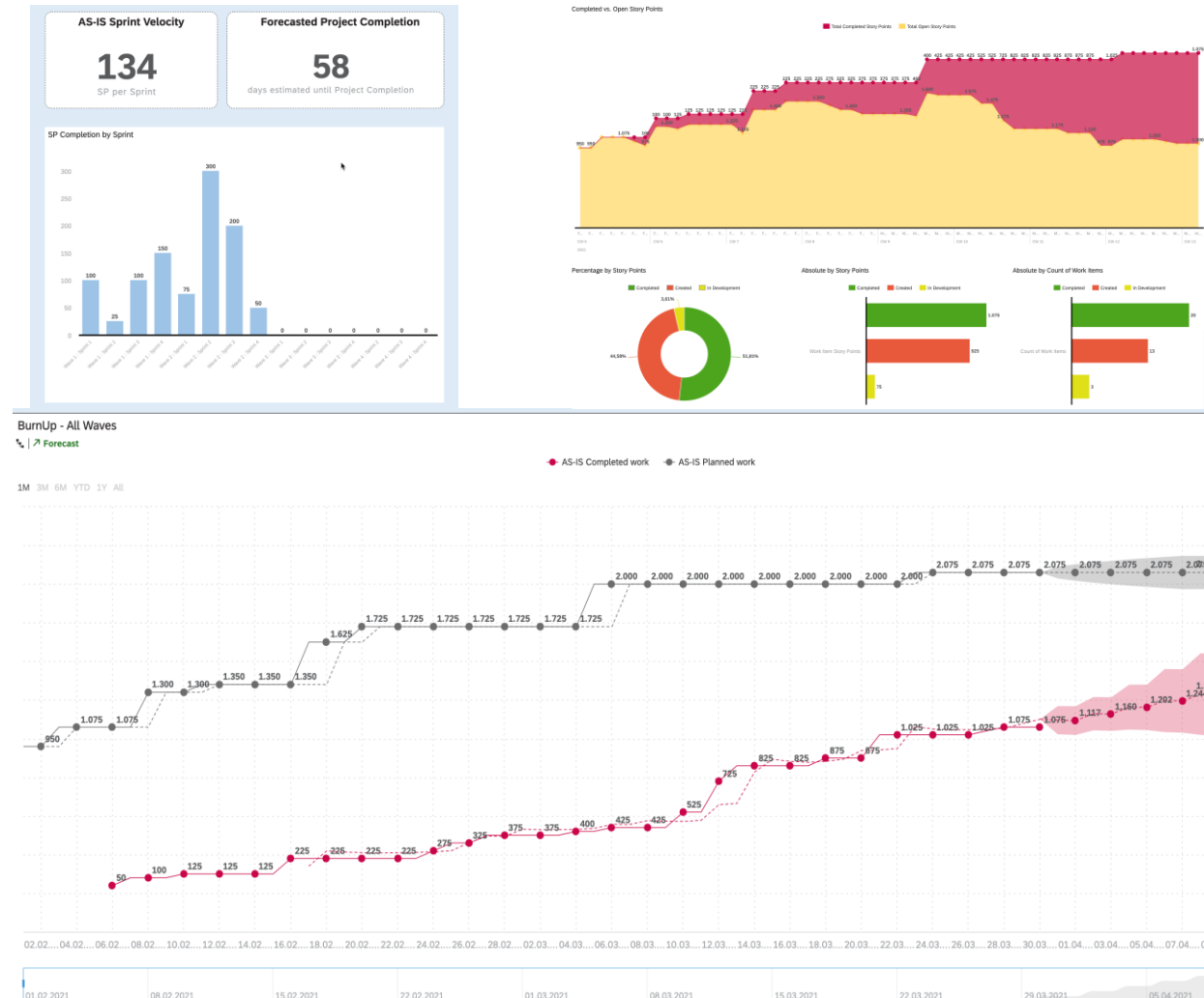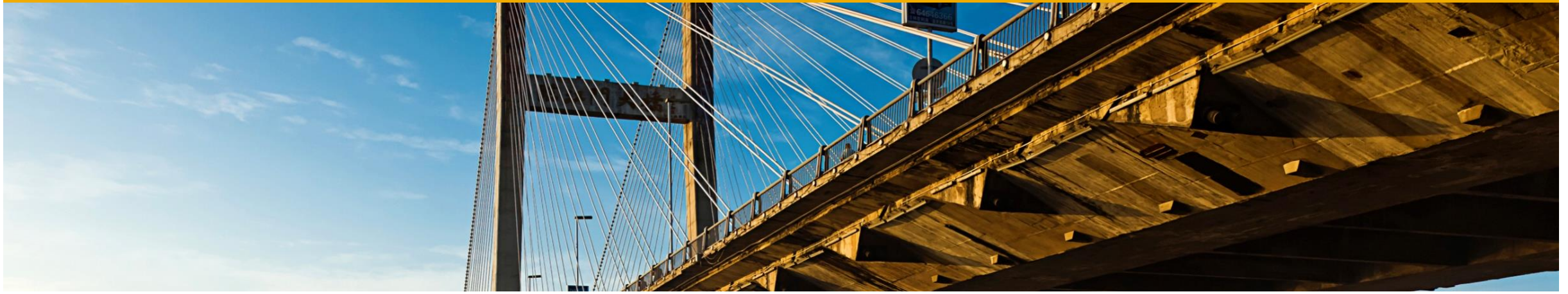
Analytics API Demo

Sharath Shasheendran
ALM Go-to-Market APJ

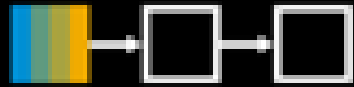# Whitespaces for partners in SAP Cloud ALM

Whitespaces for partners in SAP Cloud ALM

Sharath Shasheendran, ALM India and Partners APJ
Area Product Owner (Partner Topics: SAP Cloud ALM)

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THE BEST RUN **SAP**

Partner Enablement use cases: Current focus

Content

- ✓ Manual task import
- ▲ Partner methodology and content (plan to prototype with partners through SCF)

Reporting and Analytics

- ▲ Project Success Index (metrics currently being planned)
- ▲ Project success reports (with guidance and recommendations)
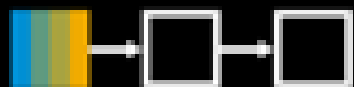- ▲ Daily Report excel export (being planned for reporting)

Extensions

- ▲ Key APIs to be identified (being planned; e.g. Test Automation)
- ▲ Work with key partners to prototype and test the APIs (leverage the SCF)

This is the current state of planning and may be changed by SAP at any time. Partner-specific scenarios may be subject to additional specific collaboration agreements and/or programmatic frameworks, as applicable
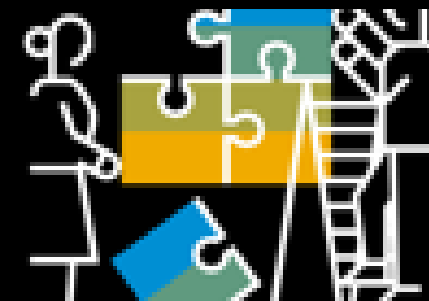
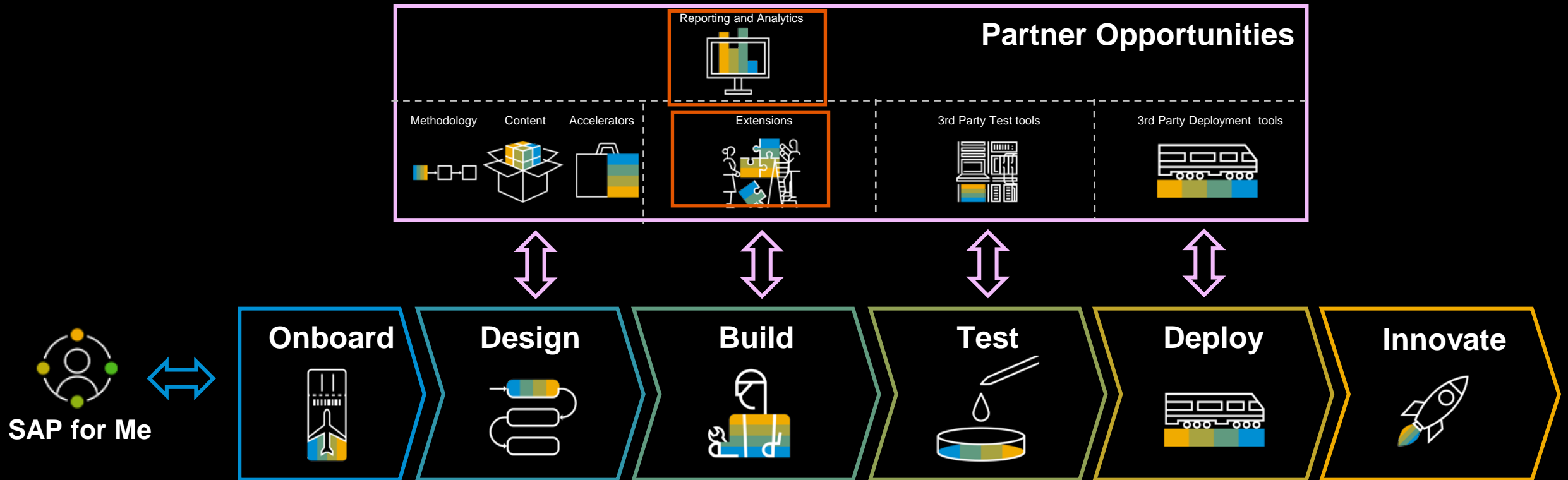# Partner Enablement use cases: Current status

Content

- ✓ Manual task import
- (WIP) Partner methodology and content
- (WIP) Partner Process Content

Reporting and Analytics

- ▲ Project Success Index (metrics currently being planned)
- (WIP) Project success reports (with guidance and recommendations)
- (WIP) Daily Report excel export (being planned for reporting)
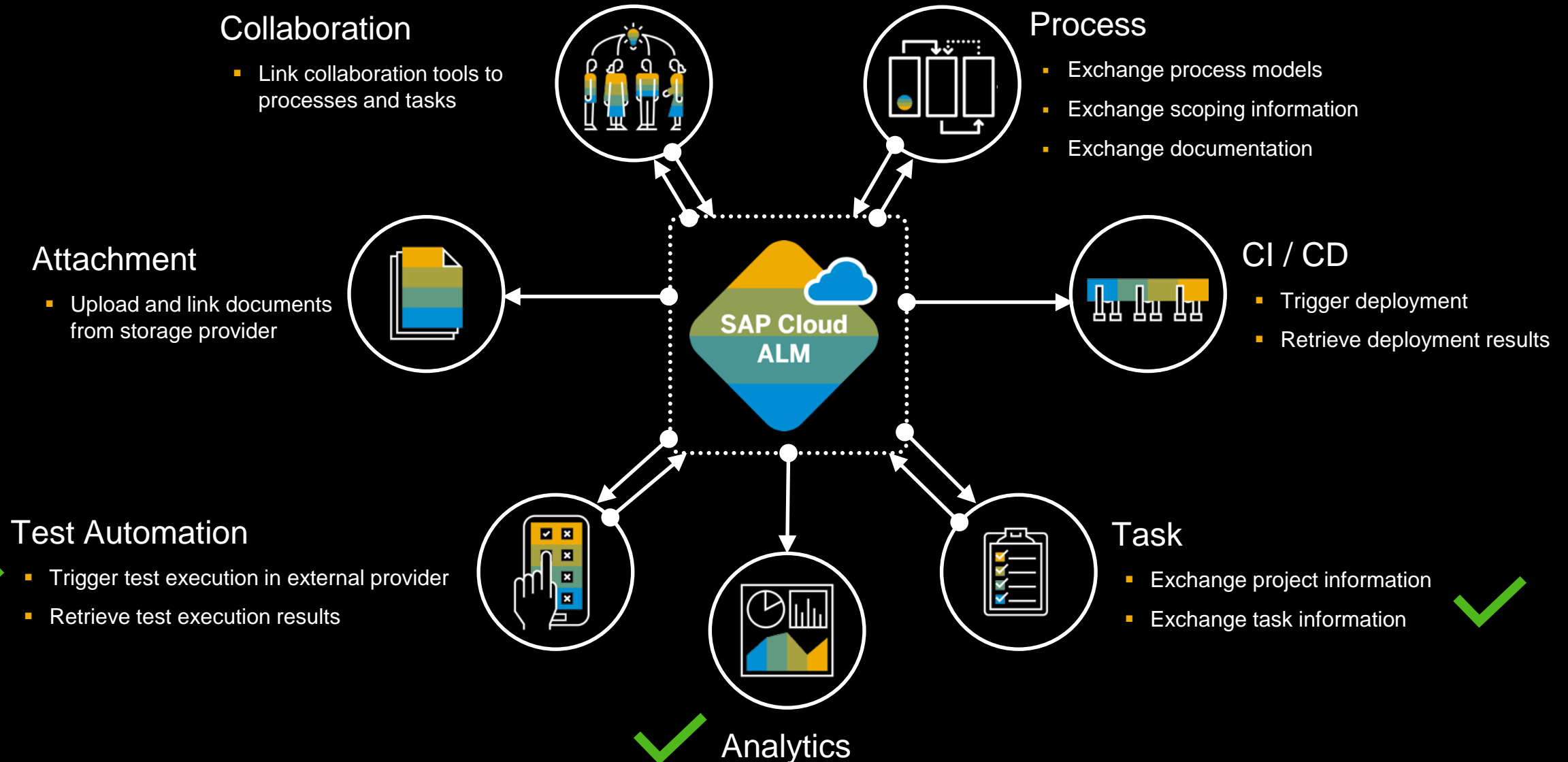
Extensions

- ✓ Key APIs to be identified (e.g. Task, Projects, Analytics)
- (WIP) Work with key partners to prototype and test the APIs

This is the current state of planning and may be changed by SAP at any time. Partner-specific scenarios may be subject to additional specific collaboration agreements and/or programmatic frameworks, as applicable

SAP Cloud ALM for implementation – Integration possibilities for partners

Partner Opportunities

Reporting and Analytics

Methodology   Content   Accelerators

Extensions

3rd Party Test tools

3rd Party Deployment tools

SAP for Me

**Onboard**   **Design**   **Build**   **Test**   **Deploy**   **Innovate**

SAP Cloud ALM for implementation – APIs Strategy

Collaboration
- Link collaboration tools to processes and tasks

Process
- Exchange process models
- Exchange scoping information
- Exchange documentation

Attachment
- Upload and link documents from storage provider

CI / CD
- Trigger deployment
- Retrieve deployment results

Test Automation
- Trigger test execution in external provider
- Retrieve test execution results

Task
- Exchange project information
- Exchange task information

Analytics

This is the current state of future vision and may be changed by SAP at any time.
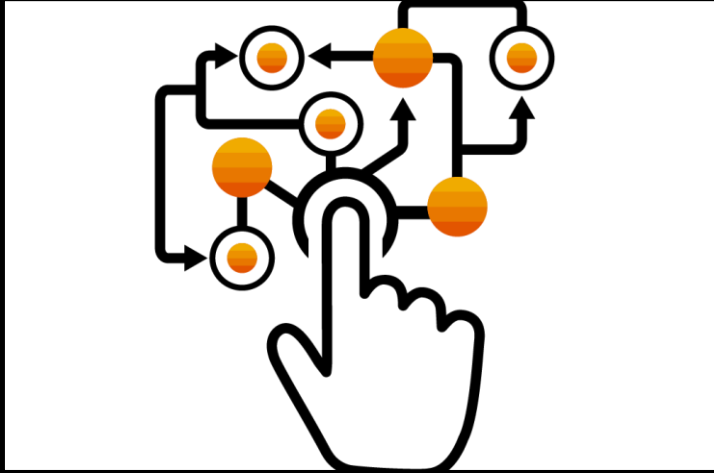
Current available external APIs for SAP Cloud ALM

SAP Cloud ALM APIs make it simple to extend functionalities to provide new features, services and applications for your SAP application lifecycle.

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

Partner Use Cases and possibilities

USE
- Import content
  - Task
  - Process*
- Shared services central reporting
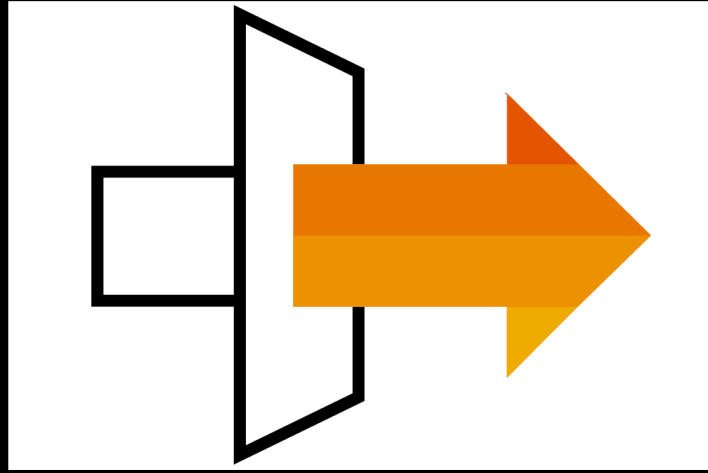
INTEGRATE
- Connect with 3rd Party or proprietary solutions
- Some examples are below
  - Grafana
  - GitHub
  - Rizing Blueline
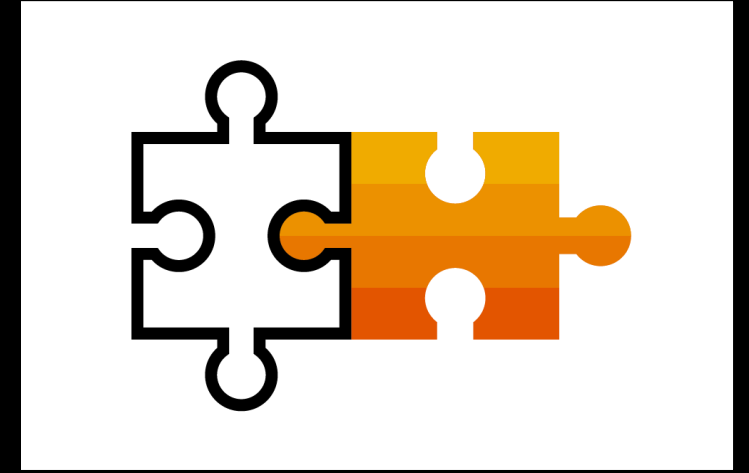
EXTEND
- Whitespaces
  - Document management
  - ITSM

*Process API is planned for later release

Sample Code on Github

Public Github repository with sample code:

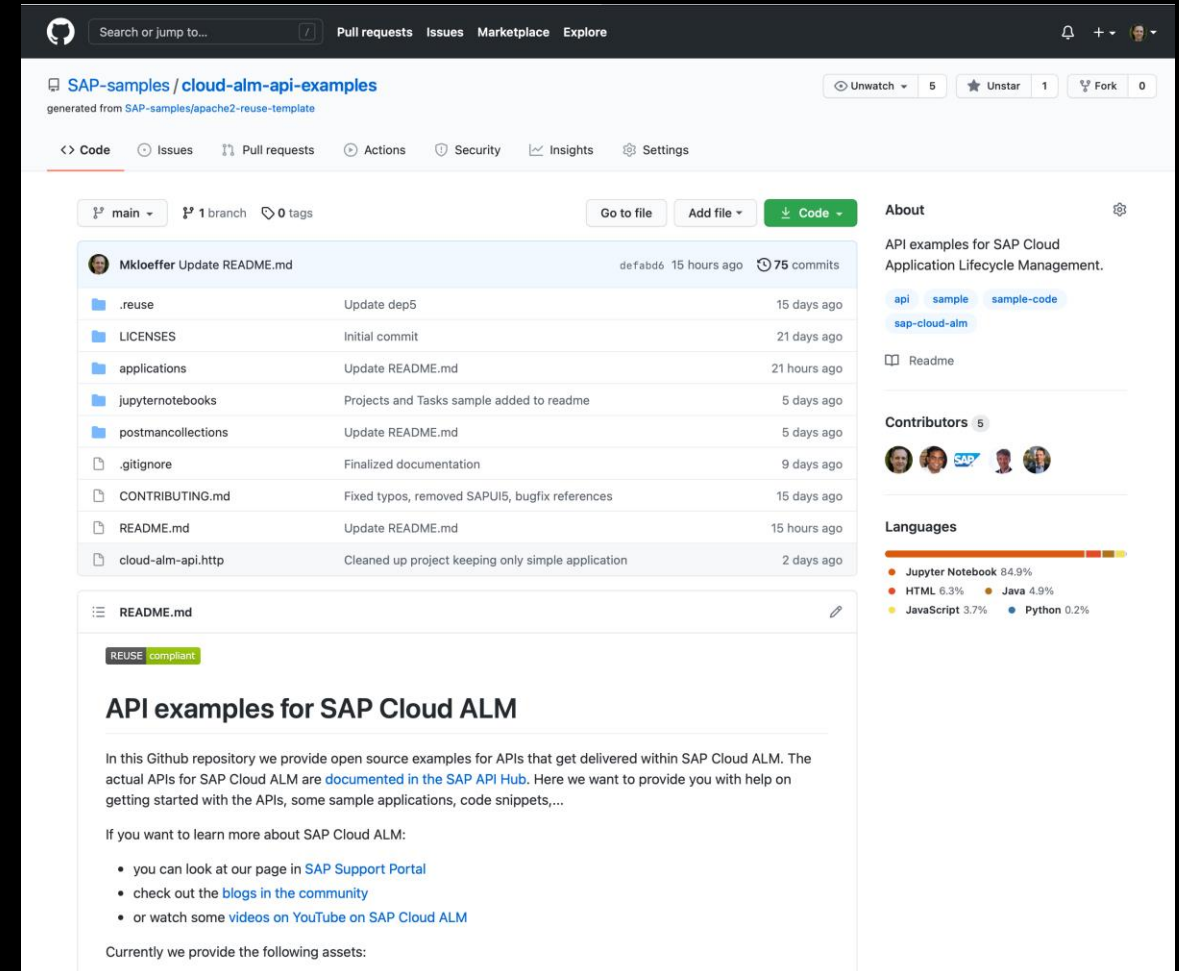- Sample Applications
- Jupyter Notebooks
- Postman Collections

https://github.com/SAP-samples/cloud-alm-api-examples

API specification on the SAP API Hub

https://api.sap.com/package/SAPCloudALM/rest

Outlook 🔭

SAP Cloud ALM: Whitespaces opportunities for partners

Reporting and Analytics

Project Management	Process Management	Task Management	Test Management	Change & Deployment Management

API — 3rd Party OOB Integration with OEM Partners

Partner

Project Mgmt. Tools Integration	Own Business Process Content	Task Mngt. Tools Integration	Test Automation Integration	Deployment Mngt Tools Integration
Resource / Cost	Process Authoring Tools	Own Methodology Content	Perf/Security Automation Integration	
Use case Based Reporting	Training & Enablement	Use case Based Reporting		

Integration to Collaboration Tools (Chat, Meeting, etc)

Legend

Whitespace Partner Opportunities

Attribution:

The whitespaces mentioned here are based on design thinking workshop conducted and with feedback gathered from ALM practitioners and users of ALM capabilities

SAP Cloud ALM: Whitespaces being prototyped by partners

Reporting and Analytics

Project Management	Process Management	Task Management	Test Management	Change & Deployment Management

API — 3rd Party OOB Integration with OEM Partners

Partner

Project Mgmt. Tools Integration	Own Business Process Content	Task Mngt. Tools Integration	Test Automation Integration	Deployment Mngt Tools Integration
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Legend

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RBEI Solution using Cloud ALM APIs

Task Tracking
- MS Teams Integration for Improved Collaboration
- Alerting in MS Teams when the Due date Nearing
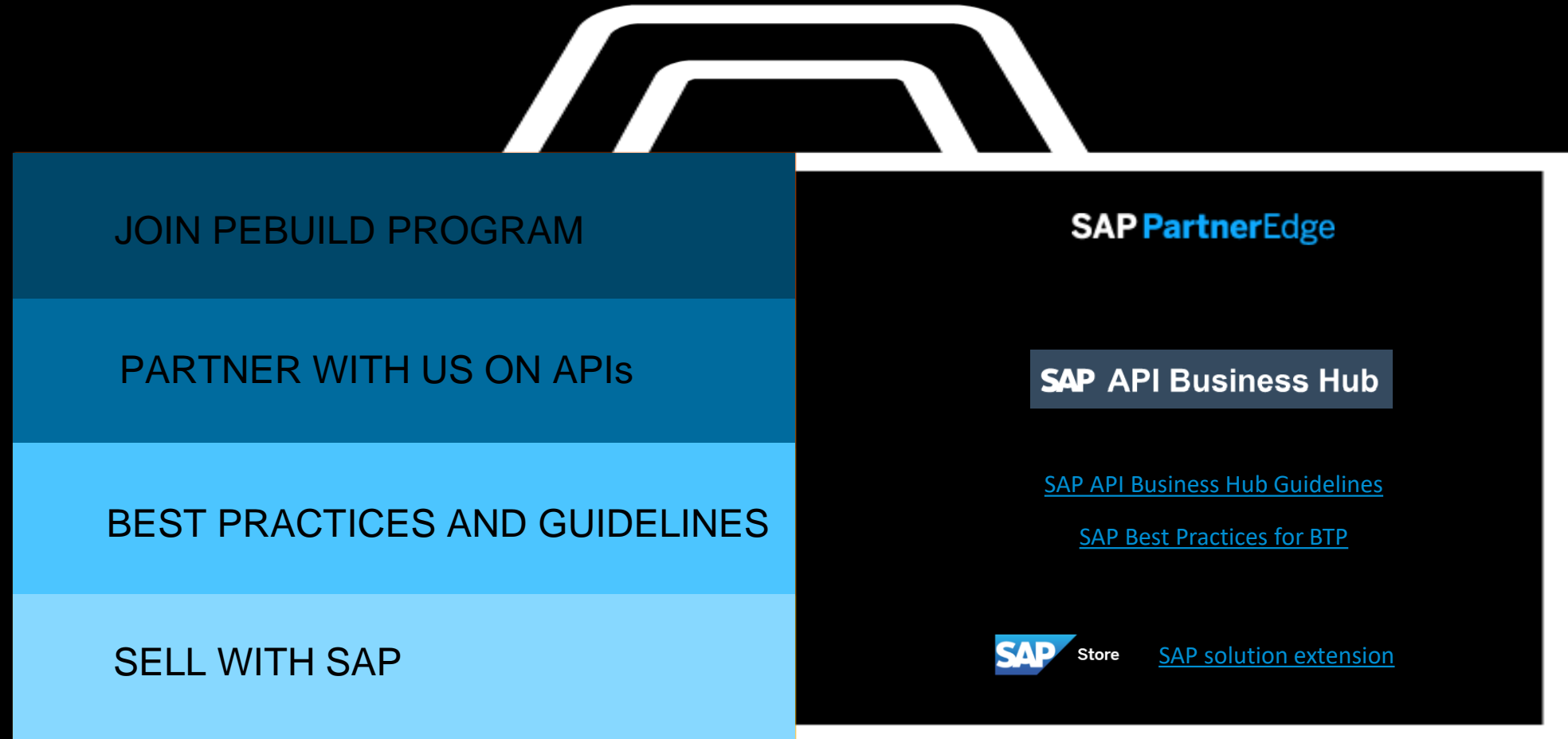- Alerting in MS Teams when Test Case is failed

Change Approval Process
- Defined Work Flow Process via MS Teams Task Planner
- Auto Task Status Change based on Approval
- In email approval Process
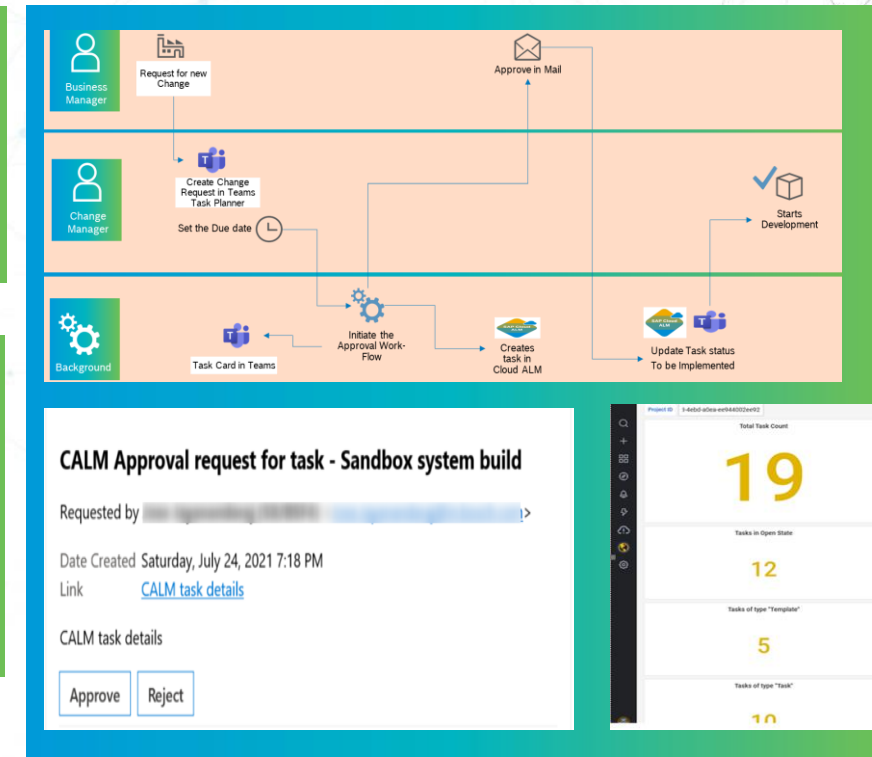
Business Value
- Efficient Project Tasks Management
- Improved Project Team Collaboration
- Faster Response & Resolution Time
- Transparency with Real time Unified Dashboard

CALM Approval request for task - Sandbox system build
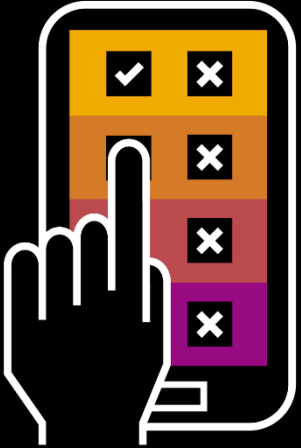
Requested by

Date Created Saturday, July 24, 2021 7:18 PM

Link CALM task details

CALM task details

Approve Reject

Total Task Count 19

Tasks in Open State 12

Tasks of type "Template" 5

Tasks of type "Task" 10

BOSCH

Call to actions

JOIN PEBUILD PROGRAM

PARTNER WITH US ON APIs

BEST PRACTICES AND GUIDELINES

SELL WITH SAP

SAP PartnerEdge

SAP API Business Hub

SAP API Business Hub Guidelines

SAP Best Practices for BTP

SAP Store   SAP solution extension

Contact us to get going!!!
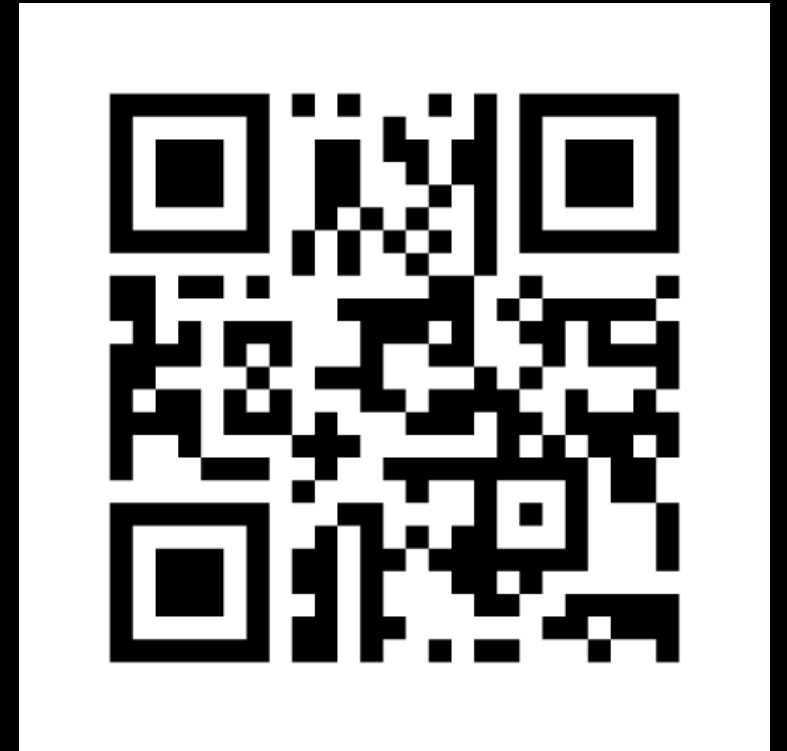
Thank You!

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Thank you.

David Birkenbach

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solutions - Lead EMEA/MEE @ SA...

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