Laying a foundation for the future with SAP Business Technology Platform (BTP)

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Speaker introduction

- 23+ years of SAP experience in a career of 28 years in a variety of roles including SAP product development, delivery/advisory/consulting, pre-sales, & sales; currently work for the SAP S/4HANA Center of Excellence, North America

- Served nearly 50 clients globally & across multiple industry verticals • Areas of expertise include SAP Financials, Logistics/Supply Chain, Reporting & Analytics, Data Management & Governance, HANA technologies, User Experience, & Project/Program Management

- Prolific thought leader: Published over 100 articles & white papers for SAP publications; written 5 SAP books; spoken at nearly 50 SAP conferences globally including TechEd, ASUG/Sapphire, SAP Insider conferences, SAP Controlling, Mastering SAP etc.

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Agenda

1 **BTP Overview**

2 **BTP Key Components**

3 **Wrap-up**

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Business Technology Platform (BTP) – Definition

SAP BTP is the platform that powers you to become an intelligent enterprise through integration, extension, and data-to-value from all SAP and third-party application and data assets while ensuring your long-term success through agility, value-creation, and continual innovation. It encompasses database & data management, analytics, application development & integration, as well as intelligent technologies

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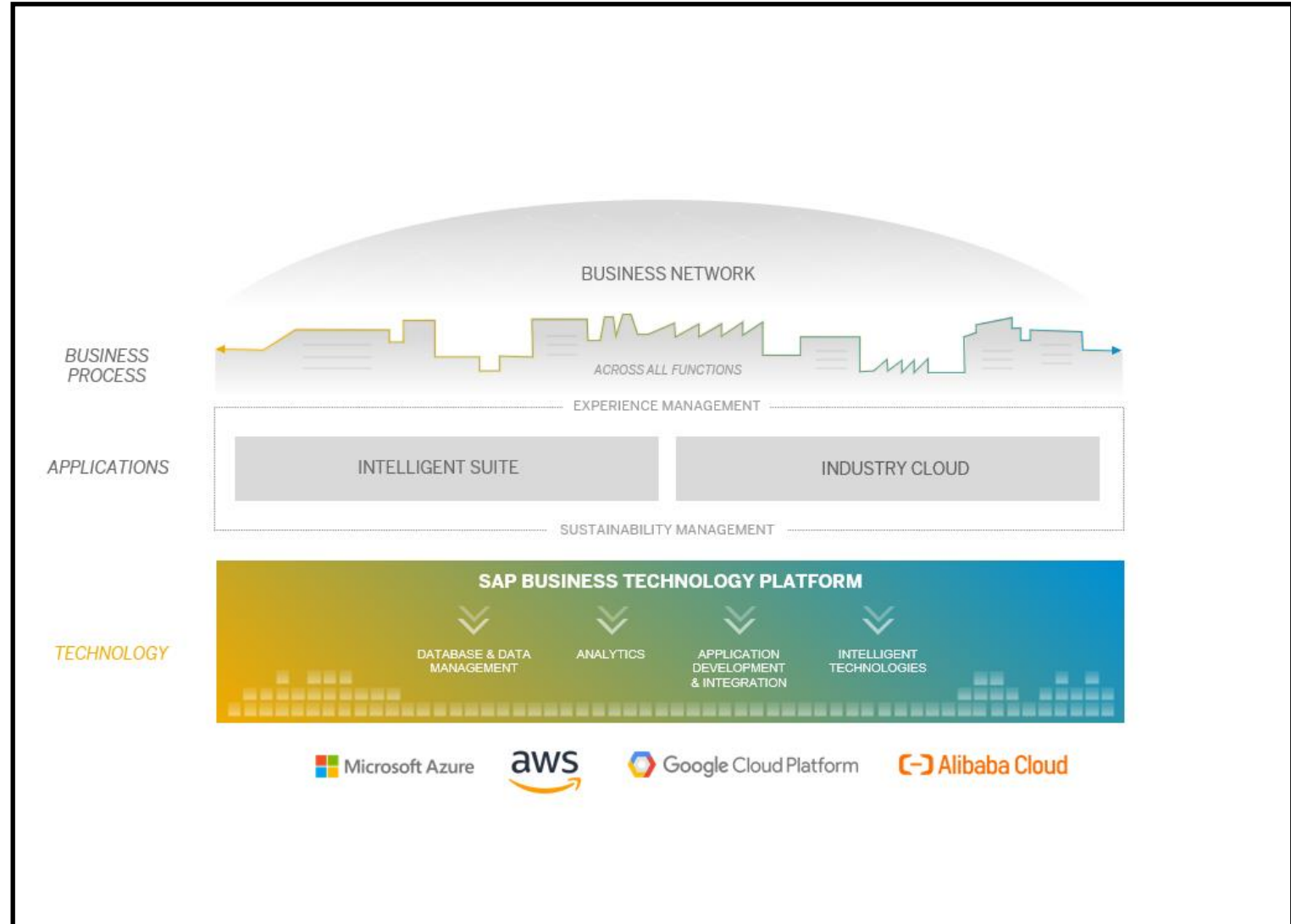
Business Technology Platform (BTP) – Overview

Create

Orchestrate business outcomes
Uncover innovation opportunities enhancing outcomes along the entire value chain by connecting applications

Integrate and extend intelligent experiences
Deliver superior and consistent user experience with embedded AI, automation, native integration, and connectivity
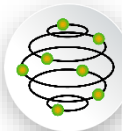
Gain data excellence
Leverage in-memory performance, advanced data virtualization capabilities to optimize data management and quality

Build

Faster time-to-market
Launch innovations faster with intuitive, modern development environment for IT and citizen developers

Accelerate innovation rate
Jumpstart innovation with broadest set of pre-built industry content, use cases, and contextual data from applications

Improve real-time decision making
Access and analyze data instantly with self-service data discovery, modeling, planning and analytics for business users

Run

Achieve hyperscale economics and infrastructure resilience
Utilize cloud of choice while interoperating with existing IT landscape allowing scalability and minimizing redundancy

Simplify transformation and customizations management
Move existing and new customizations to the cloud, simplifying maintenance and improving reliability

Mitigate non-compliance, security, and service quality risks
Use data with trust and security in a mission-critical environment to meet stringent enterprise-class SLAs and privacy compliance

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How does the customer benefit from BTP?

- Collectively, the technologies that comprise the BTP allow companies to connect processes and experiences, decide confidently with integrity and perpetuate continued business innovation

- BTP capabilities provides tangible outcomes for customers in 3 areas:

Integration

Achieve integrated business processes

Data-to-Value

Create advanced insights and decide with confidence

Extensibility

Ensure rapid and continuous innovation

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How is SCP related to BTP?

- As of 2/20/2021, SAP Cloud Platform (SCP) as a brand has been sunset

- It's capabilities have been assimilated into the overarching Business Technology Platform (BTP)

  - ***But BTP is not synonymous with SCP!!***

- Per the internal communication of 2/2021, "*In the evolution to be the platform for all SAP applications, SAP BTP exposes SAP Cloud Platform capabilities as services next to the capabilities in SAP HANA or SAP Analytics solutions, for example*"
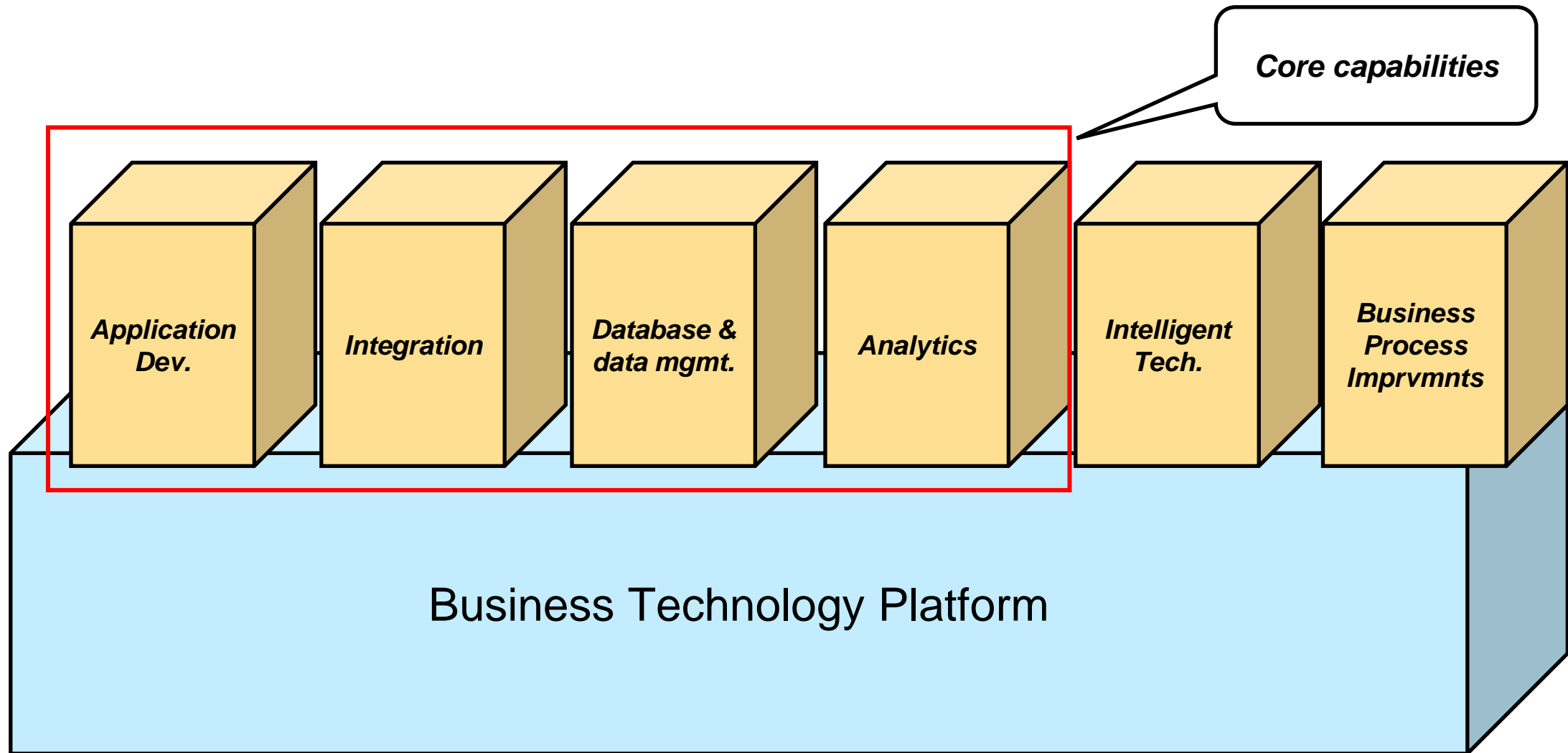
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BTP Technology Categories

App Development services & applications

- SAP HANA

- SAP Business Application Studio – *enabler of SAP 'low-code' approach*

- SAP Fiori Mobile

- SAP Apple IOS SDK

- SAP Fiori Tools

- SAP Fiori Elements

- SAPUI5

- SAP Portal

- SAP Mobile Start

- SAP AppGyver – *the newest kid on the block*

Application Development: No-code approach with AppGyver

- AppGyver, a small Finland-based start-up, was acquired by SAP in Q1 2021

- AppGyver has been a key player in the low code app development (LCAP) space since 2013

- Philosophy: build once & run on all platforms

- Strongest use case: rapid development of mobile & web apps

SAP AppGyver

Recent

- Support for REST and OData
- Multiplatform native performance
- Support for over 400 built-in formula functions

Coming soon…

+ Integration into other existing services
+ SAP Fiori Design Language theming
+ UI5 inspired components
+ Team development features

Drag and drop UI: Design with customizable components

Visual logic: Build anything with visual logic
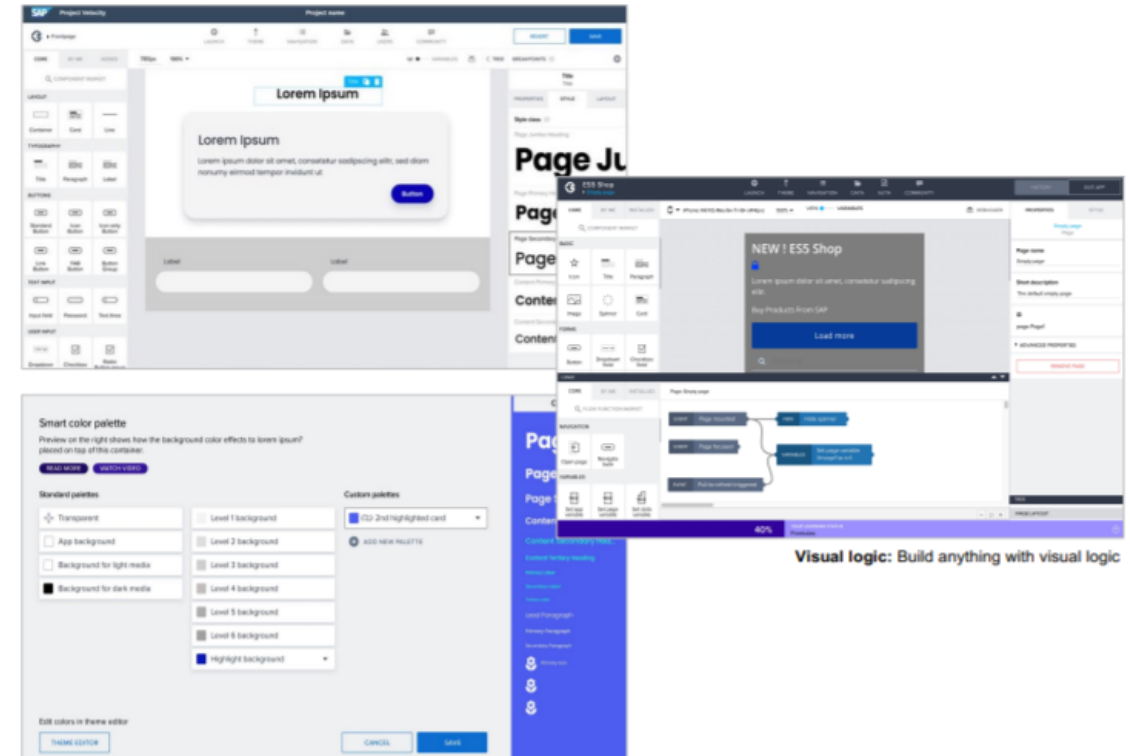
SAP Extension Suite

- SAP Extension Suite enables developers to leverage these technologies, programming languages & applications to extend existing SAP functionality & features
  - You would use the SAP Extension Suite for 'side-by-side' extensions

Adopt new user interface

Create custom analytics

Expose data

Create forms/ email templates

Add application logic

Add database fields/objects

SAP Solutions
e.g. SAP S/4HANA
In-app extensibility

Classic Extensibility

SAP Integration Suite

Secured connectivity

⟵ User Interface ⟶
⟵ Rules/Workflow ⟶
⟵ Process/Events ⟶
Data Replication

SAP Extension Suite
Side-by-side extensibility

Refresh & mobilize user experience

Cloud native for B2C & B2B

Process innovation

Data marts & analytics

Data science & intelligence

IoT & big data

E2E Security/E2E Lifecycle Management

User Interface Layer   Application Layer   Database Layer

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Integration - Bringing diverse landscapes together

BTP is the platform that brings all these diverse stacks & landscapes together

Applications

ORACLE® · salesforce · SAP · workday · NETSUITE

Analytics

tableau SOFTWARE · Qlik · SAP® Analytics Cloud · Power BI · Anaplan

Data Technologies

mongoDB · hadoop · SAP HANA® · cassandra · IBM Watson · snowflake · amazon alexa

Infrastructure

aws · Microsoft Azure · Google Cloud Platform · Alibaba Cloud

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Integration - Enablers

One harmonized product offering via the SAP Integration Suite

Recent

- Simplified and upgraded user experience on SAP API Business Hub

- Migration guide from SAP Process Orchestration to SAP Integration Suite

- Migration accelerators to multicloud for API Management and Cloud Integration

Coming soon…

+ Additional integration packs and adapters for SAP and non-SAP integrations

+ Hybrid deployment option for SAP Integration Suite

+ Cloud-based B2B integration with Trading Partner Management and B2B monitoring

SAP Integration Suite simplified experience

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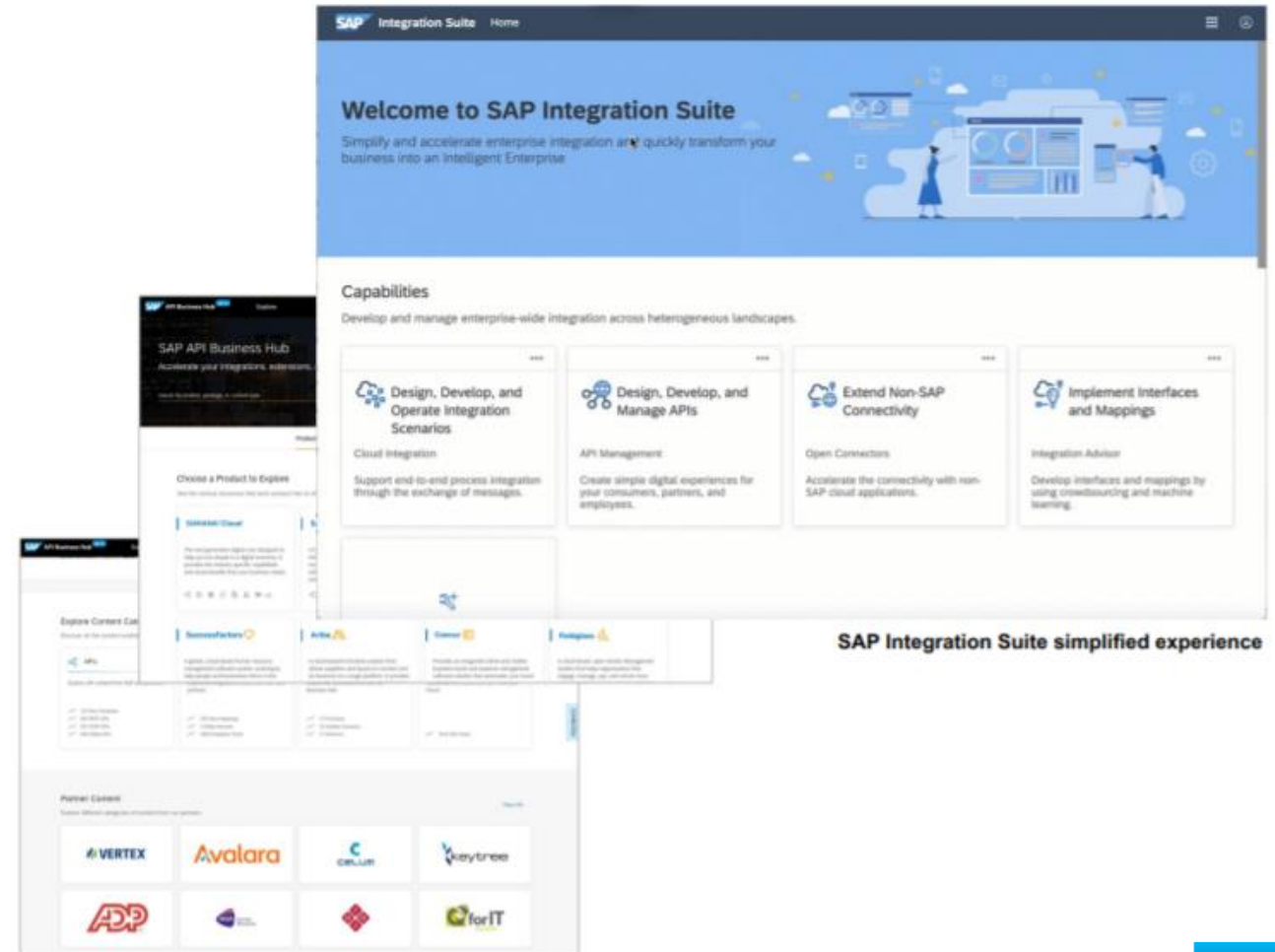
SAP API Hub

- The SAP API (Business) Hub is your portal for extensions, integration, & innovation

- Make sure you bookmark api.sap.com

Database & Data Management

- Includes the following applications:
  - SAP HANA
  - SAP Data Warehouse Cloud
  - SAP BW/4HANA
  - SAP Master Data Governance
  - SAP Information Steward
  - SAP Information Lifecycle Management
  - SAP Data Services

Analytics

- Includes the following applications:

  - SAP Analytics Cloud (SAC)

  - SAP BusinessObjects Business Intelligence Suite

Intelligent Technologies

- Includes the following applications & services:

  - SAP Extension Suite

  - SAP Workflow on SAP BTP

  - SAP Intelligent Robotics Process Automation (iRPA)

  - SAP Internet of Things (IoT)

  - Conversational AI

  - SAP Data Intelligence

  - SAP BTP Blockchain Service

  - HANA Blockchain Service

Business Process Improvements – Intelligent RPA

SAP Intelligent RPA bot store:

- Partners are enabled to publish SAP Intelligent RPA bots they want to commercialize in the SAP Intelligent RPA store (roll-out by Q4/21)

- Offers are linked to SAP Store for commercialization

- Provisioning of the partner solution/bot template to a customer via the partner's own delivery channels

- Partner is listed as a publisher on the bot store

Coming soon…

+ SAP connectors for BAPI, SAP SuccessFactors UI, and SAP Ariba UI

+ Easier bot building with recorder support

+ SAP Intelligent RPA and SAP Business ByDesign

Design with Studio

SAP Intelligent RPA 2.0

Run with Agents

Orchestrate and Monitor with Cloud Factory
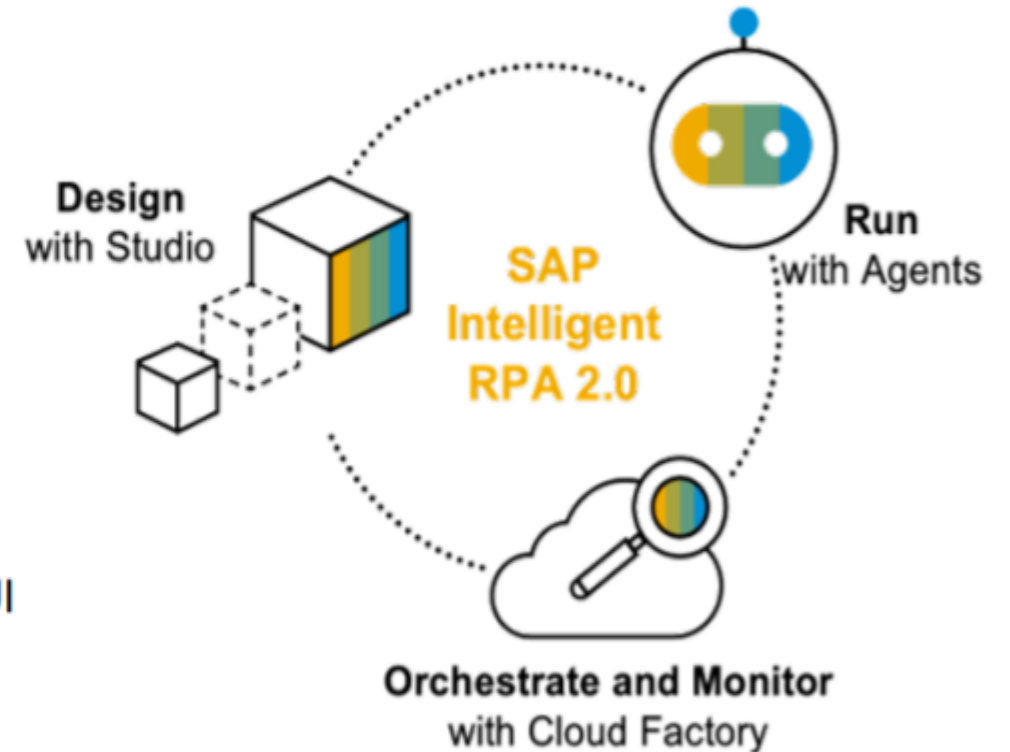
Business Process Improvements – Workflow Management

Prebuilt content packages that accelerate customers' business transformation

Increased flexibility with no-code, low-code environment to intuitively adapt changes in the processes and decisions

Ability to integrate with SAP applications, events, integration flows, and RPA bots

1. Discover
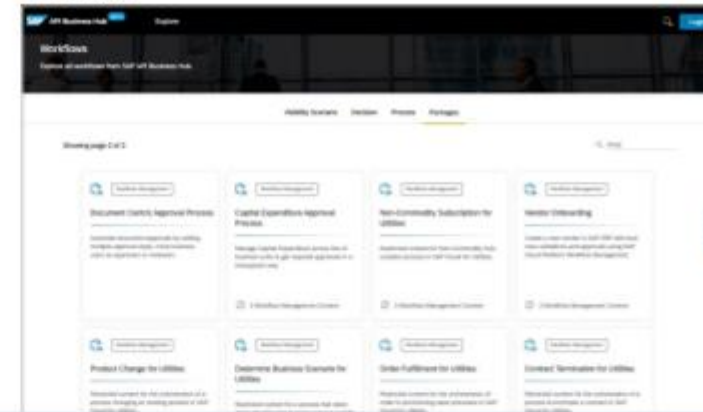
2. Import

3. Configure
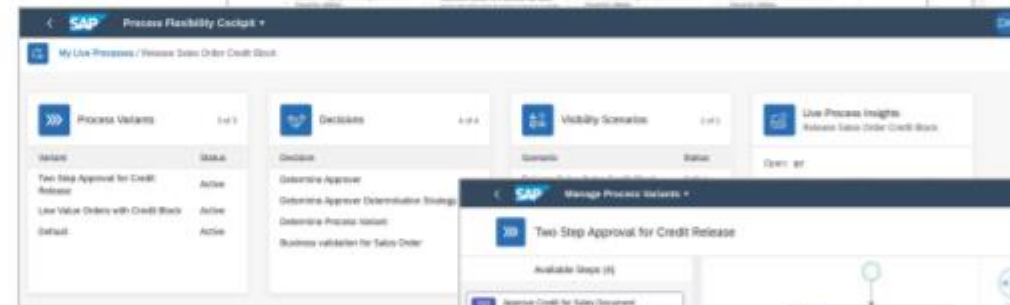
4. Activate
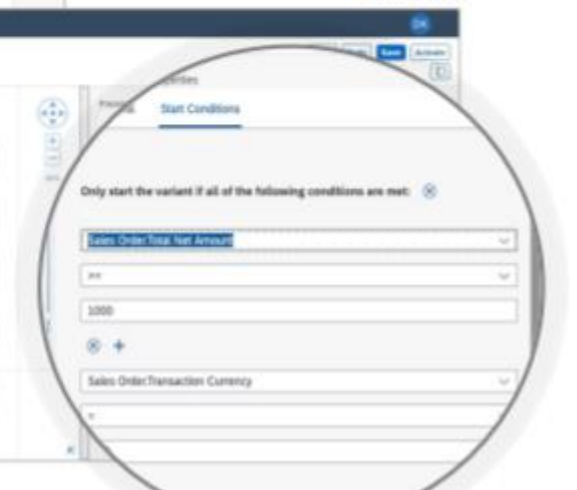
Upgrade safe workflow solution packages and accelerate implementations by:

- Prebuilt integration with the application data model from SAP
- Included subscription to SAP S/4HANA event channels
- Event integration through SAP Event Mesh / CPI (iFlows)

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Key Resources & References (1)

- JAM Groups

  - SAP BTP Core @
    https://jam4.sapjam.com/groups/eopqUq5S182gY7JFrbdwis/overview_page/NwZqGGeSbjkWEvj25DigLL

  - SAP BTP Program Office @
    https://jam4.sapjam.com/groups/XHkHrKISVZzKKSJGFZYQvD/overview_page/RSN7yzg0nqK2uK6v3jktHA

  - All in for SAP BTP @ All In for SAP BTP - Overview (sapjam.com)

  - SAP BTP Community for Application Development @
    https://jam4.sapjam.com/groups/KI3P90hfkXmxkeuI6wDrG9/overview_page/eVZtJBFSBX11utVktgMBaJ

- BTP Community

  - Public-facing portal @ https://community.sap.com/topics/business-technology-platform

  - SAP Discovery Center @ https://discovery-center.cloud.sap/

Key Resources & References (2)

- ## Support

  - BTP on help.sap.com @ https://help.sap.com/viewer/product/BTP/Cloud/en-US?task=discover_task

- ## OpenSAP courses

  - SAP Business Technology Platform in a Nutshell @ https://open.sap.com/courses/btp1 → course was released in July 2021

- ## YouTube videos

  - SAP Business Technology Platform @ https://www.youtube.com/watch?v=4xmq4c_k7YQ

  - BTP education series from SAP @ https://www.youtube.com/watch?v=4zbwMp6iZ74&list=PLkzo92owKnVw3I4fqcLoQalyFi9K4-UdY

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Thank you.

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