



Simplify Application Development with **SAP Extension Suite**

Jonathan Russell
Global GTM
February 2021

SAP Business Technology Platform

The Platform for the Intelligent Enterprise



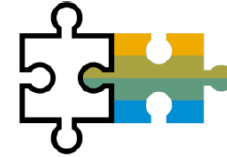
DATABASE AND DATABASE MANAGEMENT

Capture, manage,
and **govern** your data
to drive better business
outcomes



ANALYTICS

Analyze all your data to
accelerate **insights** and
transform the data you have
into the answers you need



APP DEVELOPMENT AND INTEGRATION

Integrate and **extend**
applications – build new
ways to access and
interact with your data



INTELLIGENT TECHNOLOGIES

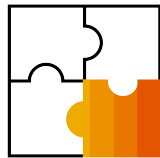
Data is the fuel
propelling intelligent
technologies forward –
optimizing processes,
and igniting **innovation**

The Business Technology Platform Advantage



Pre-Built Content

- 1,800+ prebuilt integration packs
- 160+ connectors to SAP and third-party systems
- Over 100 pre-built Analytics content packages
- Industry & LOB content and process workflows



Cloud Native Extensions

- Extend S/4HANA to new users
- Modify or add new functionality quickly
- Extensions upgrade seamlessly
- Minimizes maintenance costs



Partner Ecosystem

- Access to 15,000 partners across 25 industries
- Deliver digital content and business workflows
- Implement best practices

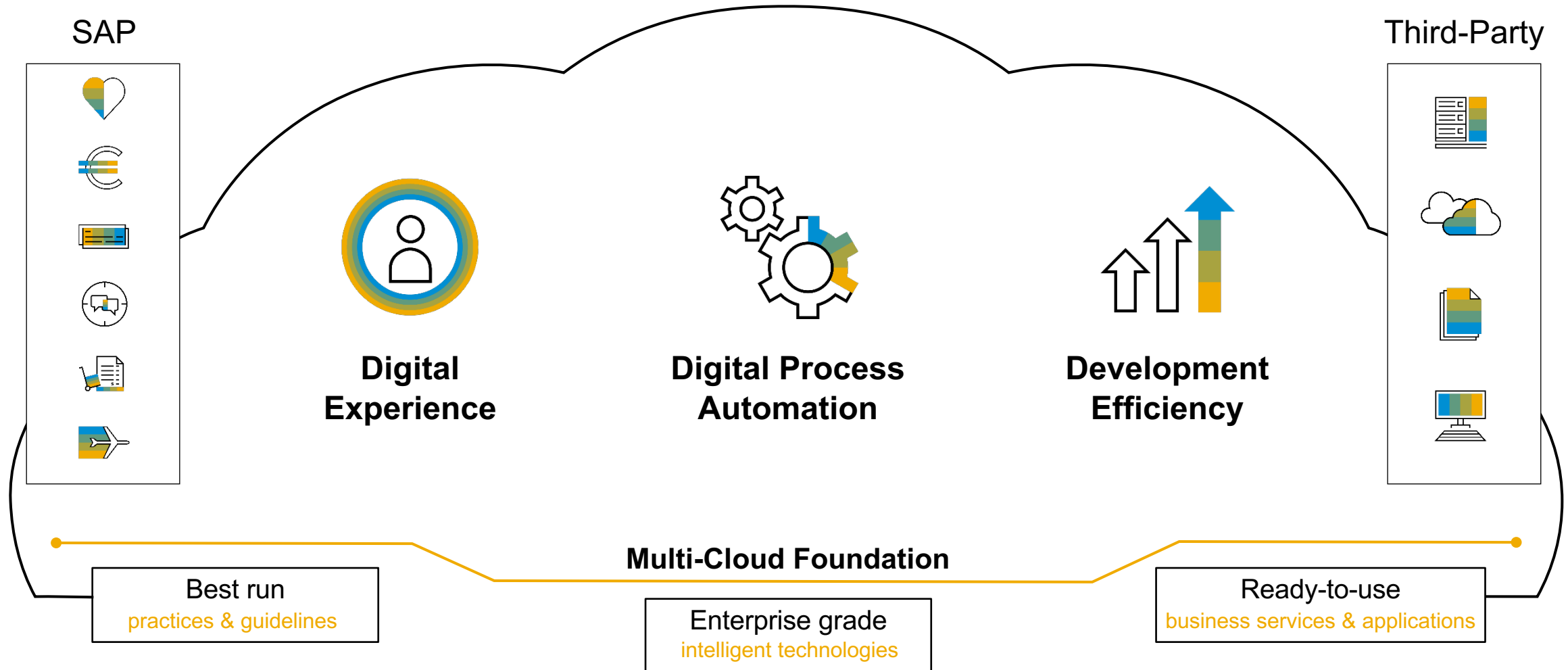


Minimal Risk

- Credits to pilot for free
- Consumption based pricing

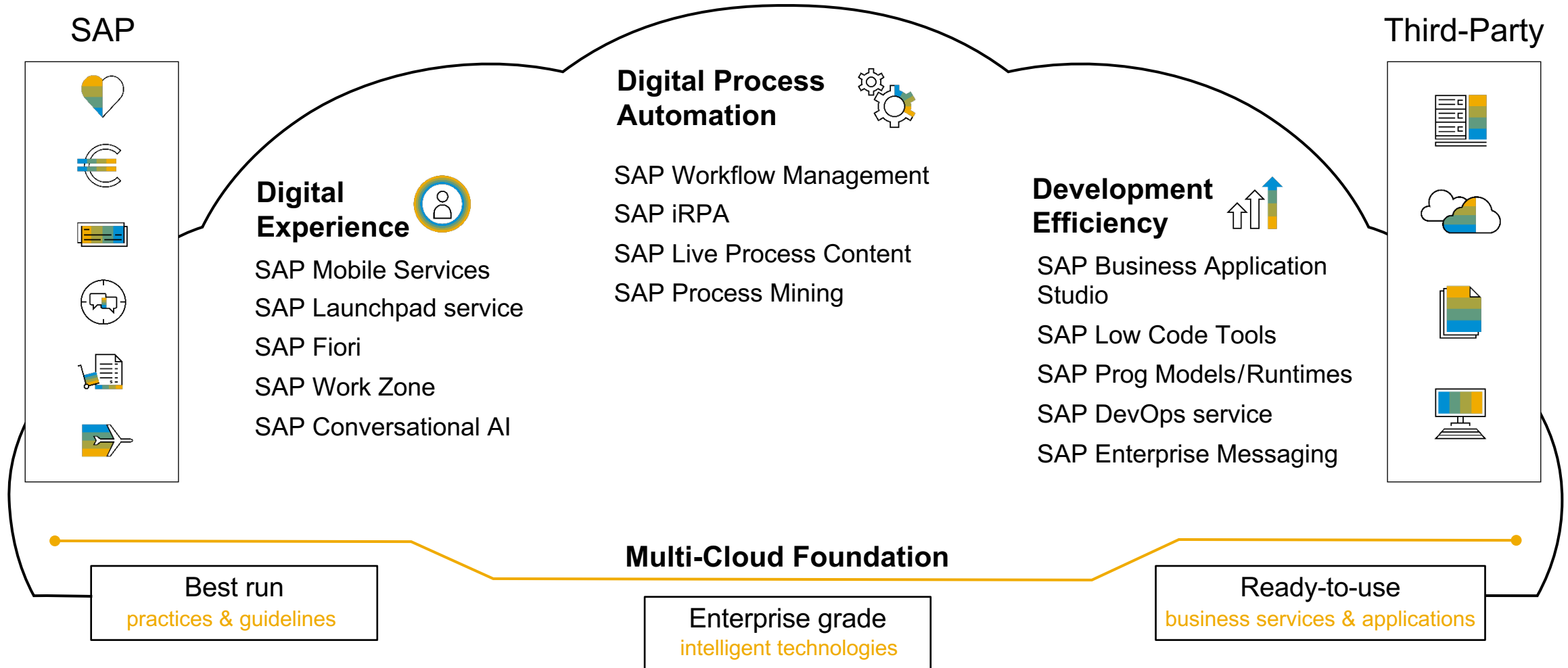
SAP Extension Suite

Simplify development of your application extensions



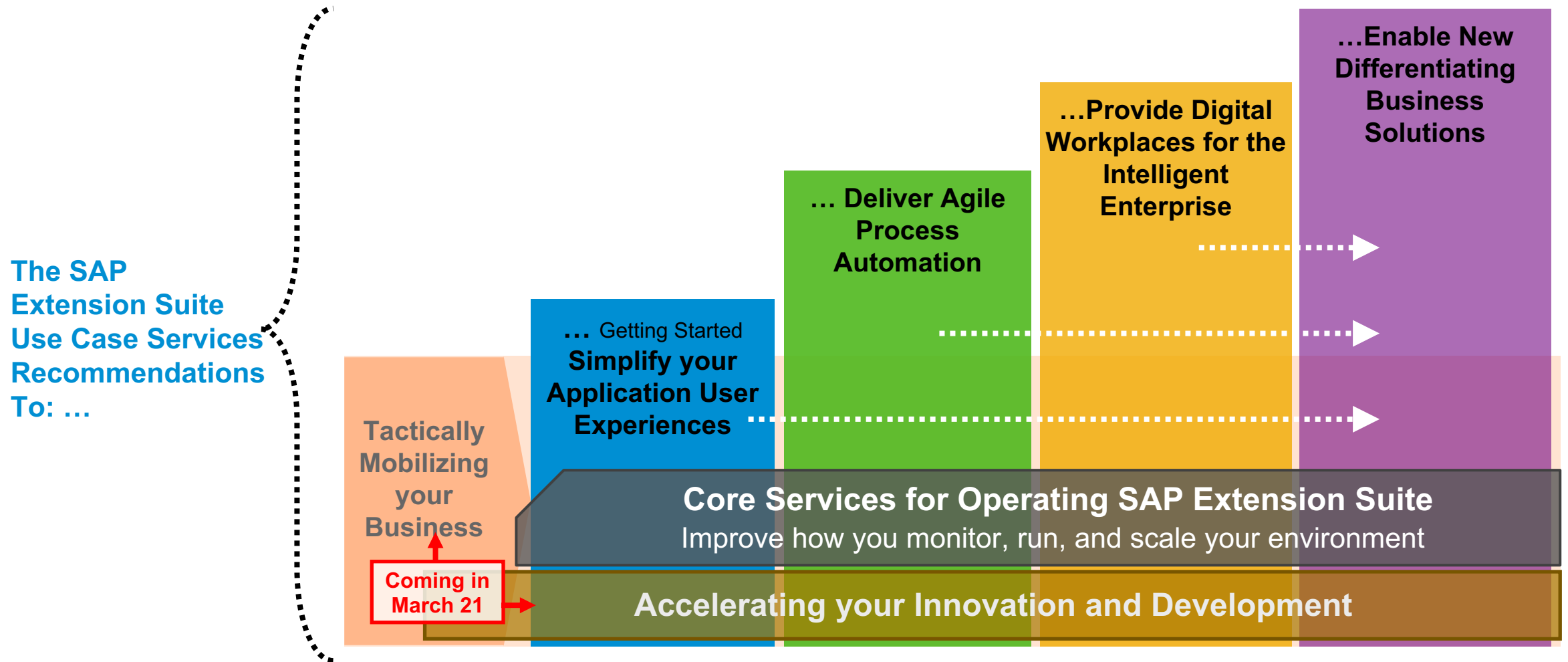
SAP Extension Suite

Simplify development of your application extensions



SAP Extension Suite use case “Recommended Services”

An easy way to start your transformational journey with the Extension Suite



* Additional Use Cases will / may be added over time

SAP S/4HANA + SAP Business Technology Platform



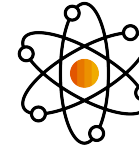
Accelerate and simplify migration

Migrate and maintain relevant data, deliver trusted master data, and keep the core clean by decoupling custom code



Optimize and automate business processes

Integrate, optimize, and automate processes with 1,800+ pre-built integrations and comprehensive tools

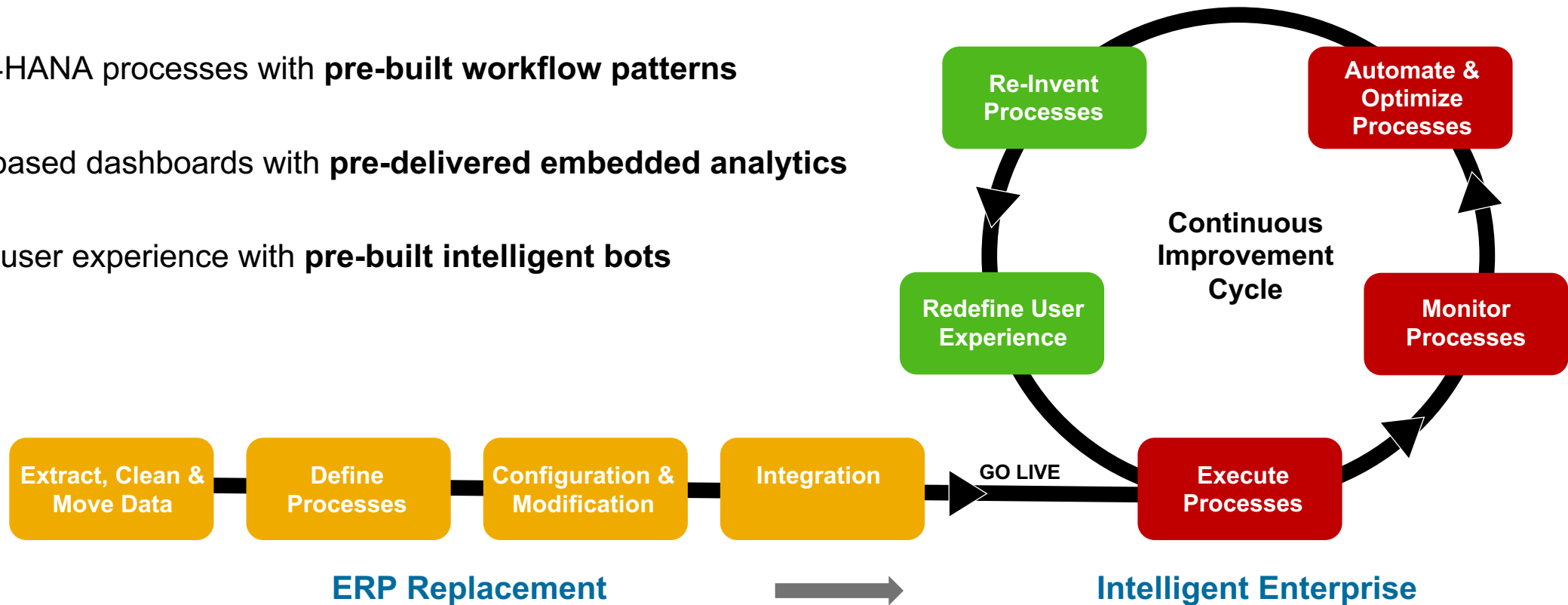


Differentiate to gain competitive advantage

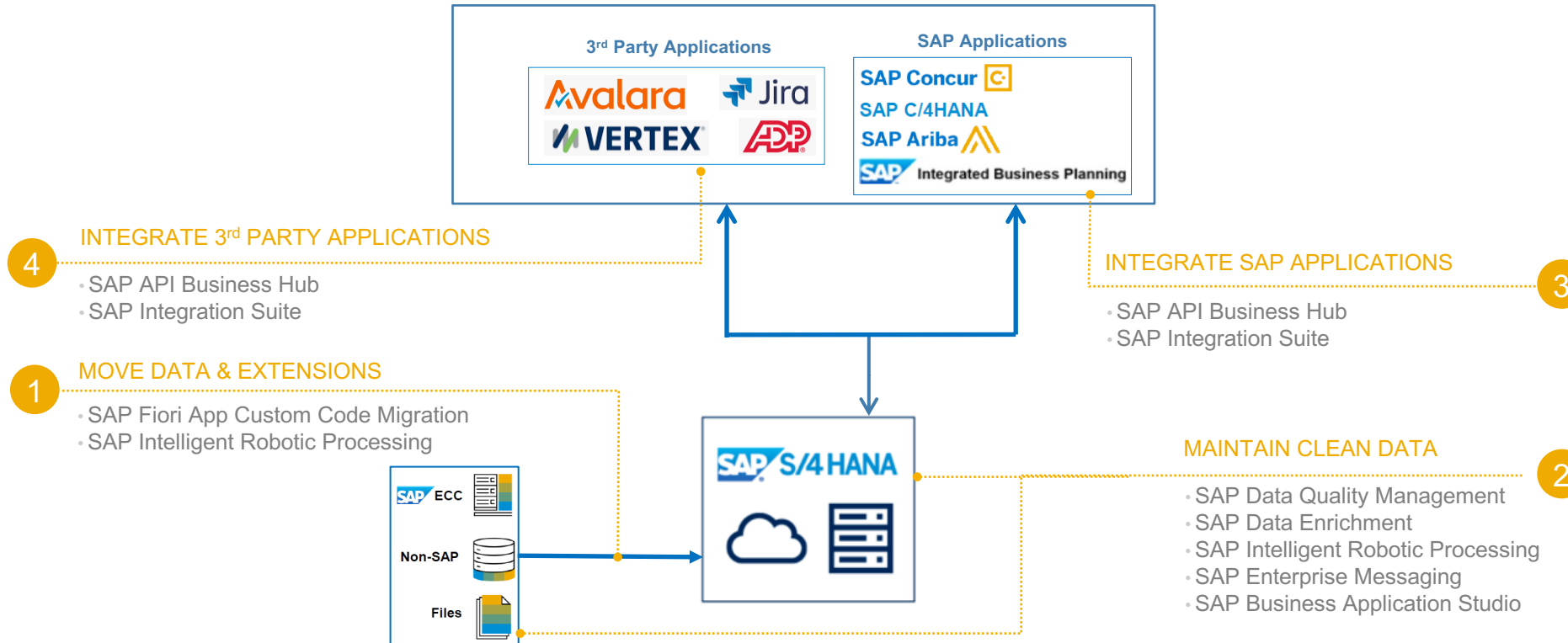
High value Analytics and Intelligent Technologies are embedded in SAP S/4HANA to accelerate customer value realization

BTP Is Purpose Built for the S/4HANA Journey

- Convert data & code with **pre-built conversion services**
- Integrate to SAP & 3rd Party Systems with **pre-defined integration flows**
- Automate S/4HANA processes with **pre-built workflow patterns**
- Create Role based dashboards with **pre-delivered embedded analytics**
- Redefine the user experience with **pre-built intelligent bots**



BTP *Accelerates* Move to S/4HANA



Visit [Discovery Center](#) for more use cases

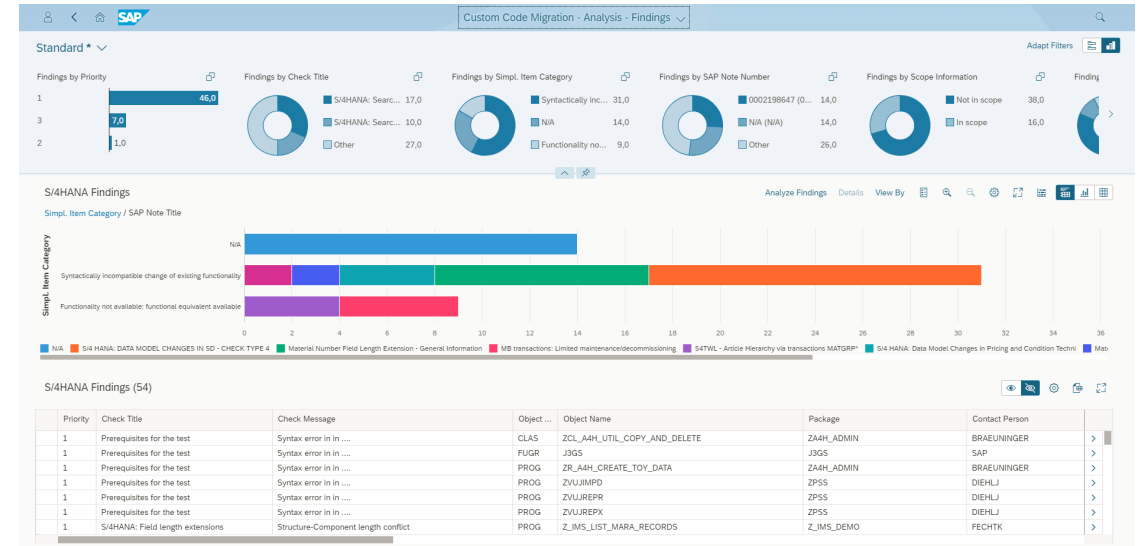
Custom Code Migration App on BTP, ABAP Environment



Challenge: During conversion from SAP ECC to SAP S/4HANA customers need to adjust custom code, which has to be analyzed using the CCM application. For this, customers need a separate ABAP system, which requires either an additional infrastructure on-prem or in the cloud.

Solution: Use SAP BTP, ABAP environment to run Custom Code Migration application in the cloud with no additional on-prem infrastructure efforts.

Design: **Monitor** usage of your custom code with the ABAP Call Monitor (transaction [SCMON](#)). **Aggregate** usage data in your production system with [SUSG transaction](#) (without SAP Solution Manager). **Analyze** usage data in the Custom Code Migration app to define custom code migration scope. **Remove** unused code during the SAP S/4HANA conversion automatically using Software Update Manager



1 unit runtime (16GB) + 4 units persistence (4x16GB) - \$478/mo

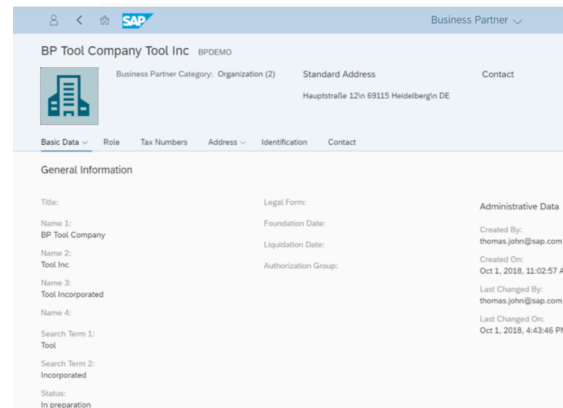
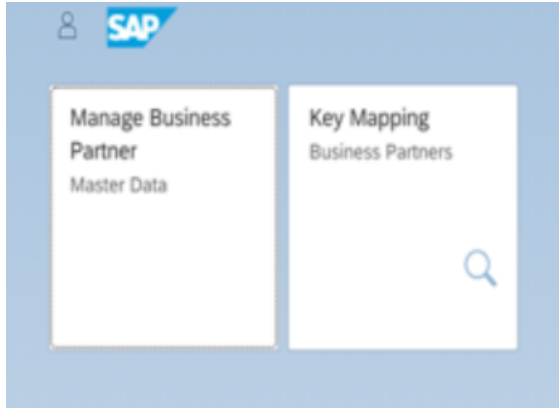
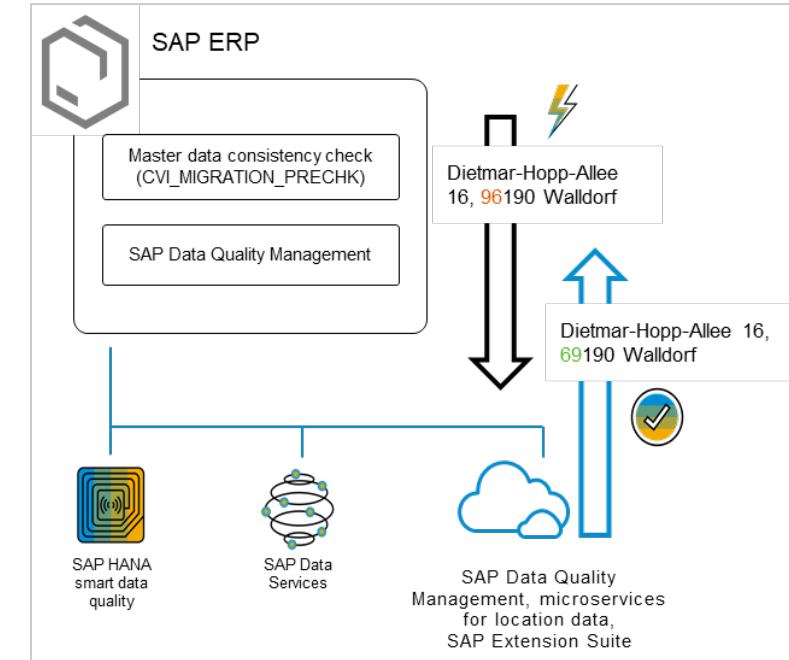
Convert & Clean Business Partner Data



Challenge: Converting system to SAP S/4HANA needs to go through the Customer Vendor Integration process and migrate to Business Partner from the classical ECC data model. This usually brings up a lot of master data inconsistencies, issues in the address data being the most frequent one.

Solution: Use the Master Data Consistency Check in combination with SAP Data Quality Management (DQM) add-on and SAP BTP, DQM Microservice* to execute data quality check and correction. Microservices return a proposal for address data correction.

Design: Besides the on-premises configurations for CVI in your ECC system, you will also need to set-up the SAP DQM add-on and connect it to your DQM Microservices instance in the cloud. Please follow the steps in the blog to see the step by step instruction.



	Base Price	Small	Medium	Large
SAP Launchpad	€1.25 /User /mo	1	5	10
Cloud Master Data for Business Partners	€2,000 for 1,000 API calls /mo	1	5	10
Data Quality Management	€26 for 425 API calls /mo	1	5	10
Business Application Studio (BAS)	€13 / User /mo	1	2	3
Cloud Foundry Runtime	€70 /GB /mo	1	5	10
Estimated List Cost per Year		€ 1.431	€ 6.687	€ 13.218

Explore BTP *Acceleration* Use Cases



MOVE DATA & EXTENSIONS

- [Custom Code Migration Application](#)
- [Business Partner Data Conversion](#)
- [Automated Upload of Documents](#)

MAINTAIN CLEAN DATA

- [Business Partner Background Check](#)
- [Business Partner Master Data Check](#)
- [Eliminate data duplication in your master data](#)¹

INTEGRATE SAP APPLICATIONS¹

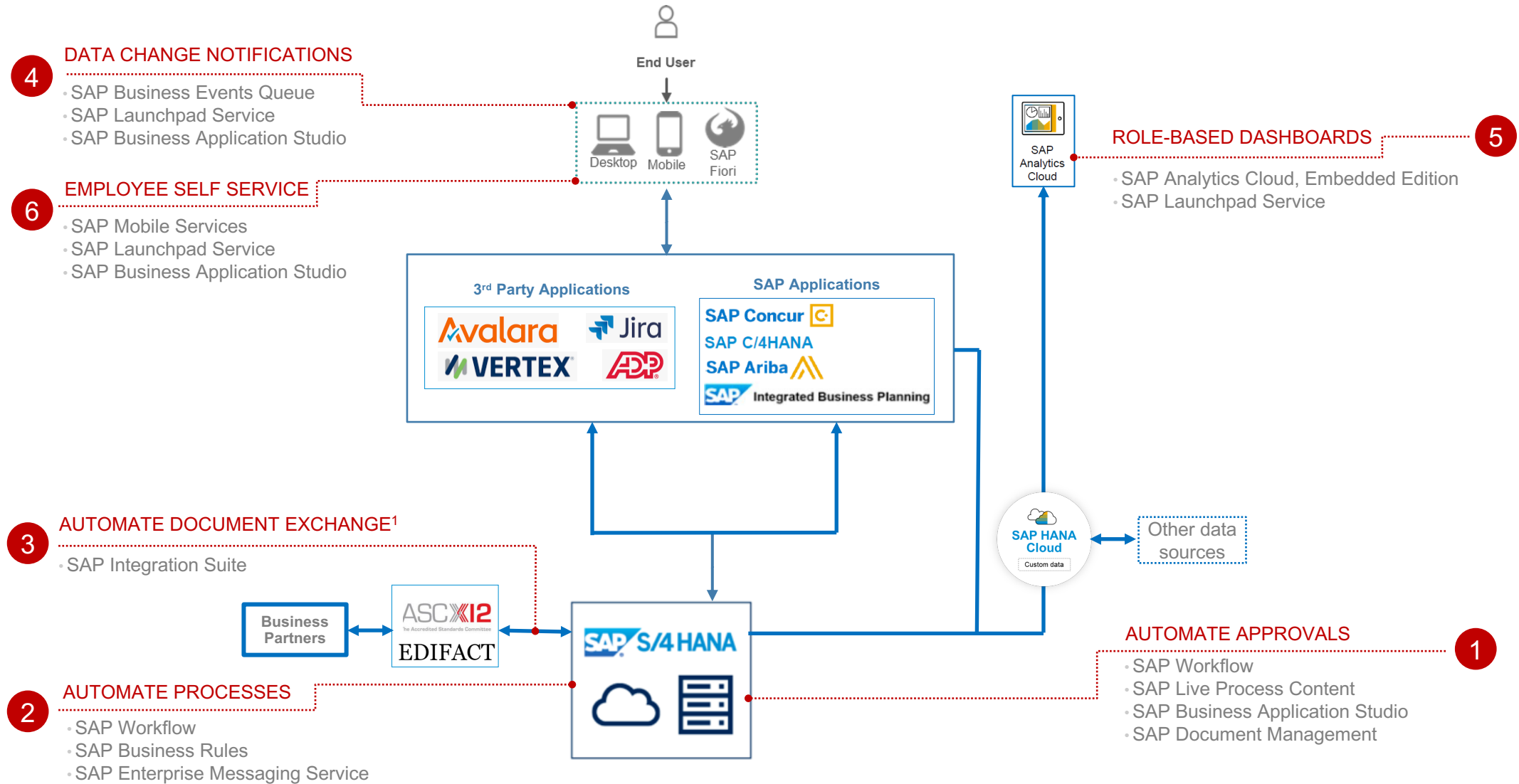
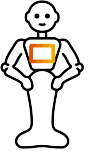
- [Integrate with SAP Concur](#)
- [Synch Purchase Requisition Documents to SAP Ariba Buying](#)
- [Integrate with SAP Field Service Management](#)
- [Integrate with SAP Fieldglass](#)
- [Integrate with SAP Subscription Billing](#)
- [Integrate with SAP SuccessFactors Employee Central](#)
- [Integrate with SAP Supply Base Optimization](#)
- [Integrate with SAP Customer Engagement Center](#)
- [Integrate with SAP Project Intelligence Network](#)
- [Integrate with SAP Market Rates Management](#)

INTEGRATE 3rd PARTY APPLICATIONS¹

- [Publish Documents from SAP S/4HANA Cloud to SharePoint](#)
- [Integrate IAS with Third-party IDP](#)
- [Integrate with OEM Just-In-Time Solution](#)
- [Integrate with Avalara AvaTax](#)
- [Integrate with Vertex Tax Solution](#)
- [Integrate with Third-party Payroll](#)
- [Integrate with Salesforce](#)
- [Integrate with Jira](#)

¹ Credits provide partial discount
Visit [Discovery Center](#) for more use cases

BTP *Optimizes* S/4HANA Processes



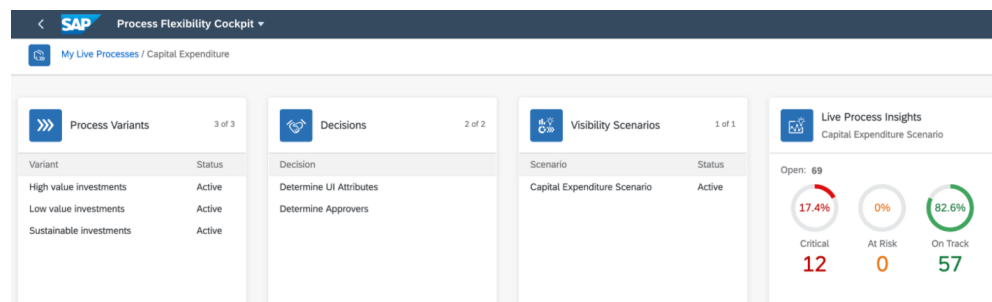
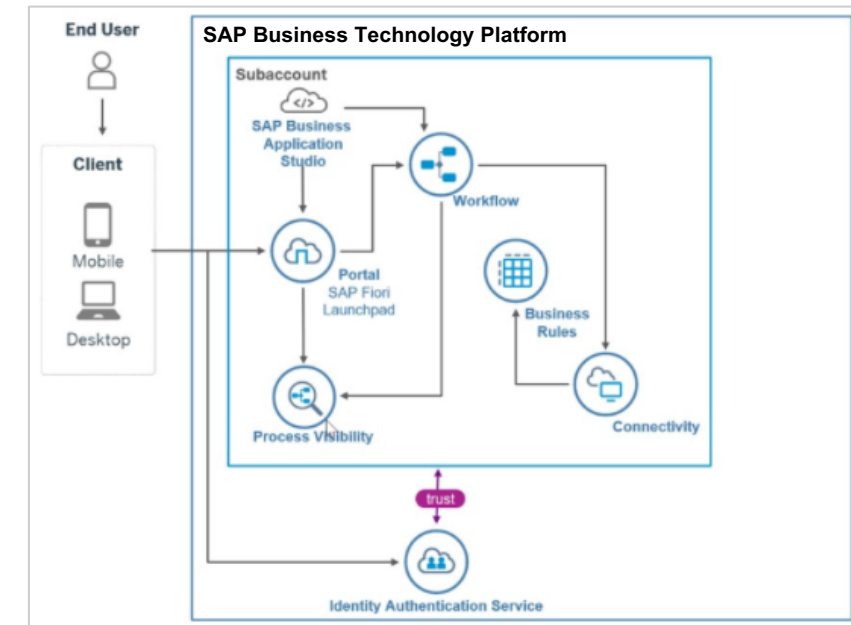
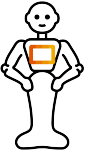
Automate Capital Expenditure Approvals

Challenge: No scalable way to capture capital expenditure requests from around the globe, review them, approve the projects that make sense, and then rapidly deploy funds

Solution: Create an automated capital-approval workflow that supports employees working on development and marketing projects across the company. Reducing the approval times and increasing the number of projects approved keeps the business agile and competitive.

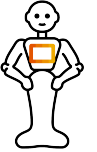
Design:

1. IT models and builds core workflow using SAP Workflow Management
2. Workflow accesses data in S/4HANA and other systems via REST APIs and Cloud Connector
3. Business Analysts create and modify approval rules using drag & drop SAP Business Rules
4. Business Analysts track and monitor running processes using SAP Visibility
5. SAP Launchpad provides single point of entry for all operational tasks
6. End users approve expenditures using SAP Launchpad Inbox or email



	Base Price	Pilot	Small	Medium
SAP Launchpad	€1.50 EURO/User /mo	30	200	1,000
SAP Workflow	€3 EURO /usr /mo	30	200	1,000
Business Application Studio (BAS)	€13 EURO / User /mo	1	2	3
List Cost per Year		€ 1,776	€ 11,112	€ 54,468

Explore BTP *Optimization* Use Cases



AUTOMATE APPROVALS

- Automate Payment Data Approvals
- Automate Capital Expenditure Approvals
- Automate Purchase Requisition Approvals
- Add additional approval steps to an SAP S/4HANA standard process
- Automate Document Centric Approval Process

AUTOMATE PROCESSES

- Automate Contract to Purchase Requisition Assignment

AUTOMATE DOCUMENT EXCHANGE¹

- Automate Supplier Document Exchange
- Automate Procurement Document Exchange

DATA CHANGE NOTIFICATIONS

- New/Changed Sales Order Alerts

ROLE-BASED DASHBOARDS

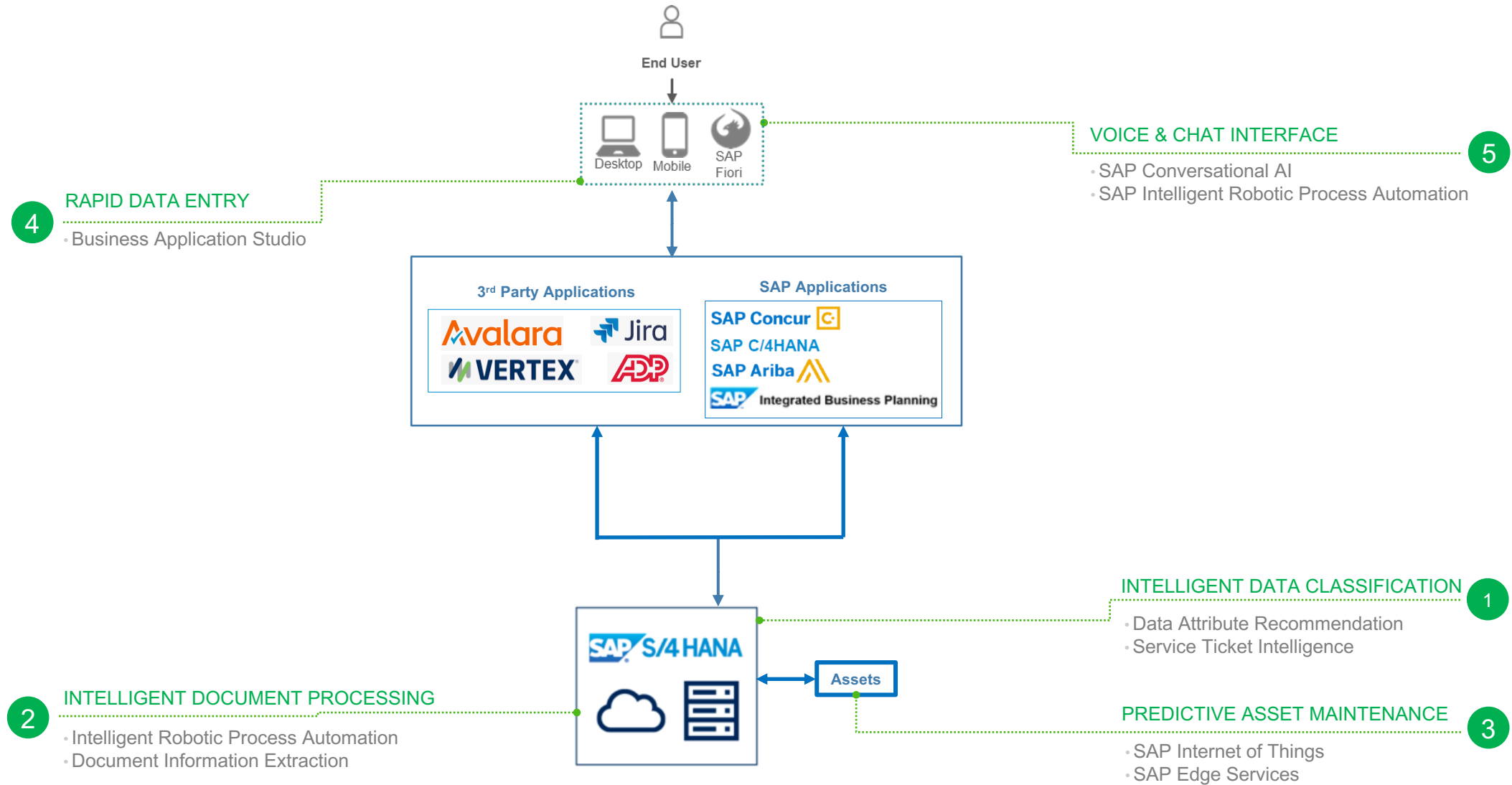
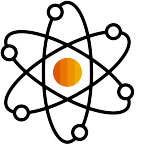
- Live HR Data Cross-Suite Reporting

EMPLOYEE SELF SERVICE

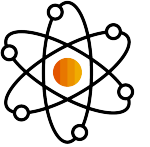
- Mobile Access to HR Data
- Mobile Self Service for Remote Workers

¹ Credits provide partial discount
Visit [Discovery Center](#) for more use cases

BTP *Differentiates* S/4HANA for Advantage



Automate Document Data Extraction

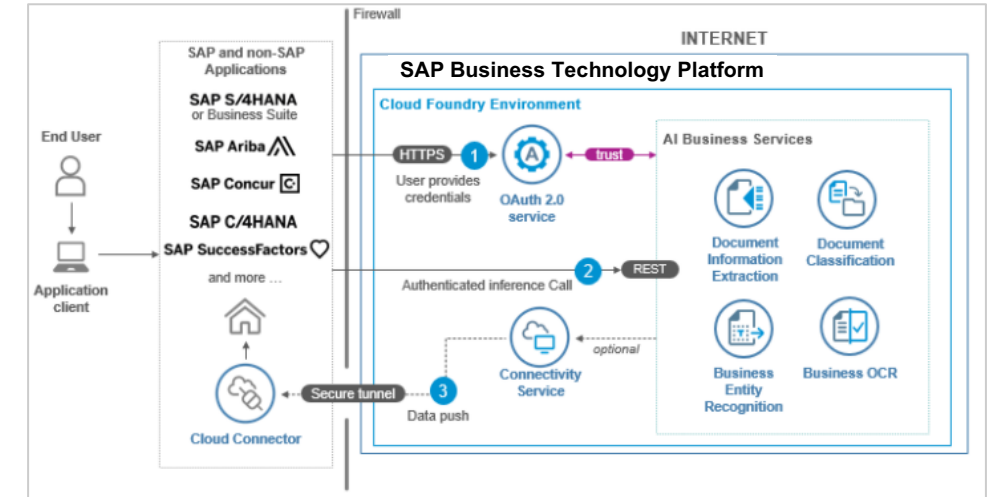


Challenge: : Invoices often come in PDF or PNG formats. These invoices, which contain several data fields, must be manually entered into S/4HANA. Manually processing a large number of invoices is tedious, expensive and error prone.

Solution: Document Extraction extracts specific fields, and auto populates the data into S/4HANA. It flags any data discrepancy errors that may be need to be corrected. This improves productivity and accuracy while freeing resources to work on higher value tasks.

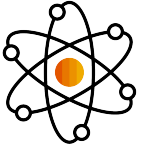
Design:

1. Build simple extraction application using iRPA
2. Documents are authenticated using Oauth and uploaded using REST API.
3. Use the Document Information Extraction service to extract specific fields from the document.
4. Use Document Classification to populate S/4HANA and flag any potential errors




	Base Price	Small	Medium	Large
Intelligent RPA	€500 for 10 concurrent executions /mo	1	2	3
Document Information Extraction	€20 for 100 documents /mo	1	5	10
Estimated List Cost per Year		€ 6,200	€ 13,200	€ 20,400

Access Documents via a Chatbot

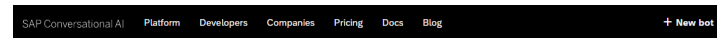
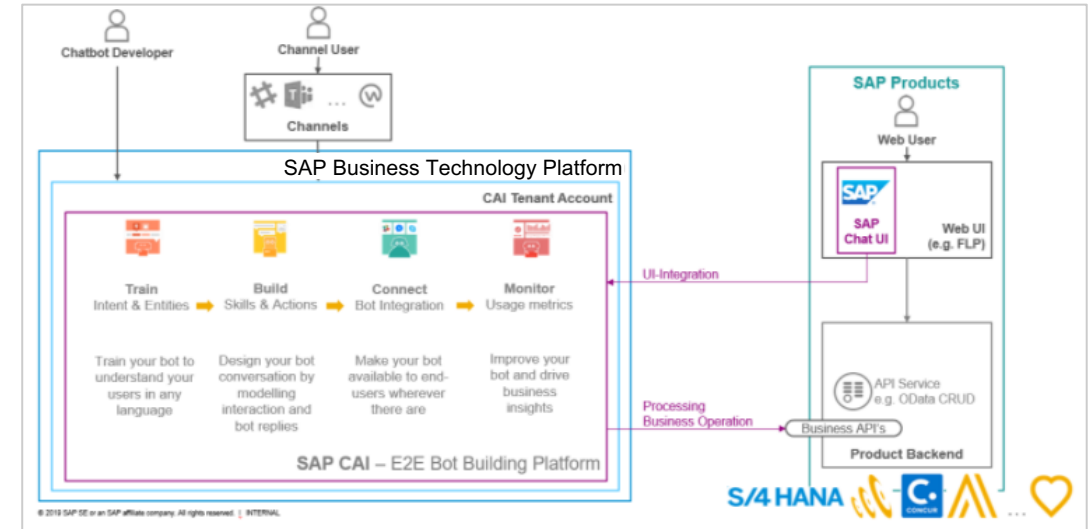


Challenge: Employees cannot find invoice & purchase request documents and their status quickly

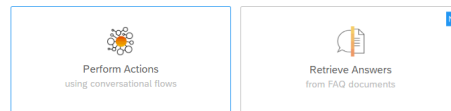
Solution: Deploy chatbot that employees can quickly and easily request documents and status using natural language. Enable better and faster decision-making and process execution.

Design:

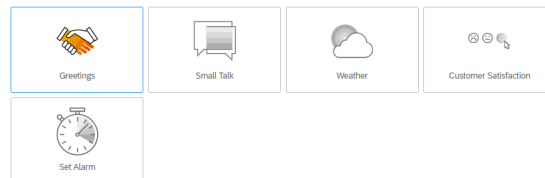
1. Use SAP Conversational AI drag & drop UI to quickly build chatbot logic.
2. Pull data from S/4HANA in real time using REST APIs and Cloud Connector.
3. Employees access chatbot from S/4HANA, 3rd party collaboration, SAP Launchpad or mobile device.



1 What do you want your chatbot to do?

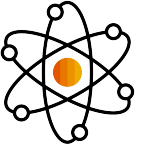


2 Select predefined skills for your bot



	Base Price	Small	Medium	Large
Conversational AI	€300 for 1000 chats /mo	1	2	4
Cloud Foundry Runtime	€70 EURO /GB /mo	4	8	16
Estimated List Cost per Year		€ 7,000	€ 13,900	€ 27,800

Explore BTP *Differentiation* Use Cases



INTELLIGENT DATA CLASSIFICATION

- Automate Material Data Classification
- Automate Ticket Handling with Service Ticket Intelligence

INTELLIGENT DOCUMENT PROCESSING

- Automate Document Processing
- Automate Document Data Extraction
- Automatic Return Creation from Excel

PREDICTIVE ASSET MAINTENANCE

- IoT enabled Field Service Management to automate Service Calls

RAPID DATA ENTRY

- Quick Work Time Entry

VOICE & CHAT INTERFACE

- Access documents via a chatbot.
- Supplier Invoice Status Checks

SAP S/4HANA + SAP Business Technology Platform



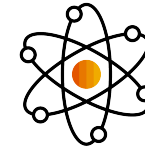
Accelerate and simplify migration

- Move Data & Extensions
- Keep Data Clean
- Integrate SAP Applications
- Integrate 3rd Party Applications



Optimize and automate business processes

- Automate Approvals
- Automate Processes
- Automate Document Exchange
- Data Change Notifications
- Role-Based Dashboards
- Employee Self-Service



Differentiate to gain competitive advantage

- Intelligent Data Classification
- Intelligent Document Processing
- Predictive Asset Maintenance
- Rapid Data Entry
- Voice & Chat Interface

Discover these use cases and more:

SAP Extensibility Explorer

SAP API Business Hub



SAP Intelligent Robotic Process Automation Store



SAP Discovery Center

Call to Action & Resources

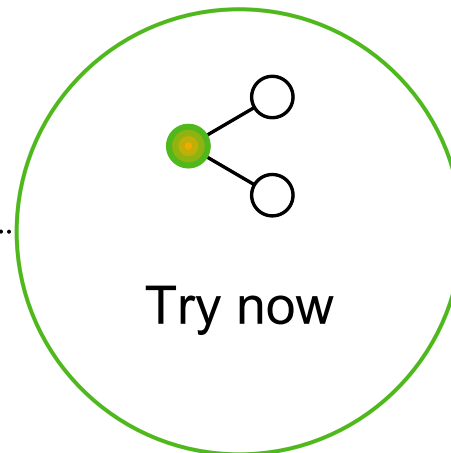
1. **Explore** BTP use cases to ensure a successful S/4HANA deployment
2. **Pilot & Deploy** use cases for up to 200 employees for **FREE**
3. **Contact** your BTP Customer Success Partner for **FREE** coaching and advice
4. **Schedule** a **FREE** BTP Value Workshop with your SAP Representative to discover additional use cases and design a customized roadmap



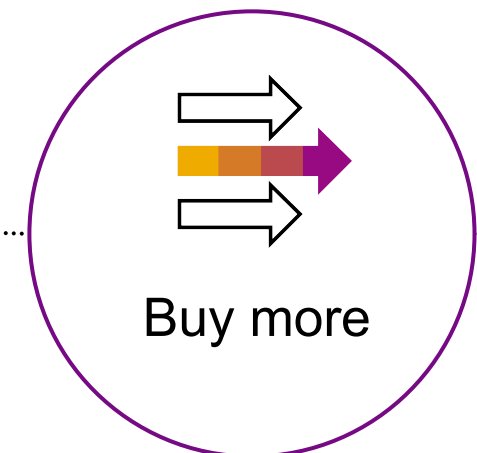
[Visit sap.com](https://sap.com)



[Find a story](#)



[Try SAP BTP](#)



[Get plans and pricing](#)