

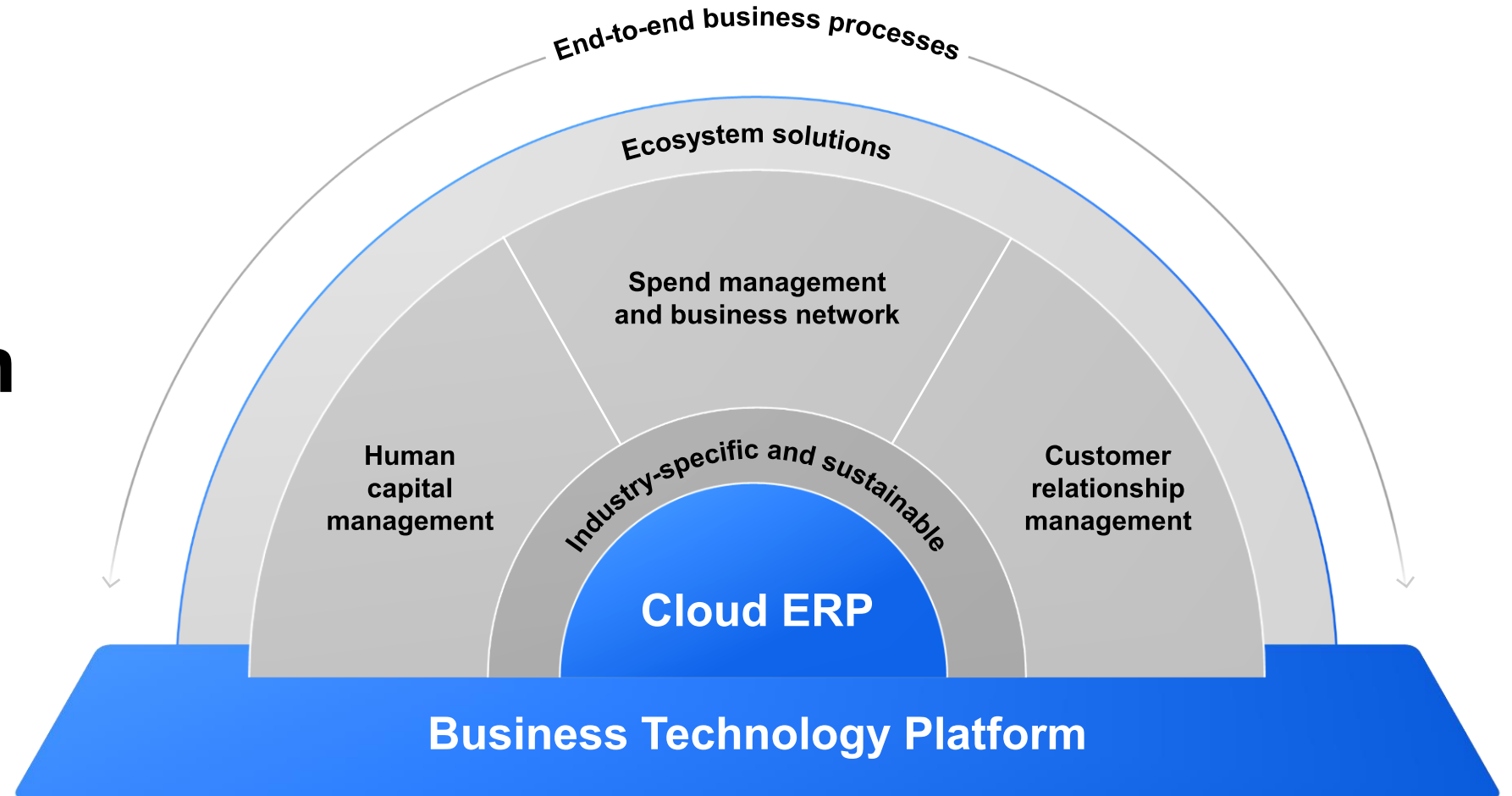


# The Universe of SAP BTP in a Nutshell – **Application Operations** with SAP BTP

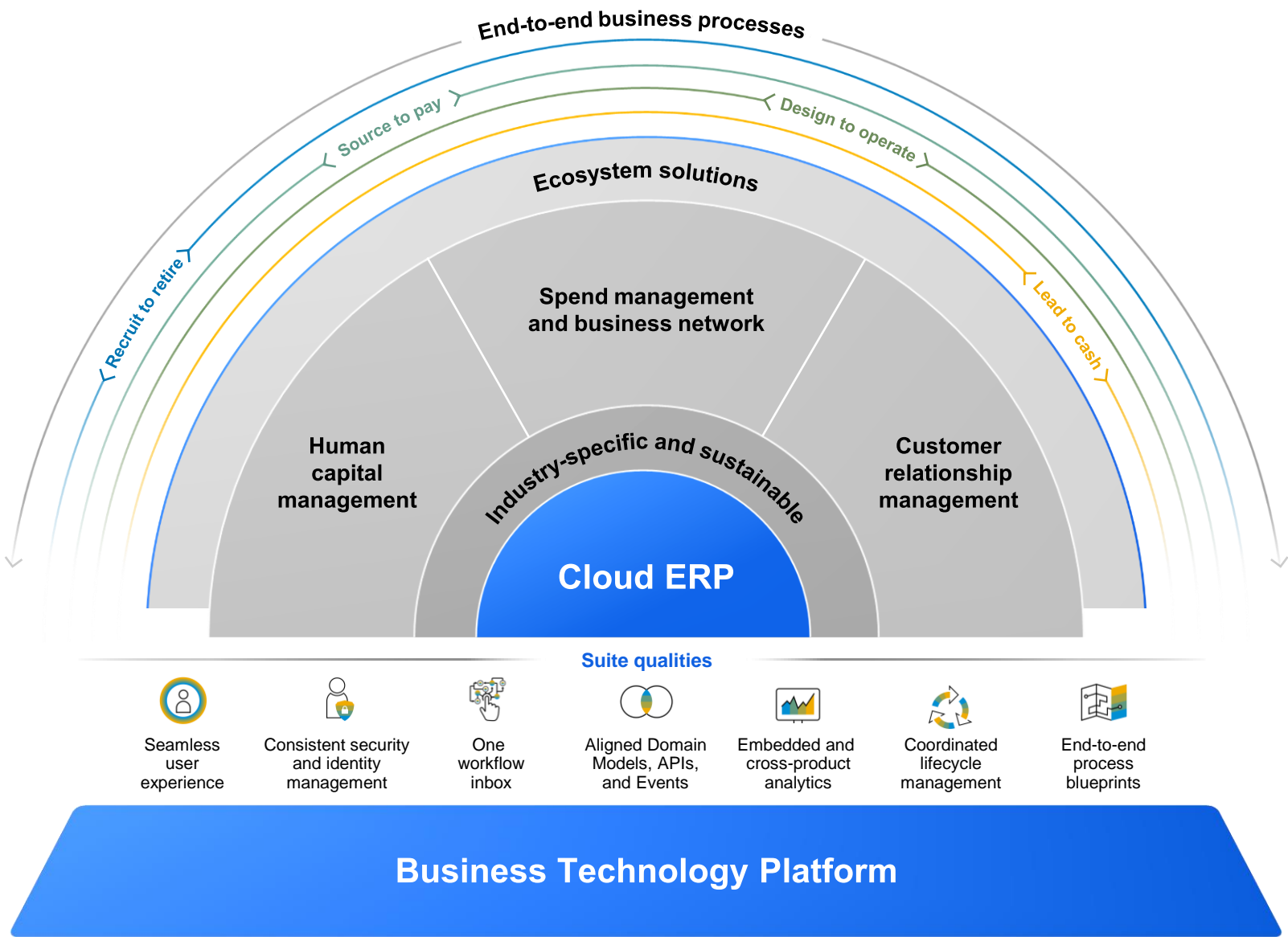
Boris Zarske, Harald Stevens, Biser Simeonov – SAP

Public

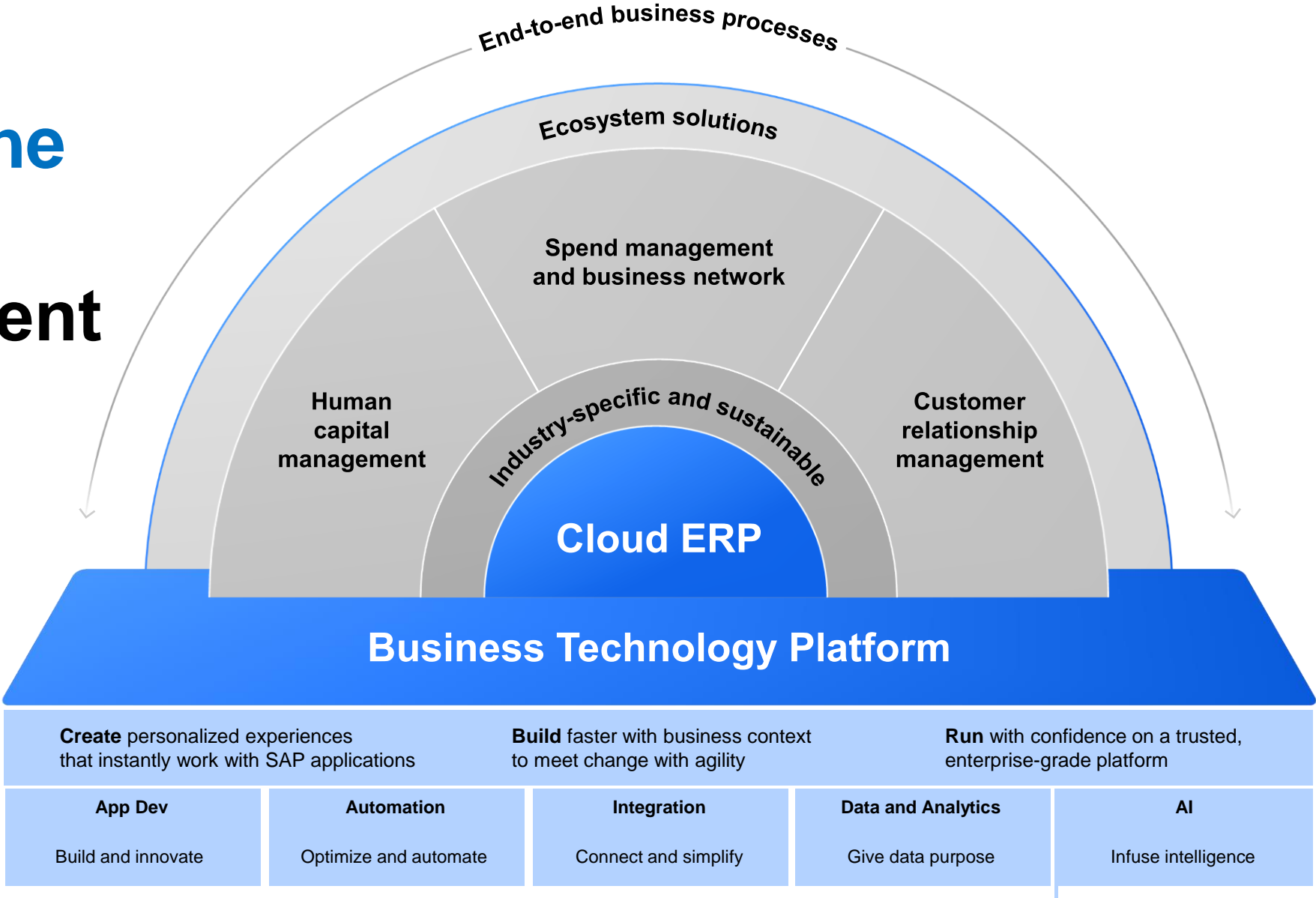
Enable every  
enterprise  
to become an  
**intelligent,  
sustainable  
enterprise**




# Intelligent enterprises are integrated enterprises



SAP BTP is the foundation of the Intelligent Sustainable Enterprise

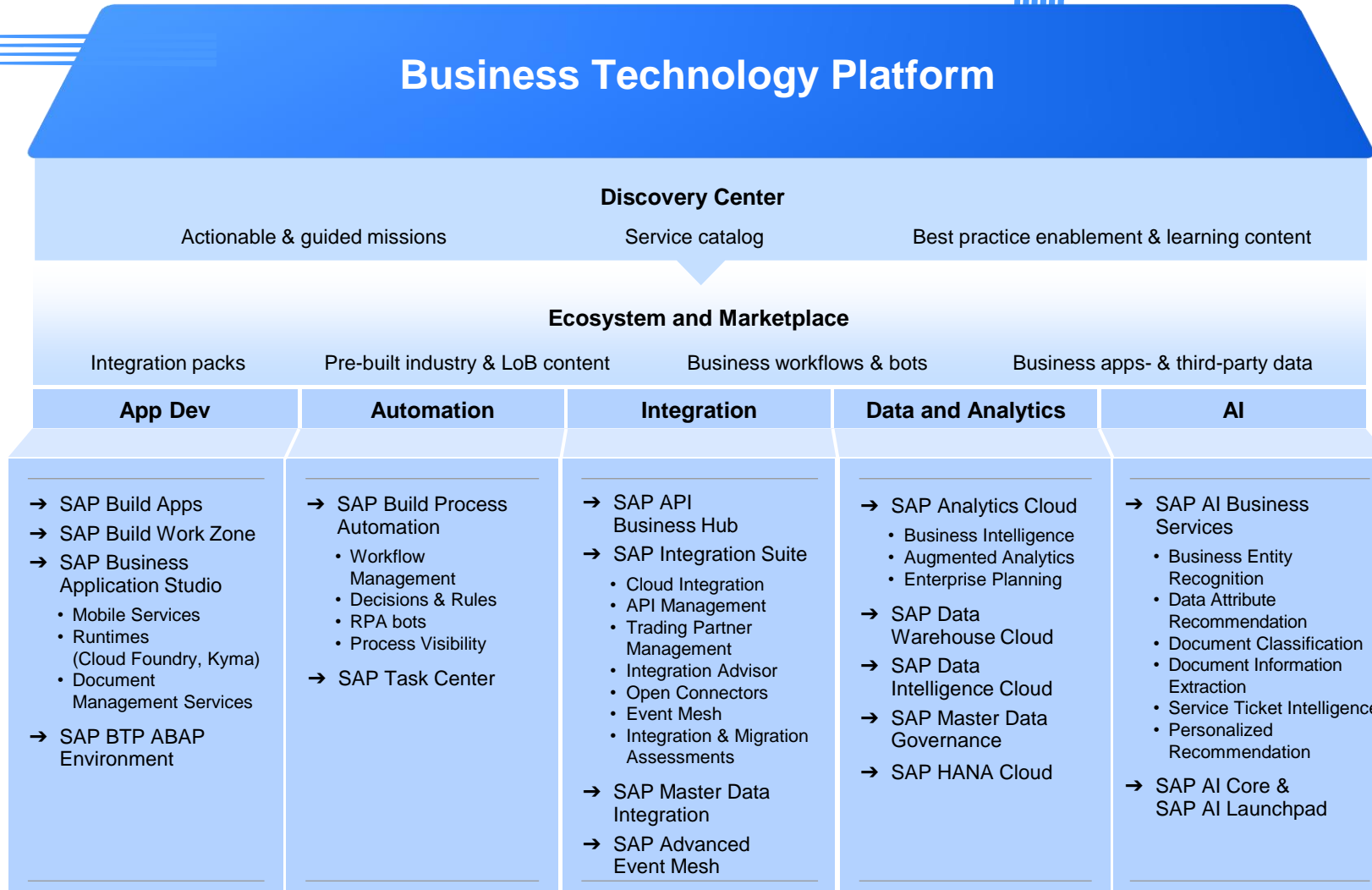


# SAP BTP Cloud Services



**Enterprise readiness with holistic lifecycle management**

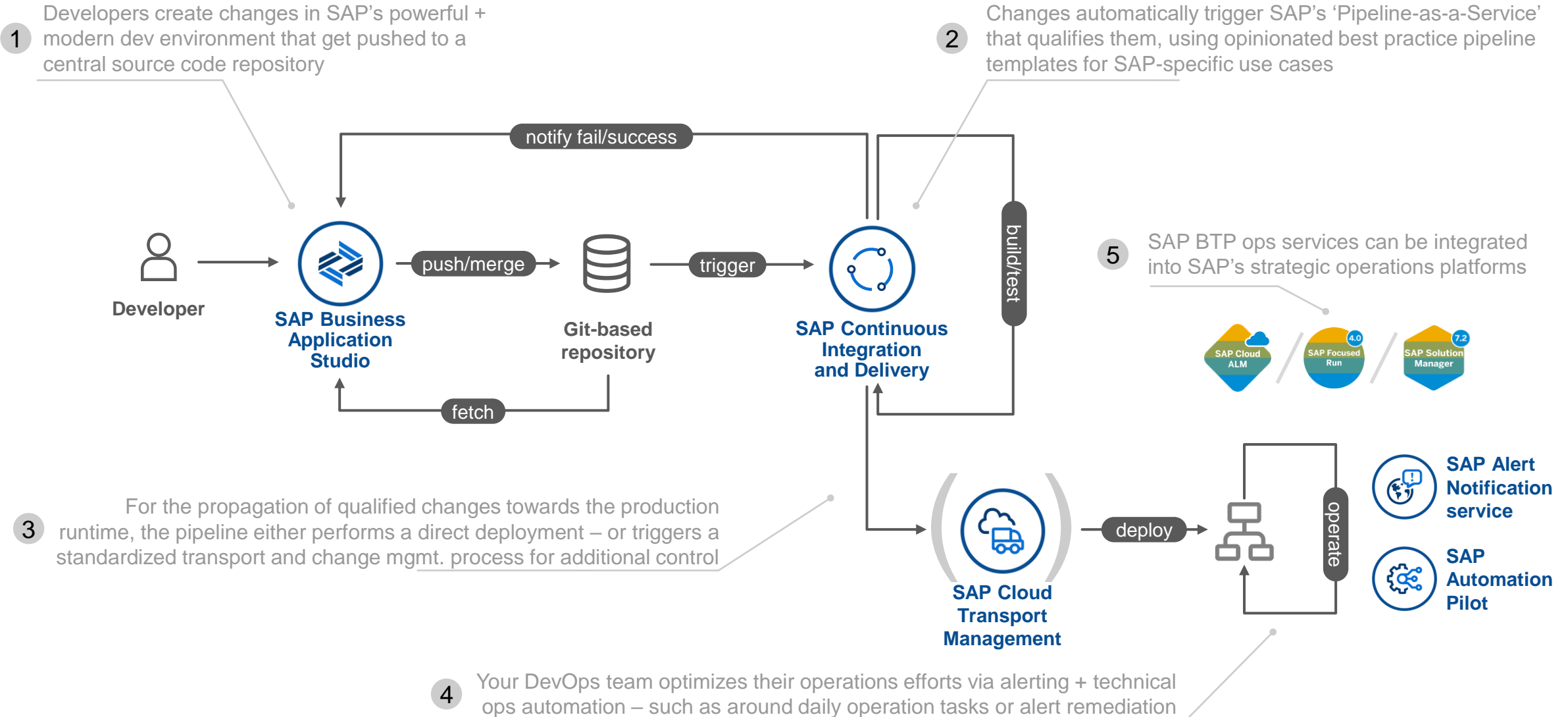
- Change and deployment management
- Technical ops automation
- Alerting
- Smooth integration option into existing ALM processes



**Enterprise security services and hybrid identity & access management**

- Cloud identity services
- Risk & compliance
- Secure development

# Agile lifecycle of your apps on SAP BTP





# The Open Space of Application Operations within SAP BTP

Our companion webcast series to the *The Universe of SAP Business Technology Platform in a Nutshell* will provide a deep dive in the SAP BTP services and approaches that can help to reduce your efforts for operating your applications reliably on SAP BTP – standalone or as part of overarching Application Lifecycle Management process.

Join us!!

# Our Series Agenda

## The Americas: 10:00 EST (07:00am PST | 16:00 CET)

[Expand](#)

- ✓ DevOps with SAP BTP – April 20th, 2023 at 10:00 AM EST
- ✓ Integrate SAP Cloud Transport Management into Application Lifecycle Management solutions – April 27th, 2023 at 10:00 AM EST
- ✓ Cloud App + SAP HANA Cloud: How to use SAP Alert notification and SAP Automation Pilot for a Synthetic Monitoring – May 11th, 2023 at 10:00 AM EST
- ✓ Monitoring, alerting and remediations on failed messages / events in SAP Event Mesh for your Cloud App – May 25th, 2023 at 10:00 AM EST
- ✓ SAP HANA Cloud: recurrent monitoring and an automated status report generation – June 1st, 2023 at 10:00 AM EST

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[The Open Space of Application Operations within SAP BTP Webcast Series](#)

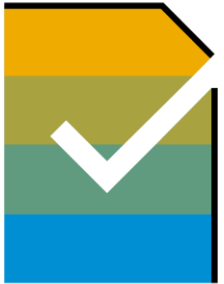


**Session 01 (April 20<sup>th</sup>)**

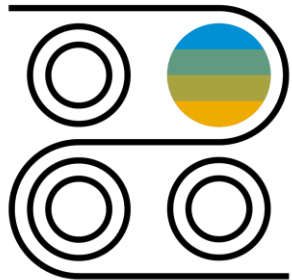
# **DevOps with SAP BTP**



# The goal of continuous delivery



Build quality in



Faster deployment



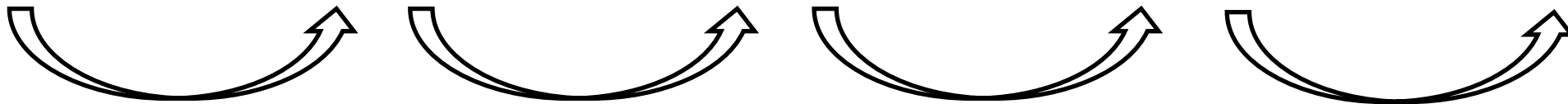
Faster feedback



Better software



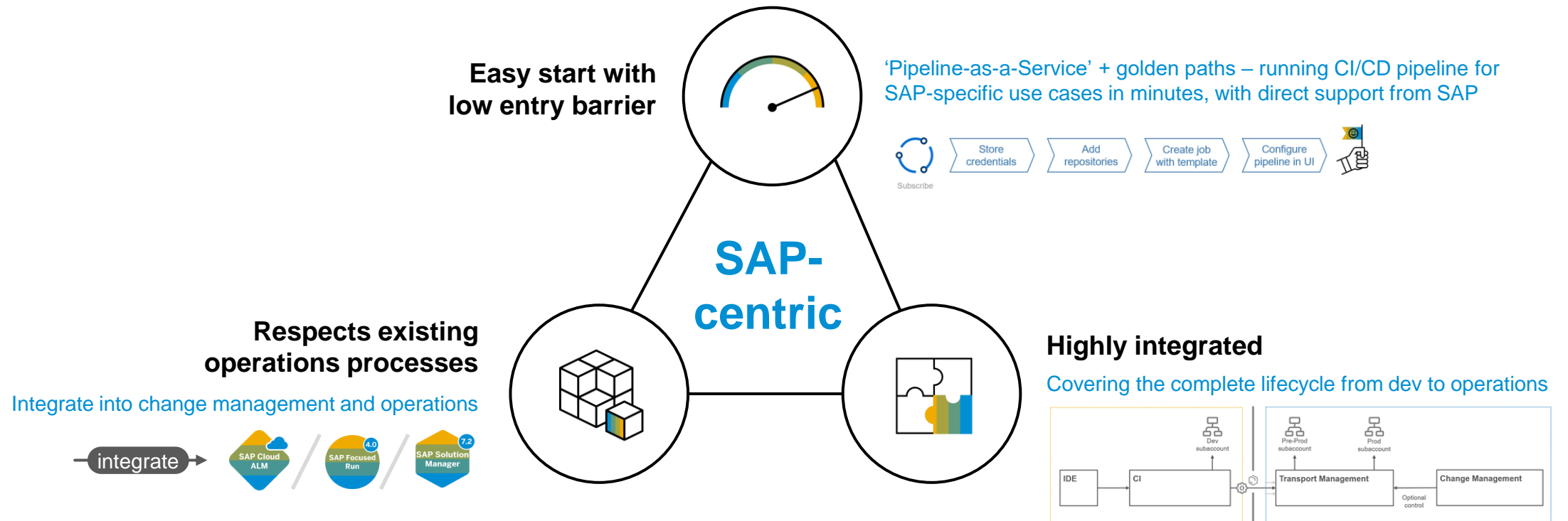
Happier customer



# DevOps with SAP BTP

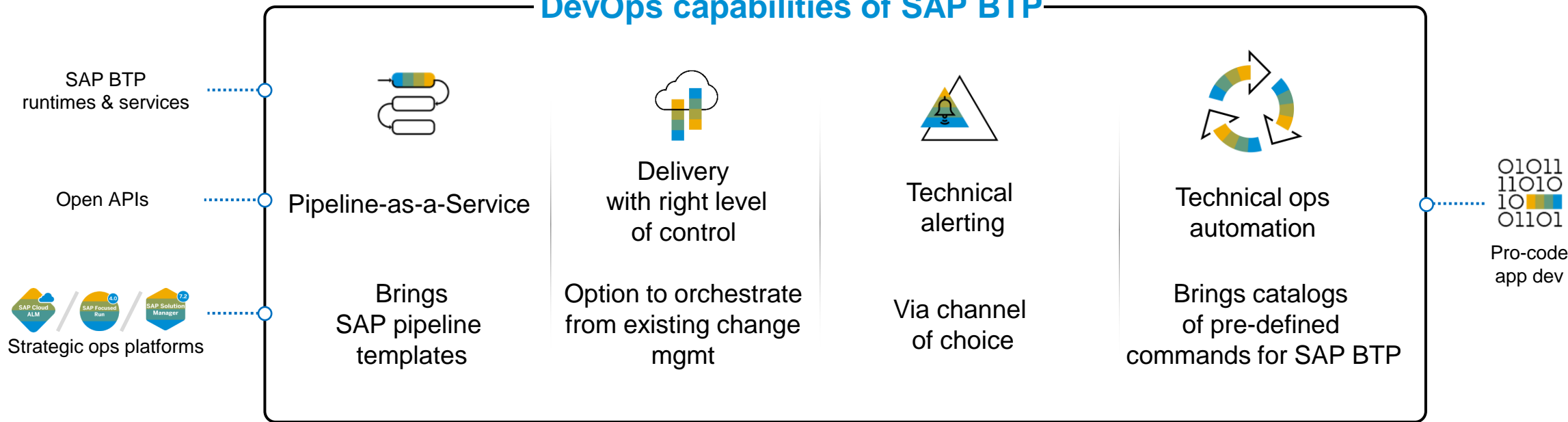
Benefit from opinionated approach focused on SAP-centric scenarios

SAP BTP makes it easy to benefit from general DevOps principles for your apps running on SAP BTP, as part of your cloud transformation



# DevOps with SAP BTP

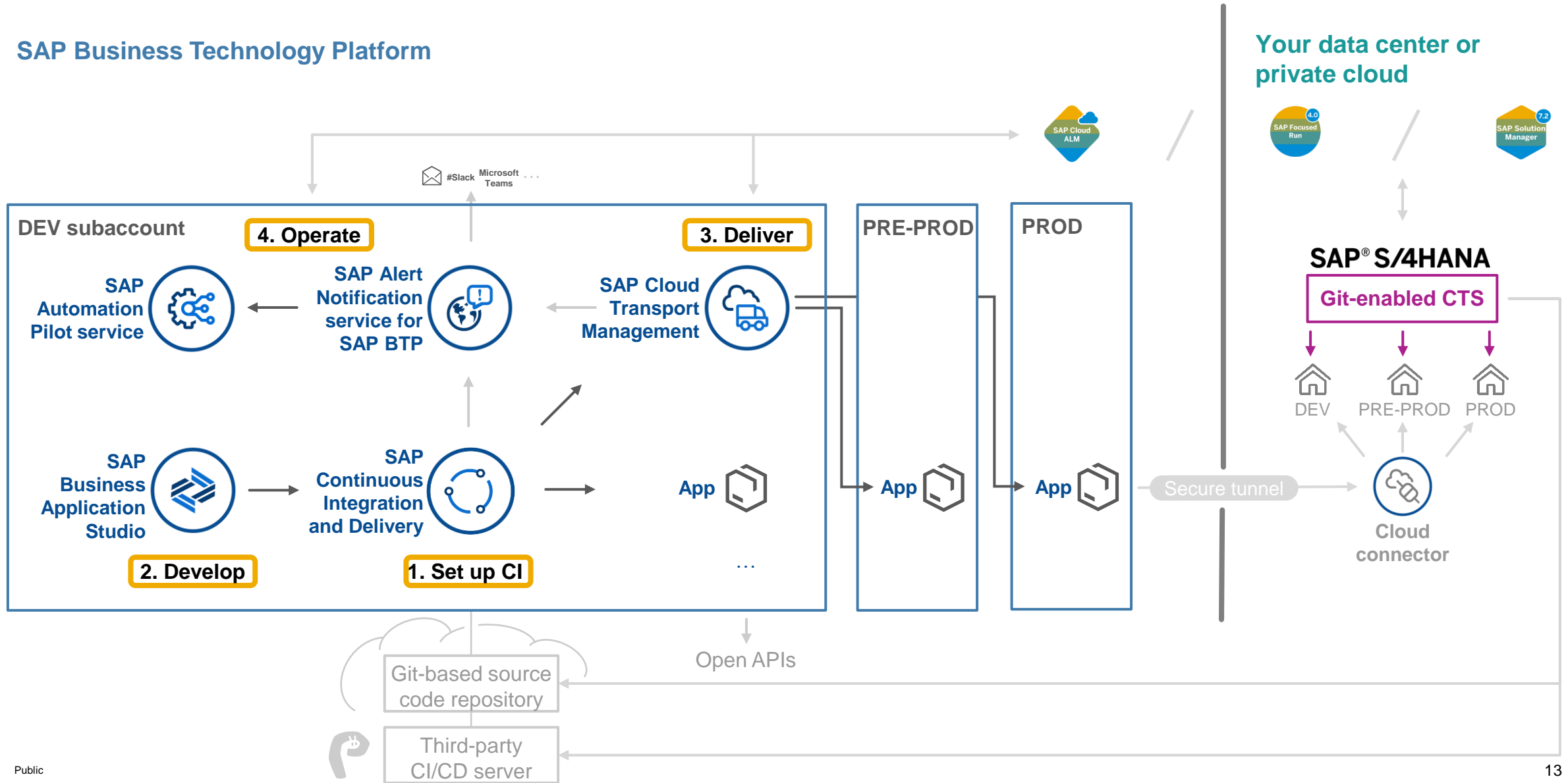
## DevOps capabilities of SAP BTP



Benefit from **opinionated approach** focused on **SAP-centric** scenarios

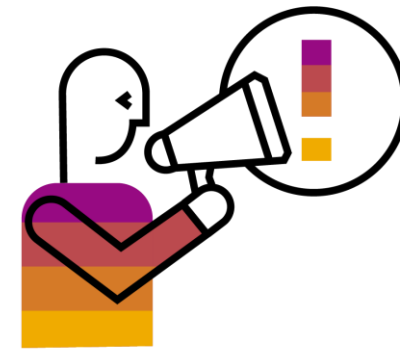
# Recommended setup to **develop and run** hybrid SAP apps with DevOps

## SAP Business Technology Platform





# DevOps with SAP BTP



What you can expect:

- [Motivation](#) for and [definition](#) of DevOps
- How does [SAP BTP's approach for DevOps](#) look like
  - How you, as administrator, [establish](#) the right [boundary conditions](#) for your dev teams to benefit from the agile approach also in [enterprise environments](#)
  - [Latest news](#)
  - What [benefits](#) DevOps with SAP BTP does offer [for existing customers](#)
- How you can make [first steps](#)

Interested? Then join the session [DevOps with SAP BTP](#) on April 20<sup>th</sup>

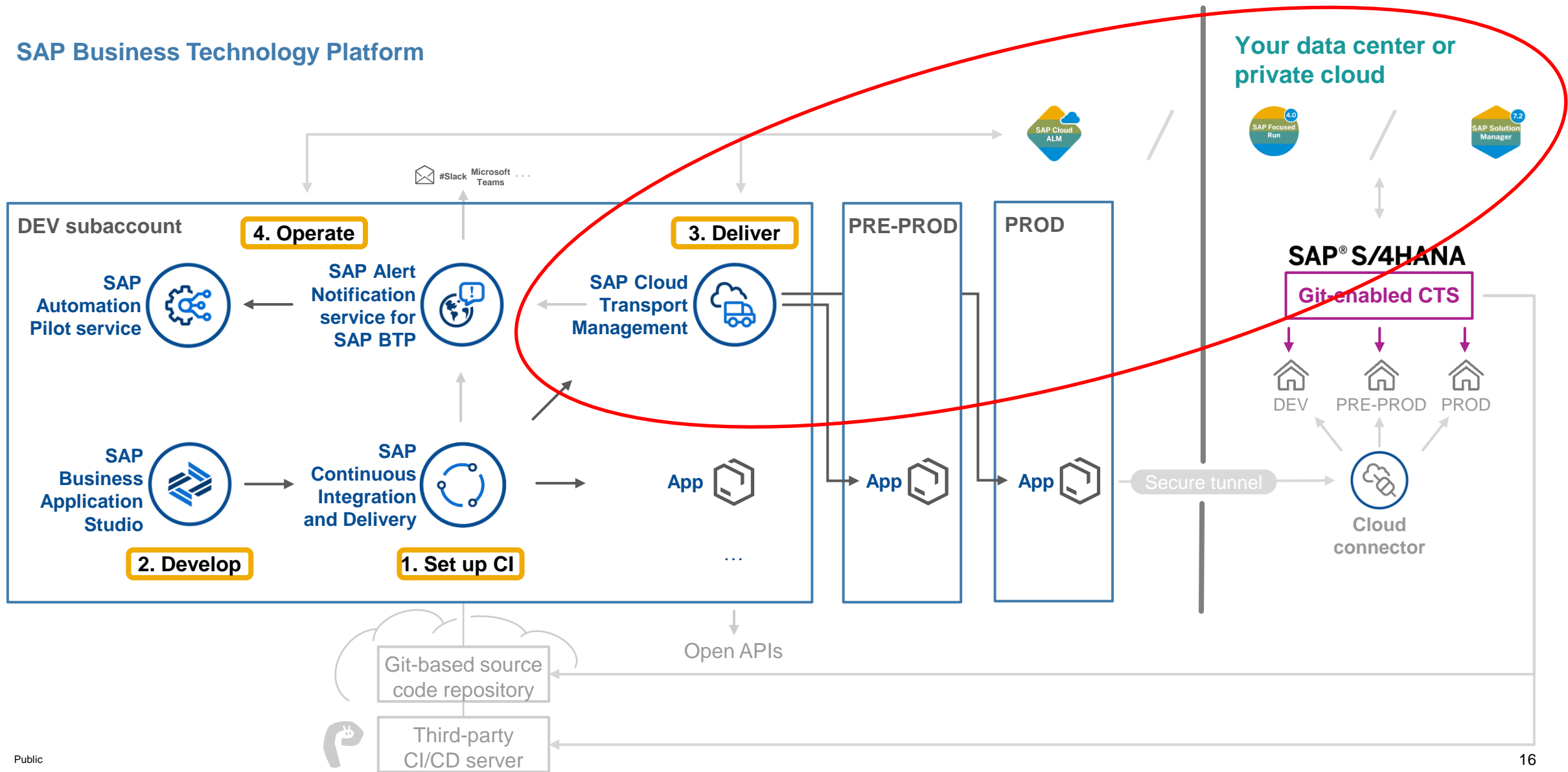
**Session 02 (April 27<sup>th</sup>)**

# **Integrate SAP Cloud Transport Management into Application Lifecycle Management solutions**



# Focus of session on SAP Cloud Transport Management integration with ALM


## SAP Business Technology Platform



# Content preview

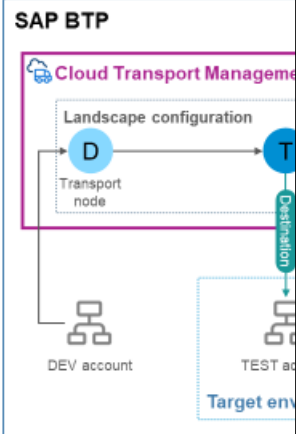
## SAP Cloud Transport Management service

Add additional control for your delivery to production



Cloud-based

### SAP BTP



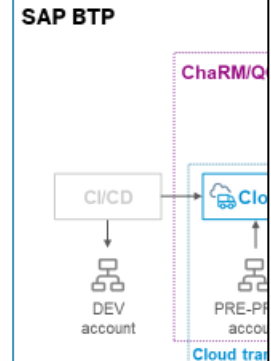
DEV account TEST account

Target env

Public

## Holistic Picture and Positioning of Transport and Change Management

Integrate cTMS and CTS+ with Change Management on SAP Solution Manager



CI/CD

DEV account

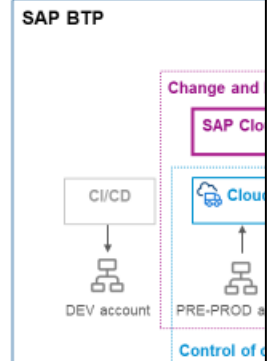
PRE-PROD account

Cloud transport

Public

## Deliver your changes toward production

Holistic picture of delivery approaches – with SAP Cloud ALM



CI/CD

DEV account

PRE-PROD account

Cloud transport

Control of c

Public

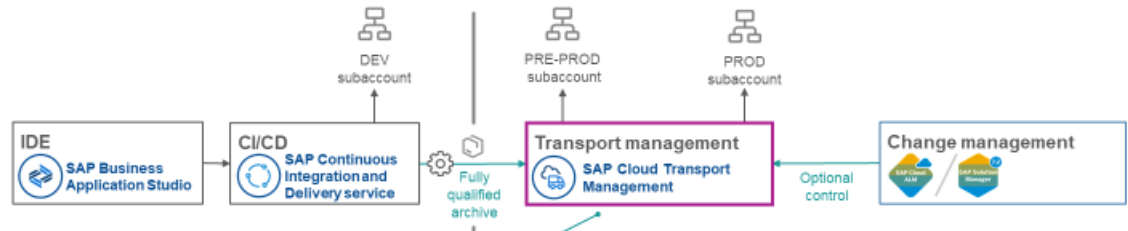
## Option to add additional control with transport and change management

### Development landscape

- Based on *continuous integration* principles
- Managed by DevOps team
- With verification of single developer change
- Typically fully automated

### Delivery landscape

- Based on strict *Change Management* rules (policies, schedules)
- Managed by ops/approvers
- With verification of release candidate version
- Typically done with manual confirmation



IDE SAP Business Application Studio

CI/CD SAP Continuous Integration and Delivery service

Fully qualified archive

Transport management SAP Cloud Transport Management

Change management

Optional control

DEV subaccount

PRE-PROD subaccount

PROD subaccount

Public

Cloud-based transport mgmt solution for your cloud changes – improved auditability, separation of concerns, to regain control  
Transport in Neo + Cloud Foundry environments of both dev artifacts (MTA archives) and app content, across global accounts  
Highly integrated today – automated hand-over from pipeline, optional integration into change management; open APIs

# Integrate cTMS into ALM solutions



What you can expect:

- Brief overview on SAP Cloud Transport Management
- Description of integration with
  - SAP Cloud ALM
  - SAP Solution Manager Change Request Management
- Detailed demonstration of a development scenario involving SAP Business Application Studio, SAP Continuous Integration and Delivery, SAP Cloud Transport Management and SAP Cloud ALM

Interested? Join session [SAP Cloud Transport Management](#) on April 27<sup>th</sup>

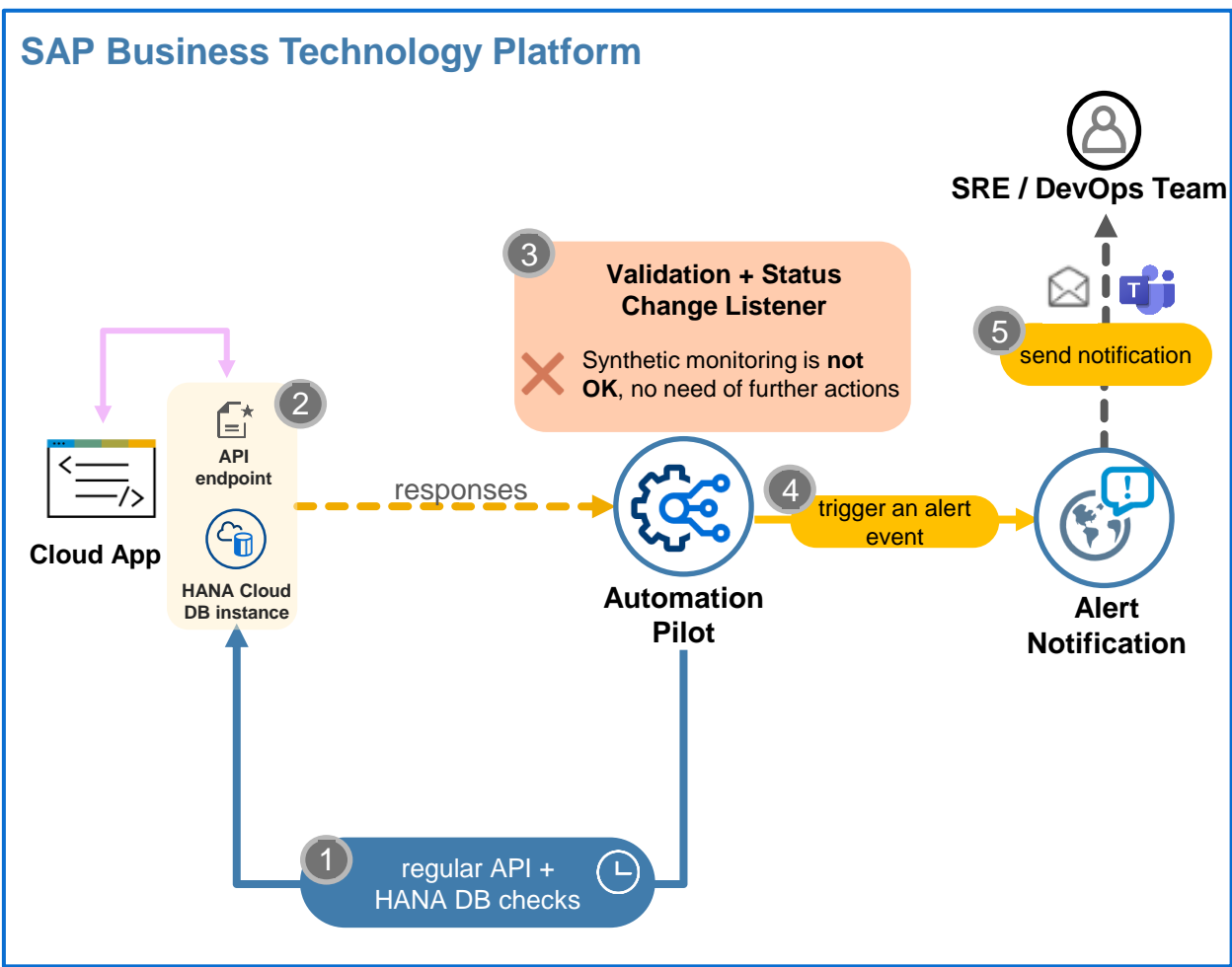
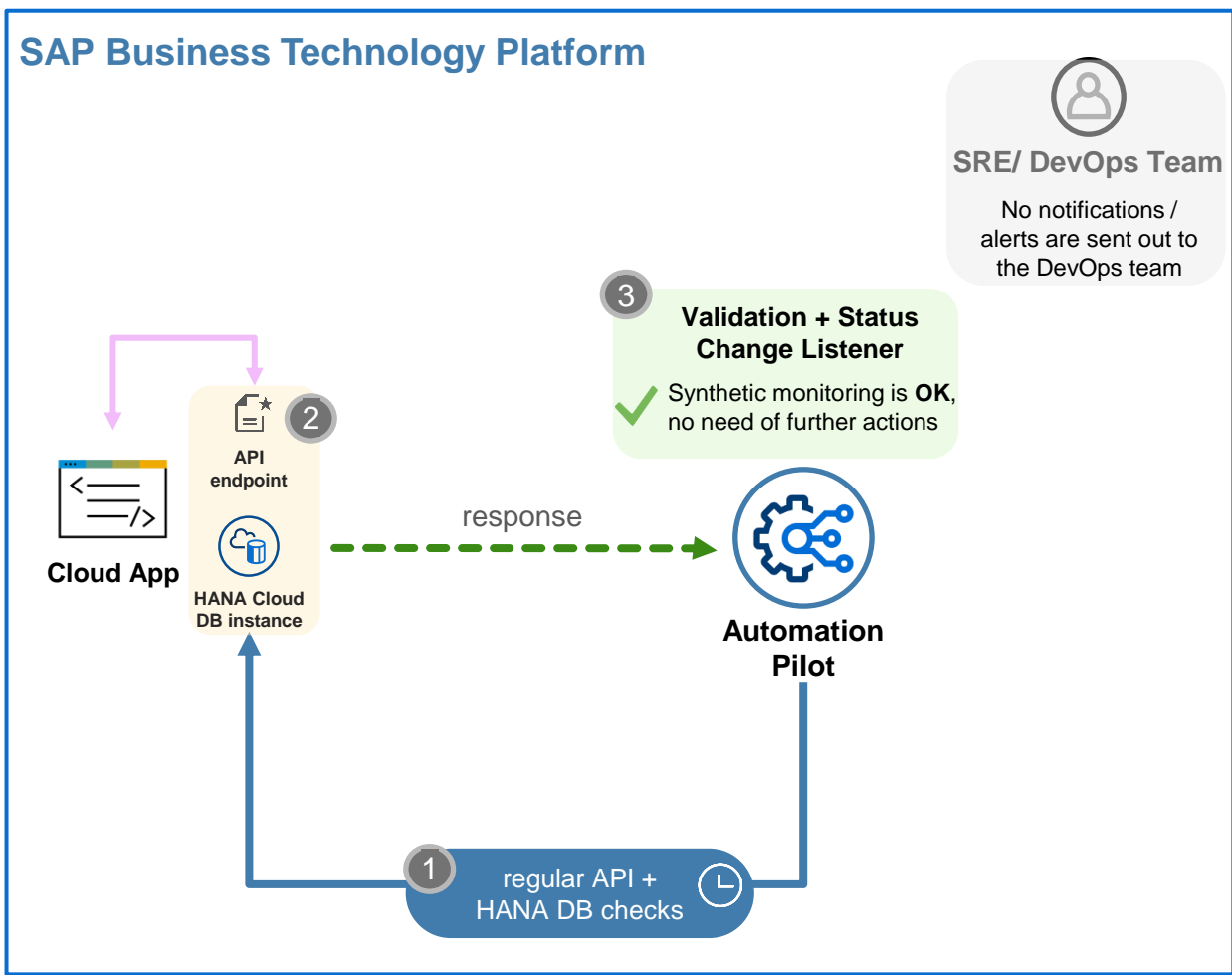


**Session 03 (May 11<sup>th</sup>)**

# **Cloud App + SAP HANA Cloud: How to use SAP Alert Notification and SAP Automation Pilot for a Synthetic Monitoring**



# Cloud App + SAP HANA Cloud: Alert Notification and SAP Automation Pilot for a Synthetic Monitoring



# Cloud App + SAP HANA Cloud: use alerts and ops automation



What you can expect:

- Introduction of SAP Automation Pilot provided command for executing SQL statements in SAP HANA Cloud
- Overview of SAP Automation Pilot commands for validating API results (including results validation and command's status change listener)
- Introduction of Alert Notification service APIs (focus on the Producer API)
- Description of integration between:
  - SAP Automation Pilot
  - SAP Alert Notification service
  - SAP HANA Cloud
  - Cloud App on Cloud Foundry runtime
- Detailed demonstration of a scenario involving SAP HANA Cloud, SAP Alert Notification service, SAP Automation Pilot and Microsoft Teams covering the needs of setting up a robust synthetic monitoring for a Cloud App running on Cloud Foundry.

Interested? Then join the session [Synthetic Monitoring](#) on May 11<sup>th</sup>

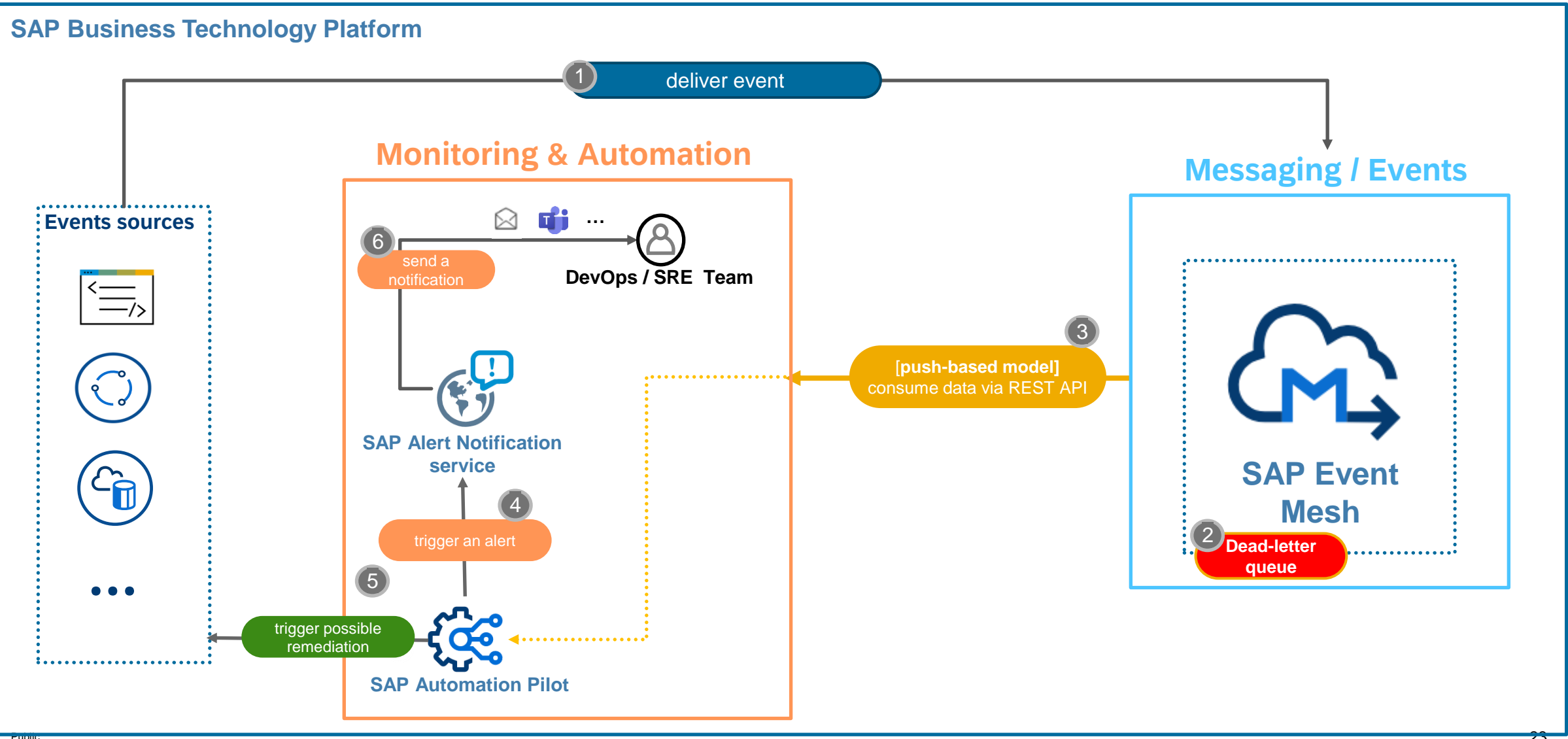
**Session 04 (May 25<sup>th</sup>)**

# **Monitoring, alerting and remediations on failed messages / events in SAP Event Mesh for your Cloud App**



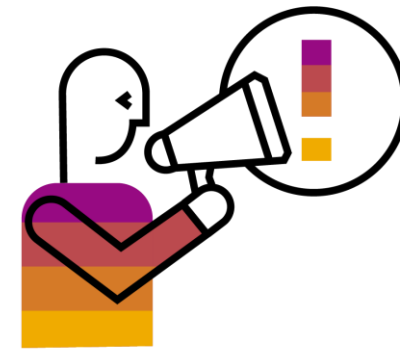


# Monitoring, alerting and remediations on failed messages / events in SAP Event Mesh for your Cloud App





# Monitoring, alerting and remediations for SAP Event Mesh



What you can expect:

- Brief overview on SAP Alert Notification service and SAP Automation Pilot
- Introduction of SAP Event Mesh consuming messages from queues and its push-based model and
- Introduction of SAP Automation Pilot consuming messages via REST API
- Description of integration between:
  - SAP Automation Pilot
  - SAP Alert Notification service
  - SAP Event Mesh
  - Cloud App on Cloud Foundry
- Detailed demonstration of a scenario involving Cloud App on Cloud Foundry, SAP Event Mesh, SAP Alert Notification service, SAP Automation Pilot with a possible remediation action towards a cloud app.

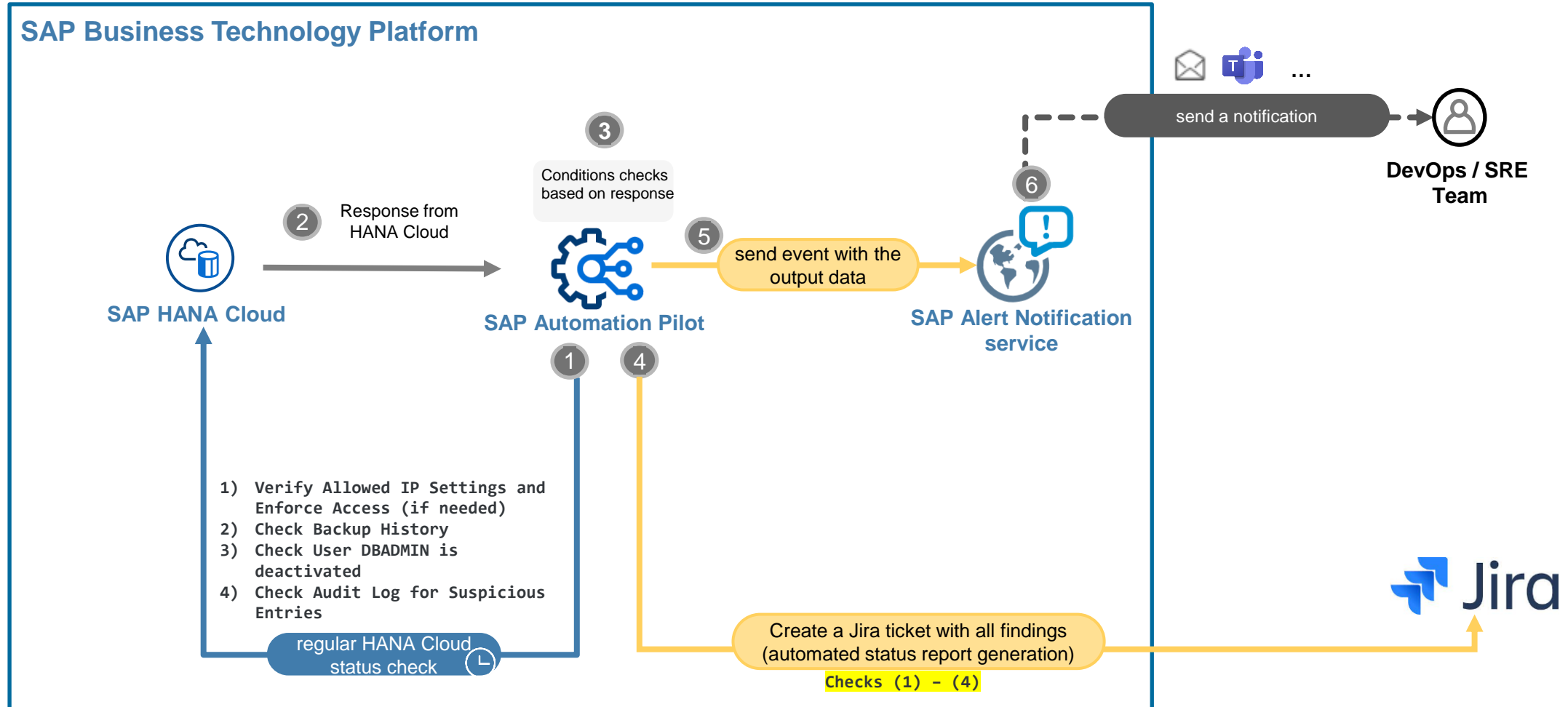
**Interested? Then join the session [Operations in SAP Event Mesh](#) on May 25<sup>th</sup>**

**Session 05 (June 01<sup>st</sup>)**

# **SAP HANA Cloud: recurrent monitoring and an automated status report generation**



# SAP HANA Cloud: Recurrent monitoring and an automated status report generation



# SAP HANA Cloud: recurrent monitoring + status report generation



What you can expect:

- Brief overview on SAP Automation Pilot provided commands for interacting with SAP HANA Cloud and Atlassian Jira
- Brief overview on Alert Notification service delivery channels with a focus towards the instant messaging tools .
- Description of integration between:
  - SAP Automation Pilot
  - SAP Alert Notification service
  - SAP HANA Cloud
  - Atlassian Jira
  - Microsoft Teams
- Detailed demonstration of a development scenario involving SAP HANA Cloud, SAP Alert Notification service, SAP Automation Pilot, Atlassian Jira and Microsoft Teams so that a detailed HANA Cloud status report gets automatically generated and stored in Jira.

**Interested? Then join the session [SAP HANA Cloud: monitoring + statusreport generation](#) on June 01<sup>st</sup>**

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- ✓ SAP HANA Cloud: recurrent monitoring and an automated status report generation – June 1st, 2023 at 10:00 AM EST

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[The Open Space of Application Operations within SAP BTP Webcast Series](#)



# Thank you.

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