

Get an Overview and Future Road Map of SAP BTP, ABAP Environment

Public

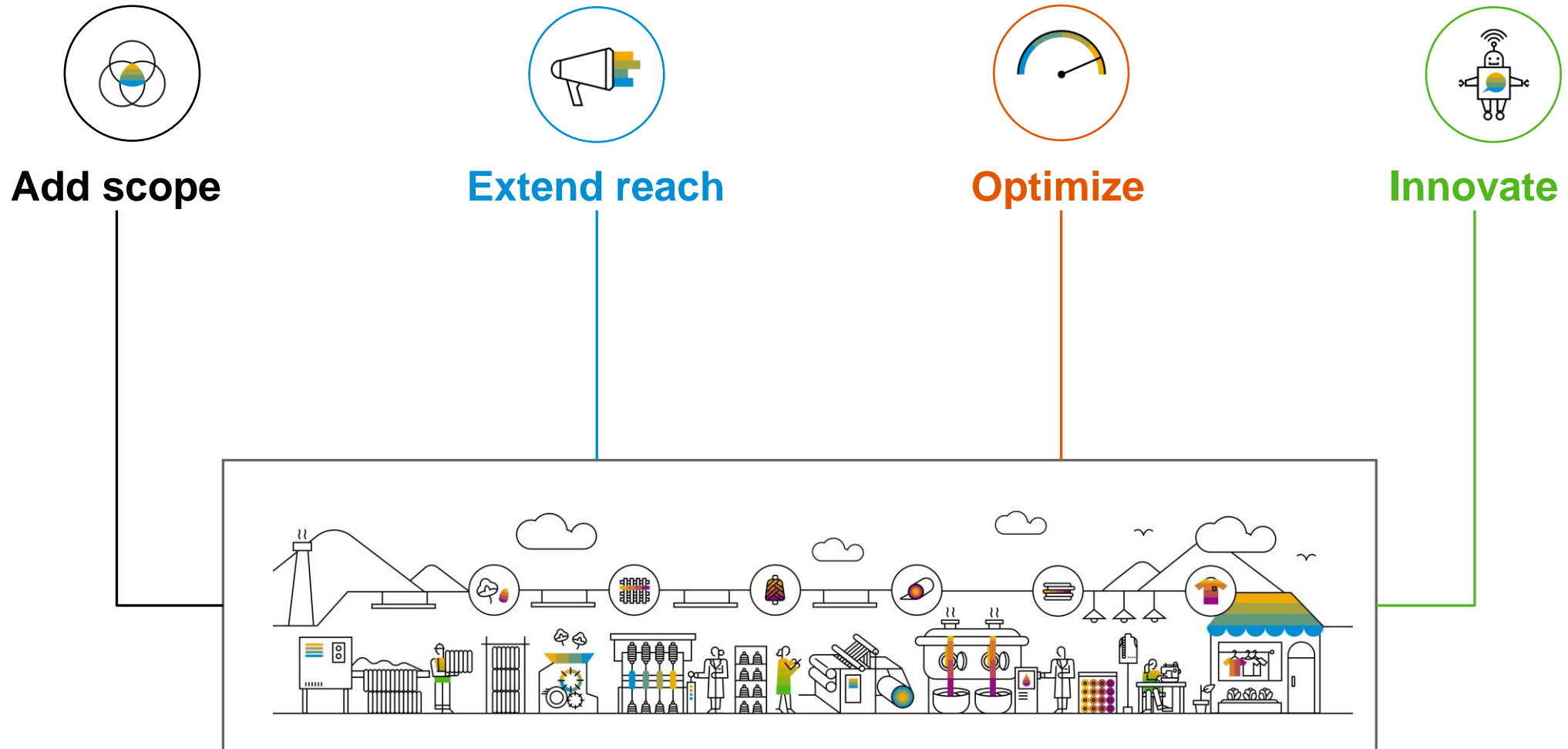
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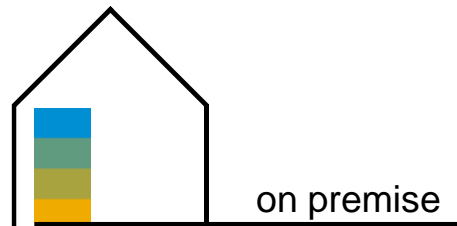
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An ERP needs rich extensibility



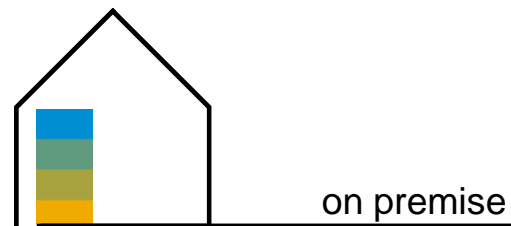
ABAP platform: Versions and consumers



SAP Business Suite¹
SAP NetWeaver hubs
SAP NetWeaver add-ons
Custom applications

SAP NetWeaver Application
Server for ABAP 7.5x²

Improvements



SAP S/4HANA (on premise)

ABAP platform 2022
(indirect shipment only)

cloud

SAP S/4HANA Cloud

ABAP platform cloud 2208
(indirect shipment only)



This session

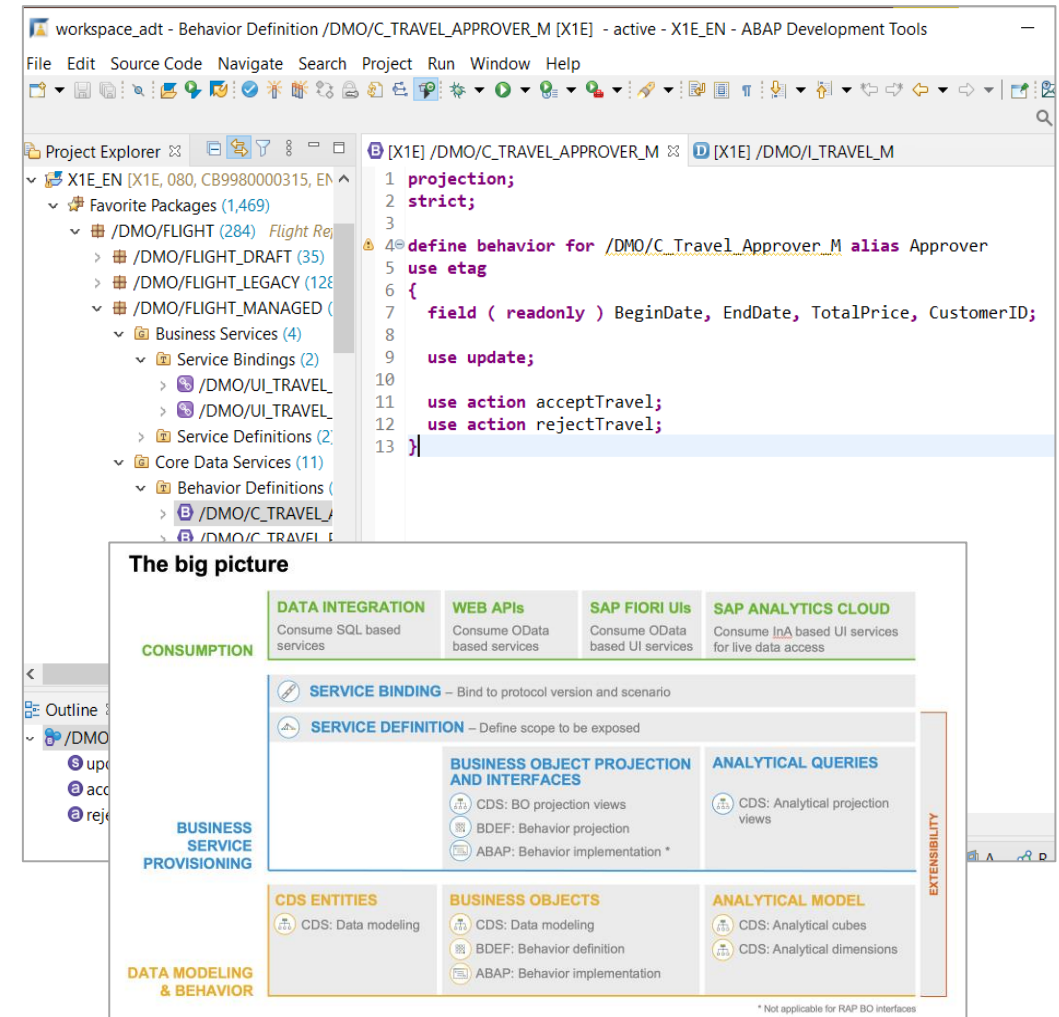
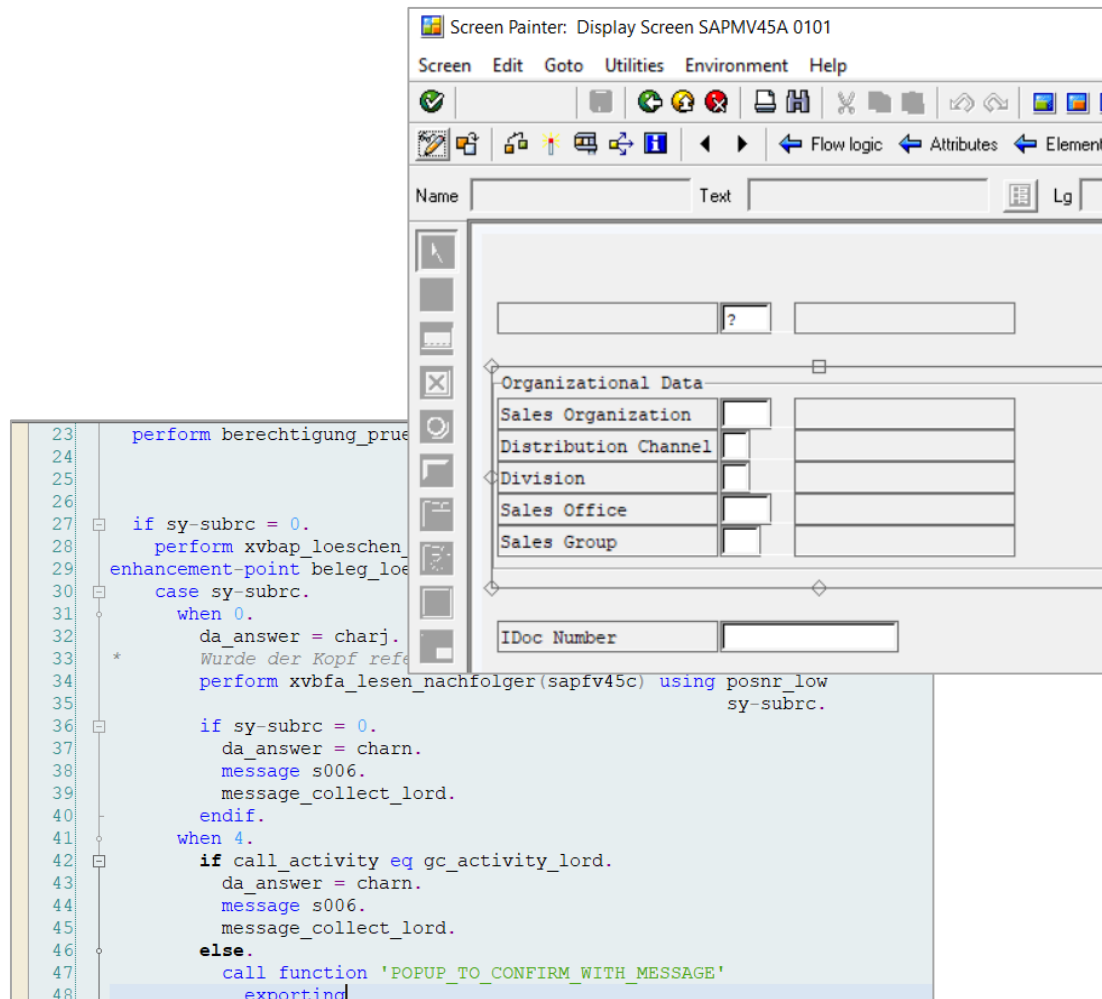
ABAP-based SaaS solutions
Extensions for SAP S/4HANA
Custom cloud apps

SAP BTP
ABAP environment 2208

One common ABAP platform innovation code line

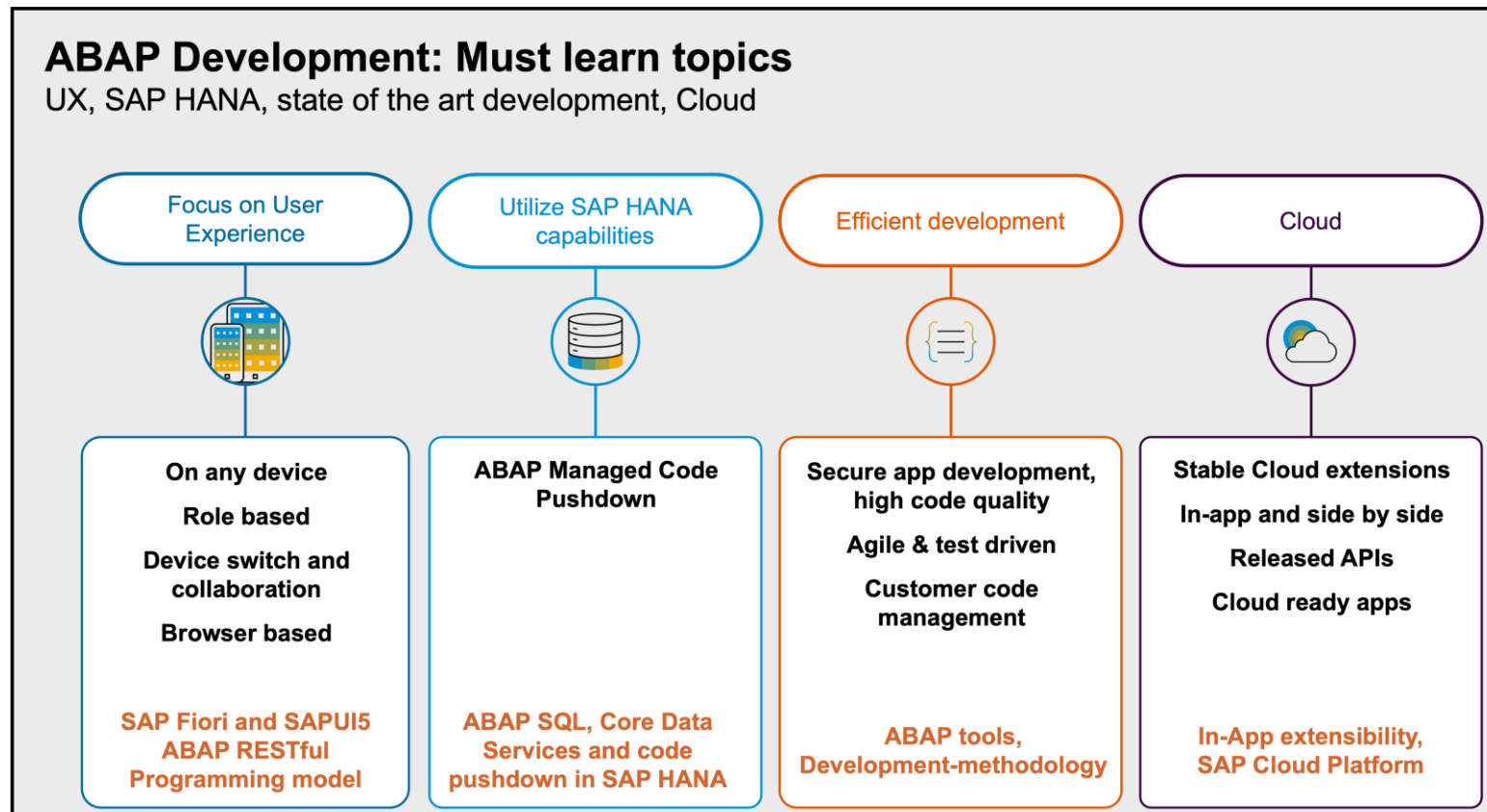
1. (7.50); 2. (7.50, 7.51, and 7.52)

ABAP cloud development – ABAP development tools and ABAP RESTful application programming model instead of SE80, forms, and Dynpro



SAP TechEd 2018 slide

Now, these topics are **mainstream** for modern ABAP development



Agenda

Positioning of SAP BTP, ABAP environment

News

Road map



Positioning of SAP BTP, ABAP environment



SAP BTP for the ABAP environment

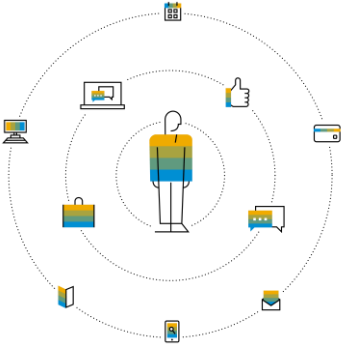
Characteristics

- Platform as a service for ABAP
- ABAP technology layer to develop and run stand-alone apps or side-by-side apps
- SAP HANA database included
- ABAP development tools included as IDE for ABAP-related objects
- ABAP language version for cloud development including released objects
- ABAP RESTful application programming model as the recommended programming model
- SAP Fiori tools for UI development
- Custom code analysis including checks by SAP Code Vulnerability Analyzer tool
- ABAP systems from SAP

Available as a product for customers and partners since **Q3/2018**

Also available as shared trial and free-tier

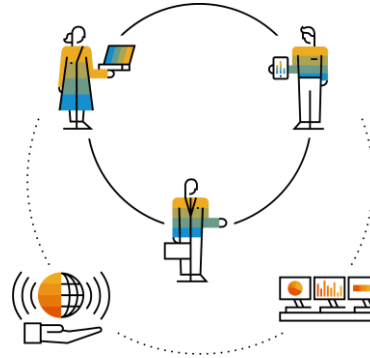
Main usage scenarios of SAP BTP, ABAP environment



For customers

Develop and run loosely coupled side-by-side extensions for core applications such as SAP S/4HANA

- Keep the core clean and follow your own release cycle
- Separate new user groups from the core application
- Consume the newest technology features



For partners

Develop and run multitenancy-enabled SaaS applications for their customers

- Client-based multitenancy to reduce costs
- Add-on-based tools for software lifecycle management
- Support of application management



For SAP

SAP products running on SAP BTP, ABAP environment, such as

- SAP Data Warehouse Cloud, SAP BW bridge
- SAP Market Communication for Utilities
- SAP Master Data Governance, cloud edition
- Sales Solutions by Vistex

Evolving the ABAP strategy for SAP S/4HANA with SAP S/4HANA Cloud, ABAP environment

SAP BTP, ABAP environment consists of two main pillars today:

- The PaaS **product offering** by SAP
 - The ABAP platform **feature set** (ABAP development tools–based development, ABAP language version, released objects, ABAP RESTful application programming model, and more)
-

The SAP BTP, ABAP environment **feature set** (= **ABAP Cloud**) will be offered:

- In **SAP S/4HANA Cloud** for **developer extensibility**
 - In **SAP S/4HANA** as an additional **extensibility option**
-

SAP BTP, ABAP environment remains the recommended ABAP option for:

- Loosely coupled **side-by-side extensions and applications** for customers
 - **Multitenancy-enabled SaaS applications** for partners
-

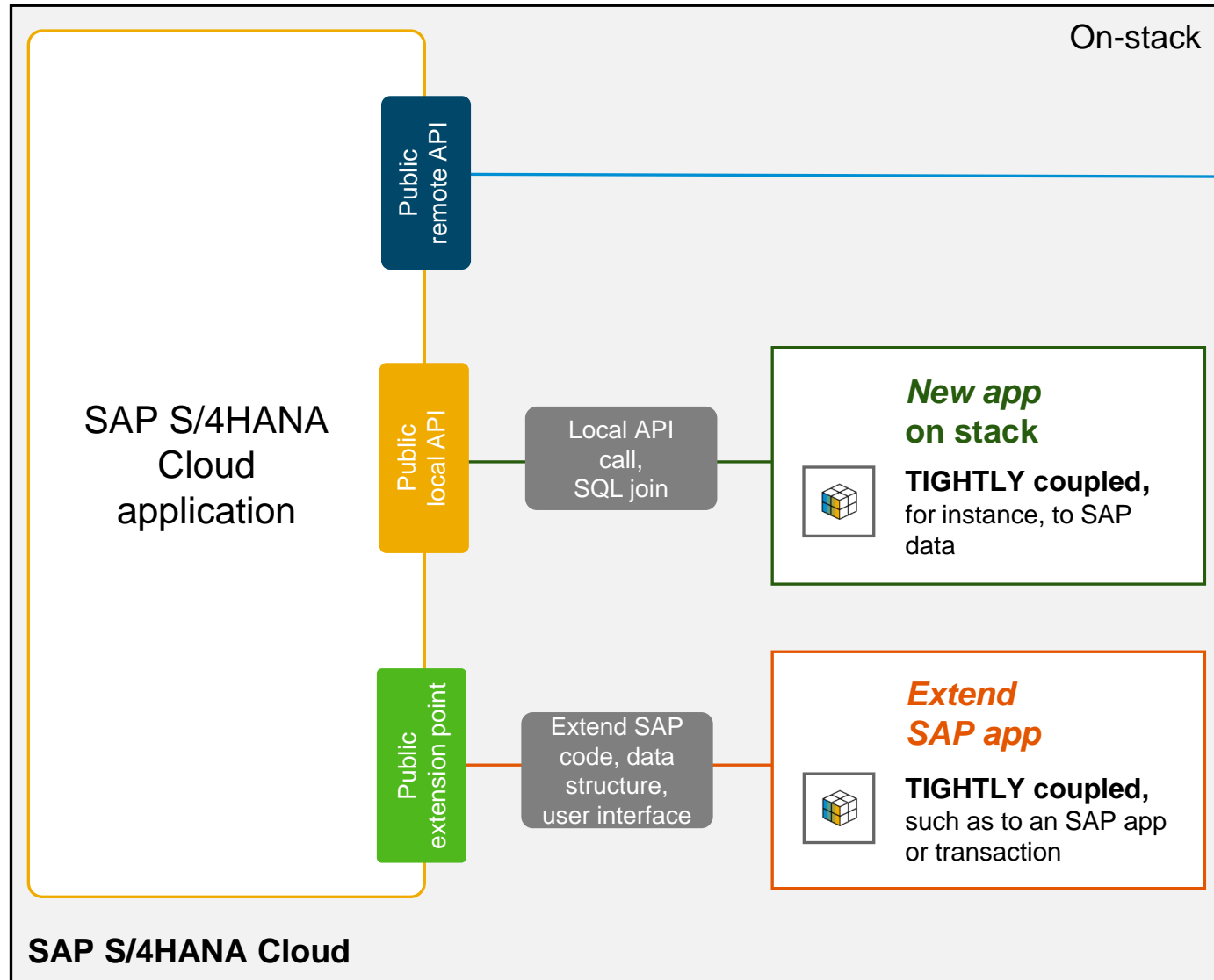
Unchanged

SAP S/4HANA Cloud, ABAP environment will be the on-stack option for:

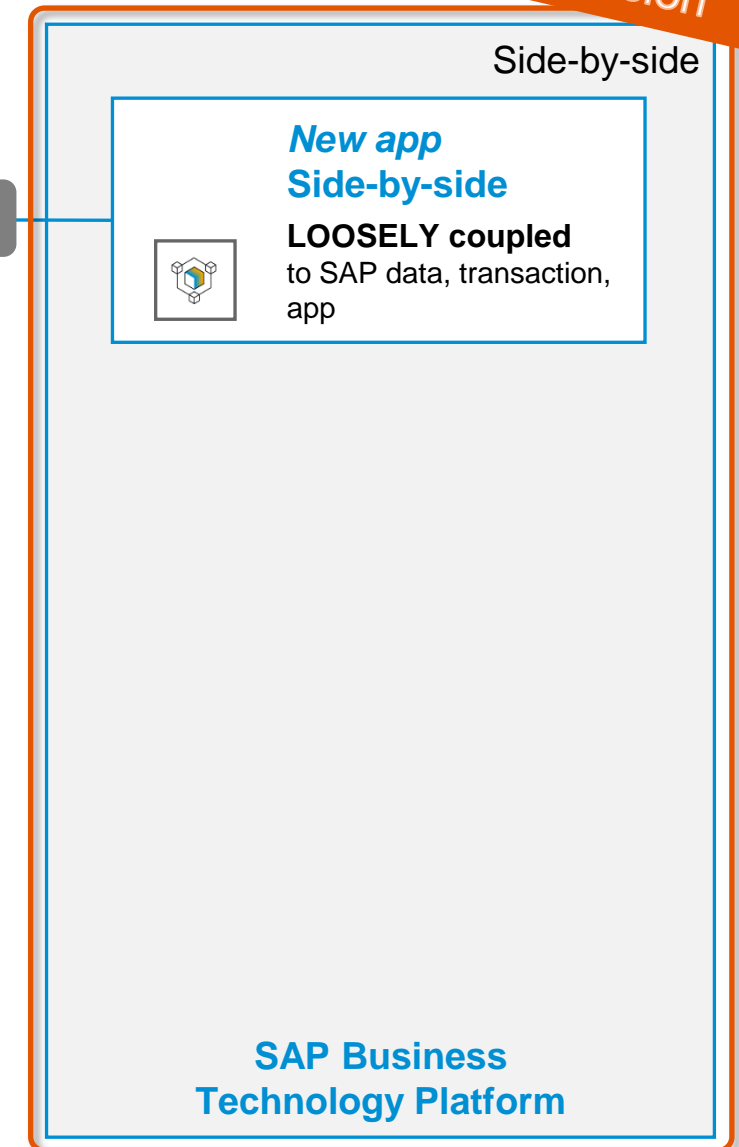
- **Developer extensibility for SAP S/4HANA** within the SAP S/4HANA Cloud system

New

SAP S/4HANA Cloud extensibility patterns



This session




Further information

SAP BTP, ABAP Environment and SAP S/4HANA Cloud, ABAP environment

Please refer to this [blog](#)



Harald Kuck 

September 30, 2021 | 7 minute read

Steampunk is going all-in

41 206 27,558

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In Poker, going all-in can mean you're really desperate. Or pretty confident that it's the right thing to do. Judging by the spirit of optimism in our ABAP Platform dev teams, I don't think we're [desperate](#), and here are some of the reasons why:

- The ABAP Platform unit has sort of rejuvenated. More than half of our employees have joined us during the past 4 years. ABAP is ready for the years to come.
- We feel we're relevant. Our biggest issue now is to handle the growing demand of customers, partners, and internal stakeholders. Could be worse.
- We've invented Embedded Steampunk. In addition to running side-by-side on the SAP Business Technology Platform (BTP), the Steampunk dev model will now be offered for extensions directly within SAP S/4HANA as well, both in the Cloud and on-prem. Hence the pun: all-in. See below to learn more.

News





Release schedule

Quarterly upgrades

Please refer to this [blog](#).





Andreas Wehry 

October 14, 2022 | 1 minute read

SAP BTP ABAP Environment – Maintenance Windows and Major Upgrade Windows in 2023

0 4 1,246

One of the benefits of using [SAP BTP ABAP Environment](#) is that updates and upgrades are applied by SAP to the systems in quite a high frequency and close to the corresponding release time. Find the latest known schedule of Major Upgrade Windows and Weekly Maintenance Windows for 2023 in this blog.

Major Upgrade Windows

As in 2022, the SAP BTP ABAP Environment will have 4 Major Upgrade Windows in 2023. These 24 hours of potential system unavailability are used to upgrade the systems to the next major version.


The events for the Major Upgrade Windows are harmonized between all SAP Cloud Products and scheduled for the following weekends:


- February 18th – 19th (Release 2302) | [Pre-upgrade option for release 2302](#)
- May 20th – 21st (Release 2305)
- August 19th – 20th (Release 2308)
- November 11th – 12th (Release 2311)

Depending on the data center region, the 24 hours downtime will start/end at:

- APJ: FRI 9 pm – SAT 9 pm UTC
- Europe: SAT 4 am – SUN 4 am UTC
- Americas: SAT 10 am – SUN 10 am UTC

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Recent innovations

Documentation of delivered features through release notes in

SAP BTP: [What's New](#) section

Component: [No Selection] Environment: **ABAP** Action: [No Selection] Lifecycle: [No Selection] Valid as Of: Feb 18, 2023 - Feb 18, 2023

Deprecated and Deleted Features | Archive (2021)

Show 41 Entries

February 18, 2023

ABAP Environment - ABAP CDS Development User Guide

You can now display the source type of a CDS service definition (in short, service definition) in the **Properties view**, the **ABAP Repository Tree** or when opening them.

See [Source Type](#)

ABAP • Info only • General Availability • New

ABAP Environment - ABAP CDS Development User Guide

You can now view the version history and version compare of a service in Service Binding.

See [Service Binding Features](#).

ABAP • Info only • General Availability • New

ABAP Environment - ABAP CDS Development User Guide


You can now migrate CDS DDIC-based views to the CDS view entities using the new wizard. It performs the migration of one or more data definitions for you.


In order to check and test the results of the migration before performing any changes, you can simulate the actual migration in advance.

See [Migrating CDS DDIC-Based Views to CDS View Entities](#)

ABAP • Info only • General Availability • New

Regular [blog](#) posts



Merve Temel 

February 23, 2023 | 1 minute read

SAP BTP ABAP Environment – Release 2302

2 14 1,032

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Please enjoy my little overview of most important features and their respective details.

All available new features can be found on the [official release notes](#) page.

Our last blog post for release 2211 can be found [here](#).

ABAP Development Tools

- Support for configuration of **tree hierarchy** in the transport organizer view ([details](#))
- Enhancements to the **element information popup** with primary and secondary keys for internal table types and RAP types ([details](#))
- Support for configuration of **data preview** with columns and filters ([details](#))
- Availability of the call out->write() in if_oo_adt_classrun, which behaves now consistently for all data types ([details](#))
- Support for custom field display in ADT using the **Custom Fields** editor ([details](#))
- Support for **hiding test classes** in the class outline view of ABAP Development Tools (ADT) ([details](#))
- Support for **quick fix** to create **non-existing change document** from a behavior definition in the **Behavior Definition editor** ([details](#))
- Support for **creation of extension** on behavior definition extensions and abstract behavior definitions ([details](#))
- Support for **form-based ADT UI** for application job objects ([details](#))
- Support for **behavior definition extension information** in the **Element Information popup** ([details](#))

ABAP RESTful Application Programming Model

- Support for BTP workflow services for **process automation** ([details](#))

Road map



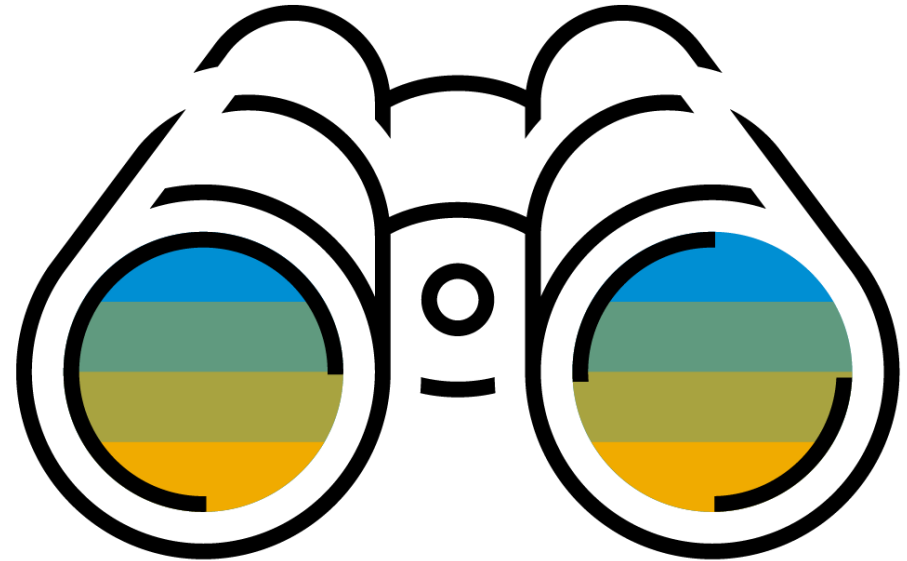
Outlook – Product direction¹

Reuse services

- Data archiving

Infrastructure

- Support of further hyperscalers such as Microsoft Azure
- System suspend mode to reduce pay-per-use costs
- Elastic scaling of number of application servers
- High availability and disaster recovery
- Reduction of planned maintenance windows



Further references – SAP BTP, ABAP environment landing page

<https://community.sap.com/topics/btp-abap-environment>

Featured Content



SAP BTP ABAP Environment - Overview

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[SAP Discovery Center](#)
[Steampunk is going all-in!](#)



Take your ABAP skills to the Cloud

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[What's new in 2302 release](#)



SAP BTP ABAP Environment - FAQ

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Programming Model \(RAP\) at
openSAP](#)

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[ABAP at SAP TechEd in 2022](#)

Expert Content

Developer Discussion

Developer Discussion: ABAP Cloud

ABAP Cloud

[Boris Gebhardt](#) [Rich Heilman](#) [Jens Weiler](#)

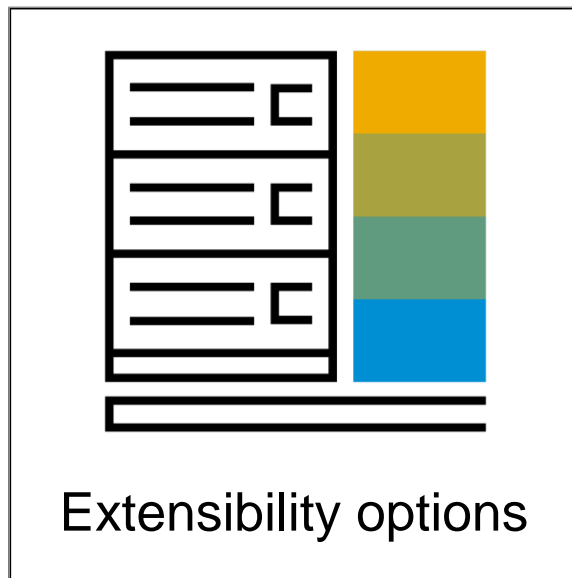
[developers.sap.com](#)

Featured Developer Discussion: ABAP Cloud

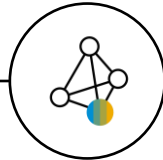
ABAP Cloud was announced at the TechEd. What is ABAP Cloud and what does it mean for you as an ABAP developer?

Watch the replay of developer discussion of [Rich Heilman](#) with Chief Product Owner of the ABAP Platform [Boris Gebhardt](#) and [Jens Weiler](#).

Summary



SAP BTP, ABAP environment provides side-by-side extensibility for loosely coupled **ABAP cloud** extensions such as multitenancy-enabled SaaS applications by partners



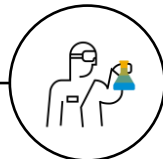
SAP S/4HANA Cloud, ABAP environment allows you to develop **ABAP cloud** extensions running directly on the SAP S/4HANA Cloud stack



SAP BTP, ABAP environment is **updated with new features quarterly**



SAP BTP, ABAP environment is **mature to build enterprise-ready business applications**



Product direction is on further improvements of **data center coverage and cloud qualities**

Thank you.

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SAP

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