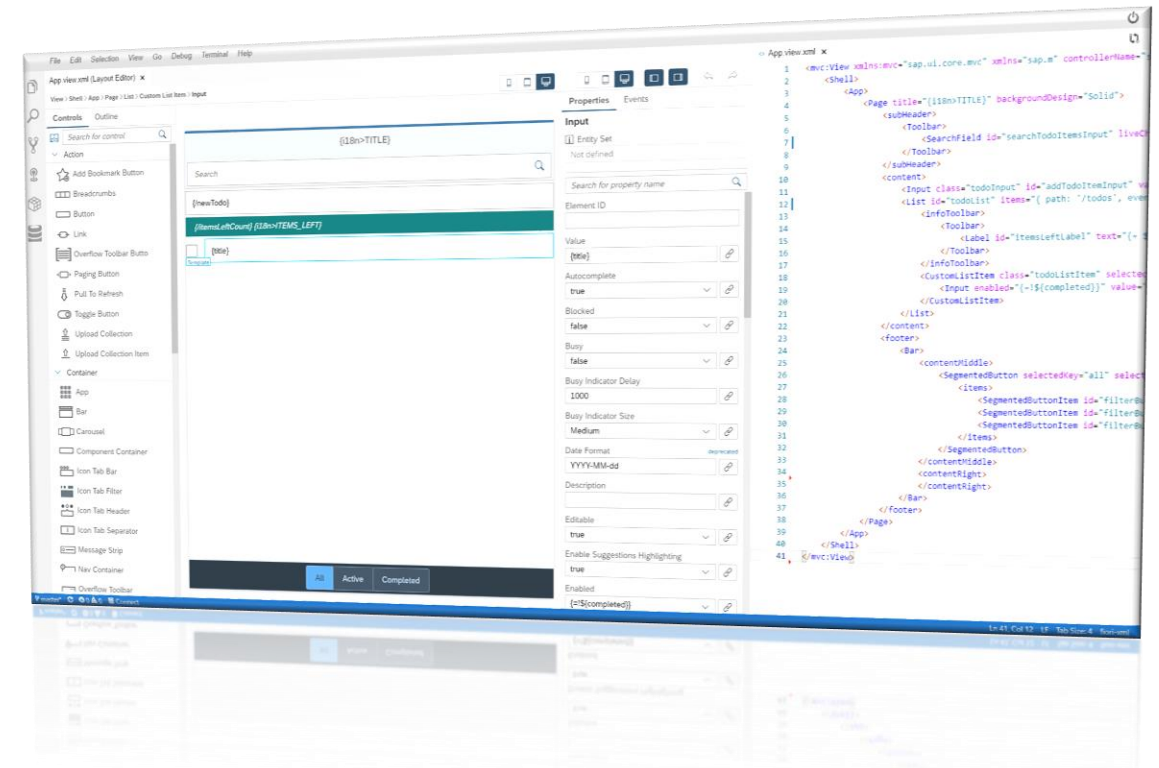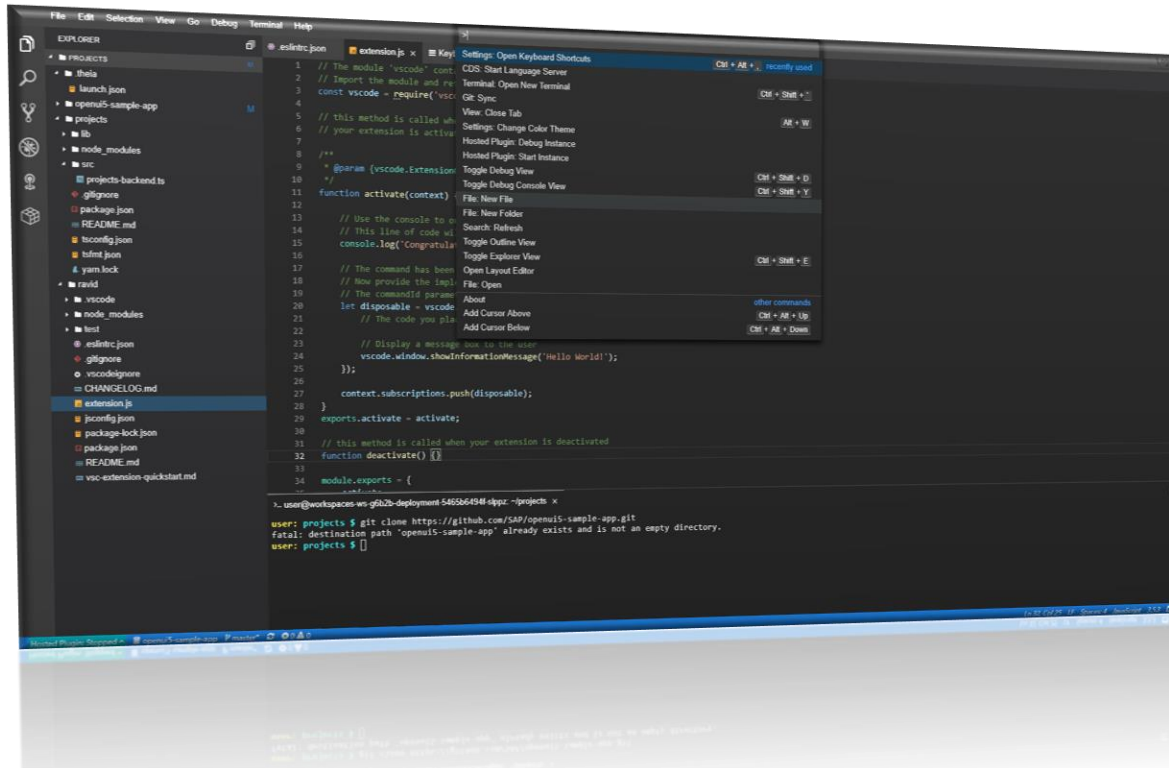SAP

SAP Business Application Studio Intro for CodeJam

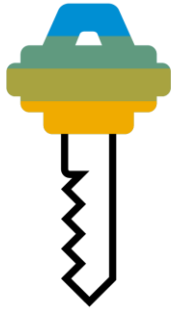# SAP Business Application Studio on BTP Multi-Cloud
General Availability on Azure, AWS, and Ali-Cloud

A **modern** development environment, **tailored** for efficient development of business applications for the **Intelligent Enterprise scenarios**

SAP Business Application Studio
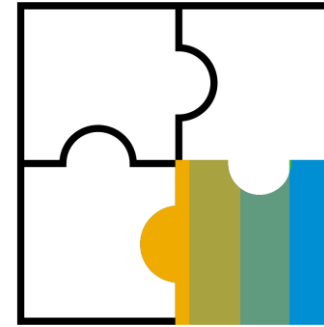**Value Proposition**

Turn-key Solution

Instantly spin-up pre-packaged environments with tools and runtimes, tailored for developing SAP business applications
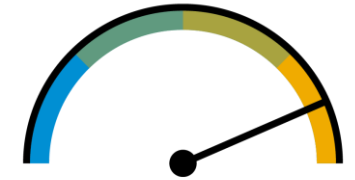
Simplified Development

Enjoy a seamless end-to-end development environment with a desktop like experience in the cloud - available anywhere, anytime

Integrate SAP Solutions

Build smarter, more intelligent applications integrating SAP services, technologies, and solutions to cater for your business needs

Ultimate Productivity

Accelerate app development using wizards, optimized code & graphical editors, local test run & debug, terminal (CLI) access, quick deployment, and more

SAP Business Application Studio is built on Open Source and leading industry standards

SAP Business Application Studio
Key Use Cases

Build web apps with
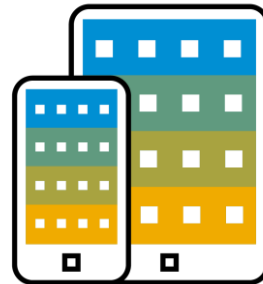SAP Fiori and SAPUI5

Extend SAP Solutions

Create serverless
extensions

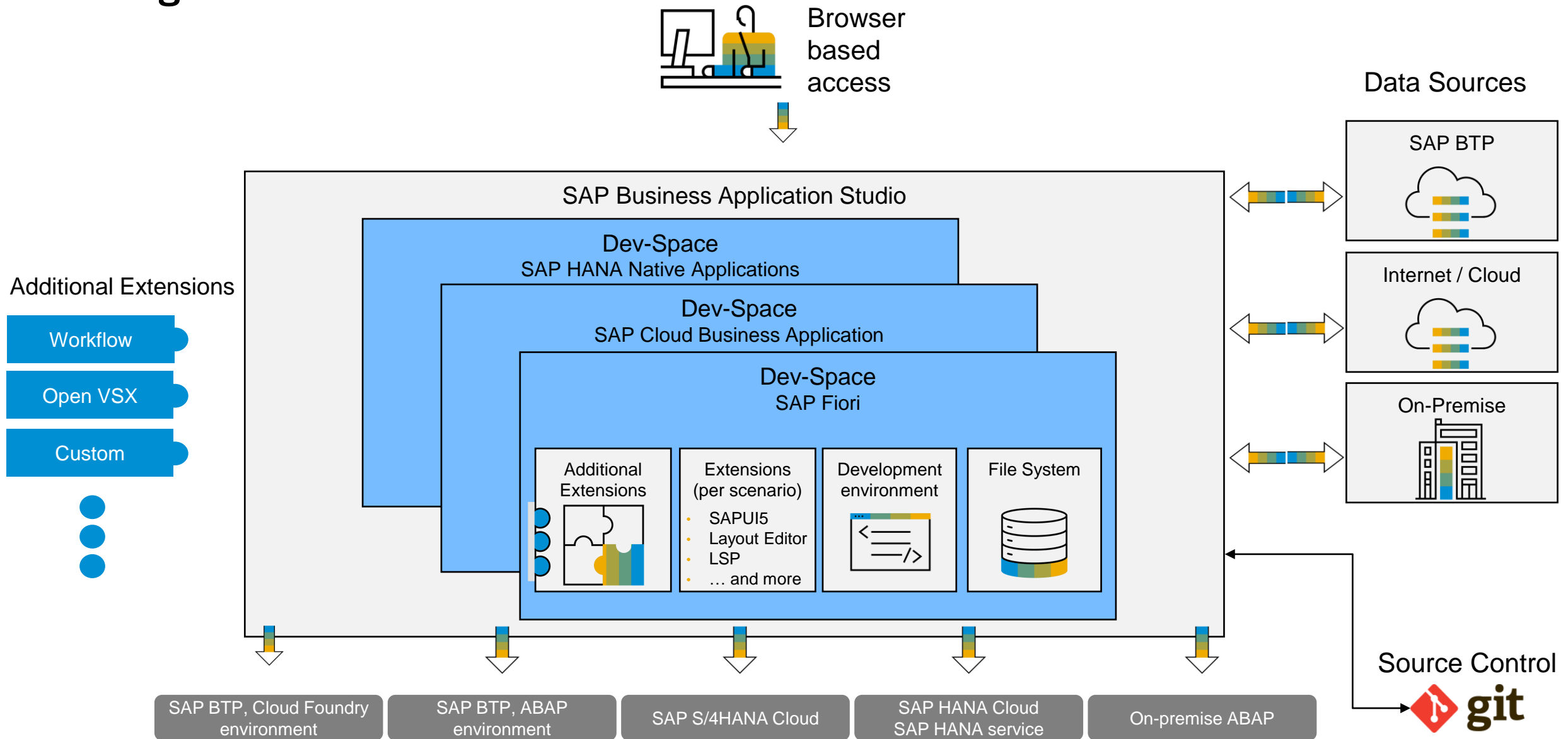Digital process automation using
SAP Workflow Management

Mobilize your
Business

Develop SAP HANA
Native applications

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

The Big Picture

Browser based access

Data Sources

SAP Business Application Studio

Dev-Space
SAP HANA Native Applications

Dev-Space
SAP Cloud Business Application

Dev-Space
SAP Fiori

Additional Extensions	Extensions (per scenario)	Development environment	File System
	• SAPUI5 • Layout Editor • LSP • … and more		

Additional Extensions

Workflow

Open VSX

Custom

SAP BTP

Internet / Cloud

On-Premise

SAP BTP, Cloud Foundry environment	SAP BTP, ABAP environment	SAP S/4HANA Cloud	SAP HANA Cloud SAP HANA service	On-premise ABAP

Source Control

git

SAP Business Application Studio Vs. SAP Web IDE

	SAP Business Application Studio	SAP Web IDE Full Stack
Available on	SAP BTP, Cloud Foundry environment	SAP BTP, Neo environment
Deployment target	SAP BTP, Cloud Foundry environment, on-premise ABAP SAP BTP, ABAP environment	SAP BTP, Cloud Foundry environment, on-premise ABAP, SAP BTP, Neo environment
Solution	**Instantly spin-up pre-packaged isolated environments**/Dev-spaces ("virtual machine on the cloud") with tools and runtimes, tailored per business scenario which provide **more control over the environment and code Configure and share Dev-spaces***	Generic workspace that contains many tools. Some tools are not necessarily required for the target business scenario
Experience	**Embraces VS Code experience**, will provide the ability to add custom extensions* **Desktop like experience in the cloud** including local test, run & debug, terminal (CLI) access, and superior code editors	SAP proprietary experience Browser based experience
Support for various personas	**Better support for pro-code, cloud and full stack developers** with superior for Java and node. js coding Additional personas can be supported with a suited experience per persona using dev-spaces concept.	• Cloud and full stack developers – partial • Web/mobile developers • Similar experience for all personas
Open Source & standards	**Based on open source & leading industry standards** Provides possibility to **quickly integrate capabilities and technologies** that exist in the market*	Uses open sources but majority is proprietary SAP proprietary framework with limited number of extensions

* Future Innovation. This is the current state of planning and may be changed by SAP at any time.

# Visual Studio Code and SAP Business Application Studio

Visual Studio Code

- Provides development flexibility with **offline** capabilities

- Features a **developer-controlled**, highly configurable development environment

- Allows access to thousands of extensions from the Visual Studio Code marketplace

- Is part of a fast growing open source community
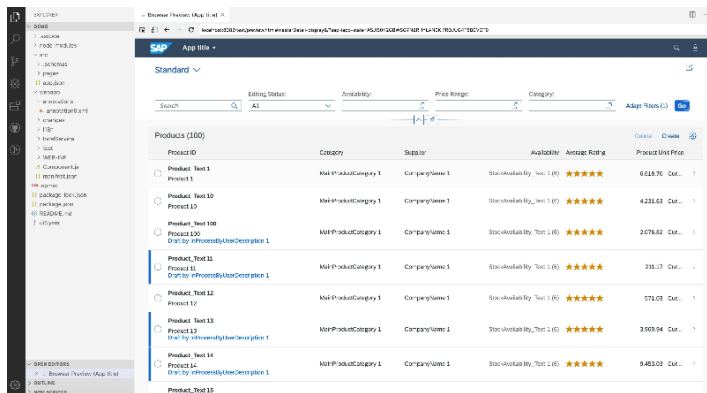
SAP Business Application Studio

- Provides a **managed**, preconfigured, **hosted environment**, optimized for SAP application development

- Can be **centrally administrated** with tools repositories, systems access and company policies

- Integrates with existing SAP solutions, systems & services

- Easy access to Visual Studio Code-compatible extensions from open source Theia marketplace
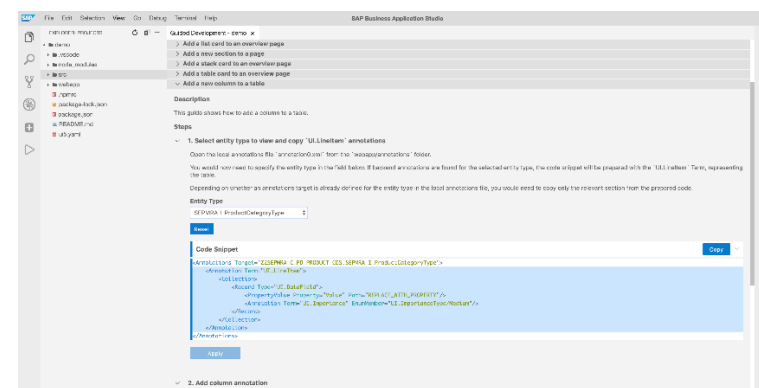
Thank you.

Contact information:

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thomas.jung@sap.com

THE BEST RUN **SAP**