



INTELLIGENT **ROBOTIC PROCESS AUTOMATION**

Optimize and Accelerate Business
Process Automation using **SAP**
Intelligent RPA



Today's Agenda

- Introduction to Crave
- Why RPA – The need of Robotics Process Automation Technologies
- Future-proof Process Excellence through SAP Intelligent RPA
- USE cases explanations
- Application Demo
- Q & A session

Transforming Industries One at a Time

Our Journey



Empowering End-to-End Digital Transformation

At Crave InfoTech we believe in empowering enterprises with the right technologies to become truly digital with the help of **AI driven automation & paperless operations**. Our Digital Business Services are ready to help you build, succeed as an **Intelligent Enterprise** and accelerate faster value creation with greater visibility, focus and agility. We help our clients **Reduce Total Cost of Ownership (TCO) by up to 80%** using our pre-packaged Apps and rapid deployment methodology.

Why Crave InfoTech?

We are Simply the Best!



We are an award-winning SAP PE-build, PE-Sell & PE-Services partner who can successfully implement complete enterprise solutions, minimizing total cost of ownership, with quick deployment and a lasting impact not just for efficiency but also total audit-ready compliance.

15+ Years of providing niche SAP consulting across industries

50+ Pre-packaged products for SAP EWM, IAM, AIN, PDMS & ASPM

50+ Large enterprise customers served successfully

150+ Team size ensuring service delivery round the clock

Partners



Certifications



Awards



Winner SAP ACE 2018



SAP Business One Seed award finalist



SAP Pinnacle Award Finalist



Runner up in SAP And Google App Contest



Application Listed in top 5 globally



App application valid on ZEBRA devices

Crave is the Right Partner to Embark with You on Your Digital Journey

Crave InfoTech offers **50+ pre-packaged applications** focused on multiple industry use cases around SAP. Our applications are **80%-90% implementation ready** with the least deployment time or customizations required. Our pre-packaged apps compliment SAPs standard offerings, enabling 100% operational automation.

We Have It All!

CRAVE INTELLIGENT ASSET MANAGEMENT

- SAP EAM offerings – AIN, Asset Manager, Predictive Maintenance
- Crave Maintenance mobile apps – Calibration, Breakdown, Preventive, Facility
- Crave SAP PM applications- Flexible scheduling, Flexible dispatch

CRAVE INTELLIGENT WAREHOUSE MANAGEMENT

- Android in Warehouse
- Web Console to cWMS
- TEKonsole to cWMS
- ITS Mobile to cWMS
- Voice enabled order picking
- Smart order picking using Augmented reality
- Streamlined picking using indoor forklift mapping
- Barcode and RFID enablement

CRAVE INTELLIGENT SUPPLY CHAIN AUTOMATION

- Connected Assets – tracking
- Truck Latency Management
- Yard Management
- Last mile tracking
- Venue mapping and inside plant routing
- Barcode & RFID enablement

CRAVE BUSINESS TECHNOLOGY PLATFORM (BTP)

- Keep S/4 Clean
- Side by Side Extensions
- Design Thinking
- Process Automation Powered by Intelligent RPA, Workflow, Work Zone, CAI
- Integration Suite
- Enterprise Mobility
- HANA Database and Data Science
- Fiori and UI/UX
- AI, ML, and Predictive Analytics

CRAVE INTELLIGENT ENTERPRISE

- SAP S/4 HANA
- UI / UX
- SAP Business One
- Implementation, Support and Resource augmentation



SAP SERVICE OFFERINGS

The SAP logo is displayed in white, bold, sans-serif font on a blue background that is part of a larger graphic element on the left side of the slide.The word "Partner" is written in white, bold, sans-serif font on a blue background, positioned below the SAP logo.

SAP ECC & S/4 HANA
Implementation & Support

SAP BTP
Implementation & Support

SAP WM & EWM
Implementation & Support

SAP EAM
Implementation & Support

SAP UI5/FIORI
Implementation & Support

SAP INTELLIGENT RPA, CAI &
WORKFLOW
Implementation & Support

SAP CPI
Implementation & Support

SAP ANALYTICS CLOUD
Implementation & Support

OUR CLIENTS

Life sciences



Utilities



Water & Oil & Gas



Manufacturing



Crave InfoTech's Pre-packaged Product Suite to Enable Robust Implementation of SAP BTP

Enterprise Asset Management

- cMaintenance
- cCalibration
- cFacility

Supply Chain

- cWarehouse (Inbound, Outbound, Cycle Count, Internal)
- cSDC
- cDSD

Connected Assets & IOT (cTrack)

- Cold Regulatory Compliance
- Telematics
- Geo Enablement
- Route Optimization

Omni-channel (cApprovals)

- PR & PO
- Service Entry
- Payments
- Cart
- Invoice
- Notification
- Work Order
- Sales Order for Credit
- Leave & Timesheet

MDM

- cBP (Business Partner Management)
- cMaterial (Material Management)



Product Life-cycle Management

- cPOM (Production Order Management)
- cEforms (Production Order Management)
- cAHUFM (Air Handling Unit Filter Management)

Order to Cash

- cSFA (Sales force Automation)
- cDCN (Digital Customer Network)

Management Dashboard

- cCCM (Change Control Management)
- cProjects (Project Management)
- cDashboards

Human Capital Management

- cEmployee Performance
- cITdeclaration
- cEmployee Confirmation

Combine and Integrate Intelligent Technologies and Business Applications to Achieve Intelligent Robotic Process Automation



Think

Machine learning

Listen and Speak

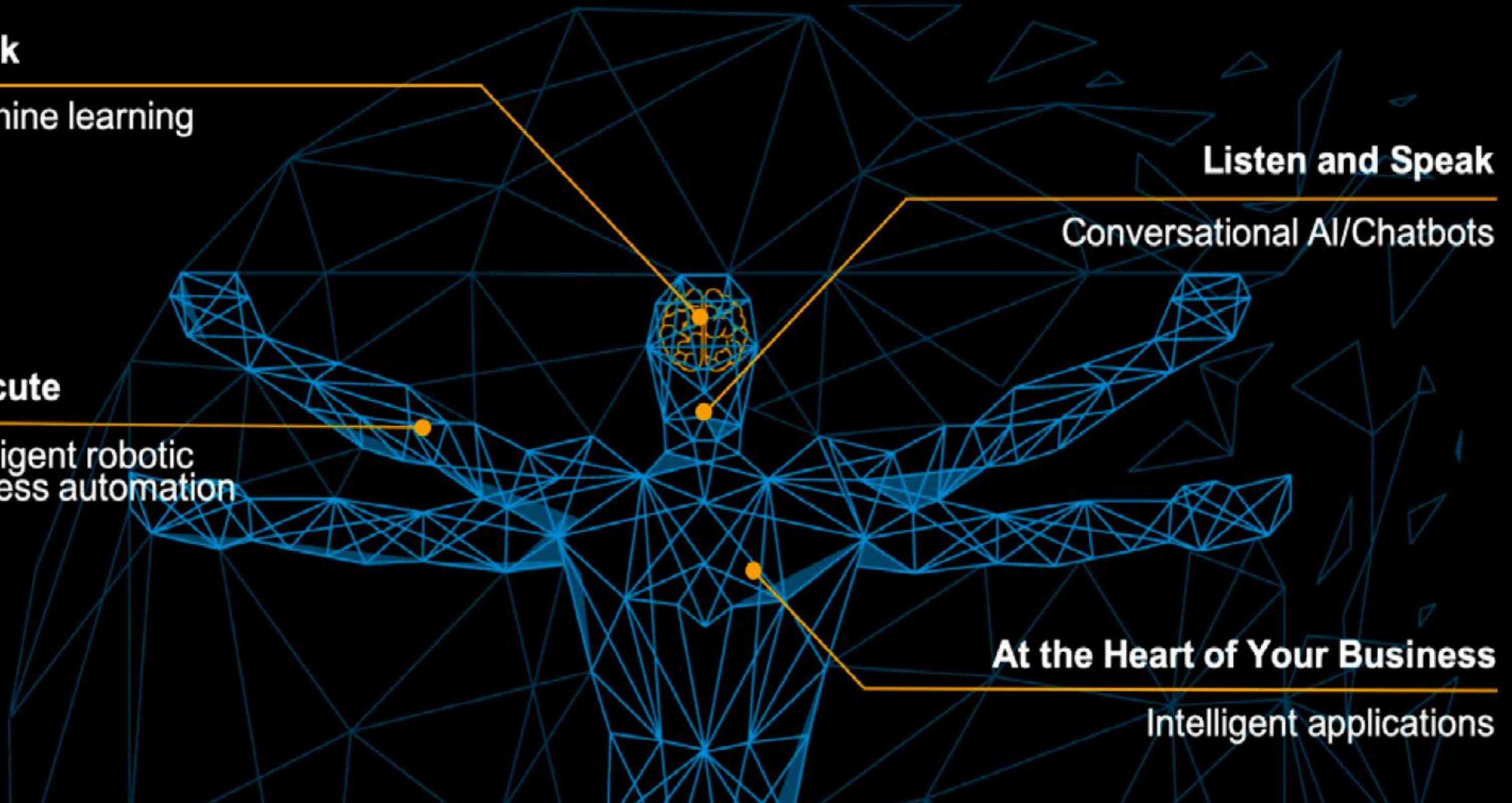
Conversational AI/Chatbots

Execute

Intelligent robotic process automation

At the Heart of Your Business

Intelligent applications



SAP Intelligent RPA - Crave InfoTech Expertise

Accelerate digital transformation by automating repetitive tasks in business processes.

Intelligent RPA

300+

SAP Standard
Bots

24+

Crave InfoTech
Developed Bots

Intelligent RPA Solutions & Use Case

100+

Finance

50+

Sourcing &
Procurement

40+

Sales

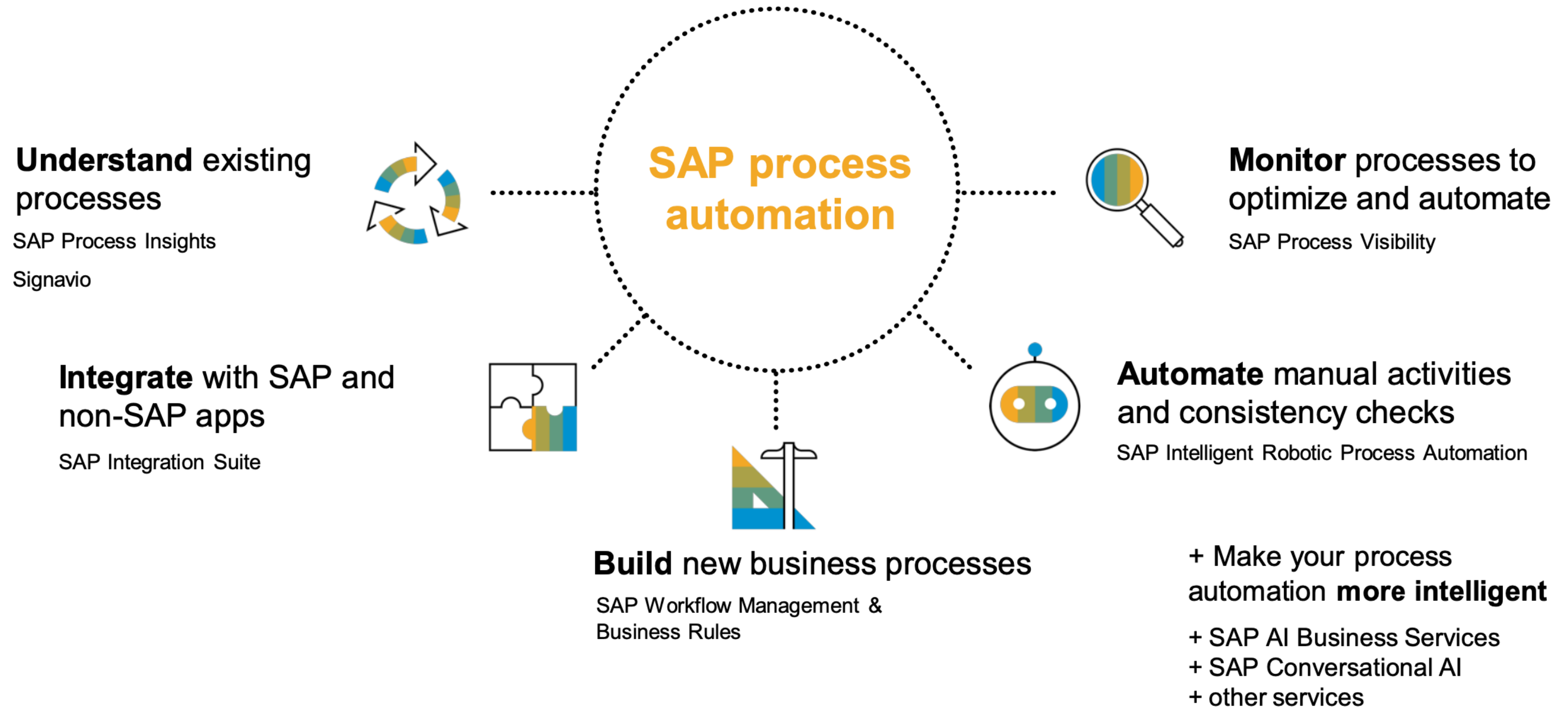
30+

Production

140+

Professional
Services

Future-Proof your Processes with Business Technology Platform



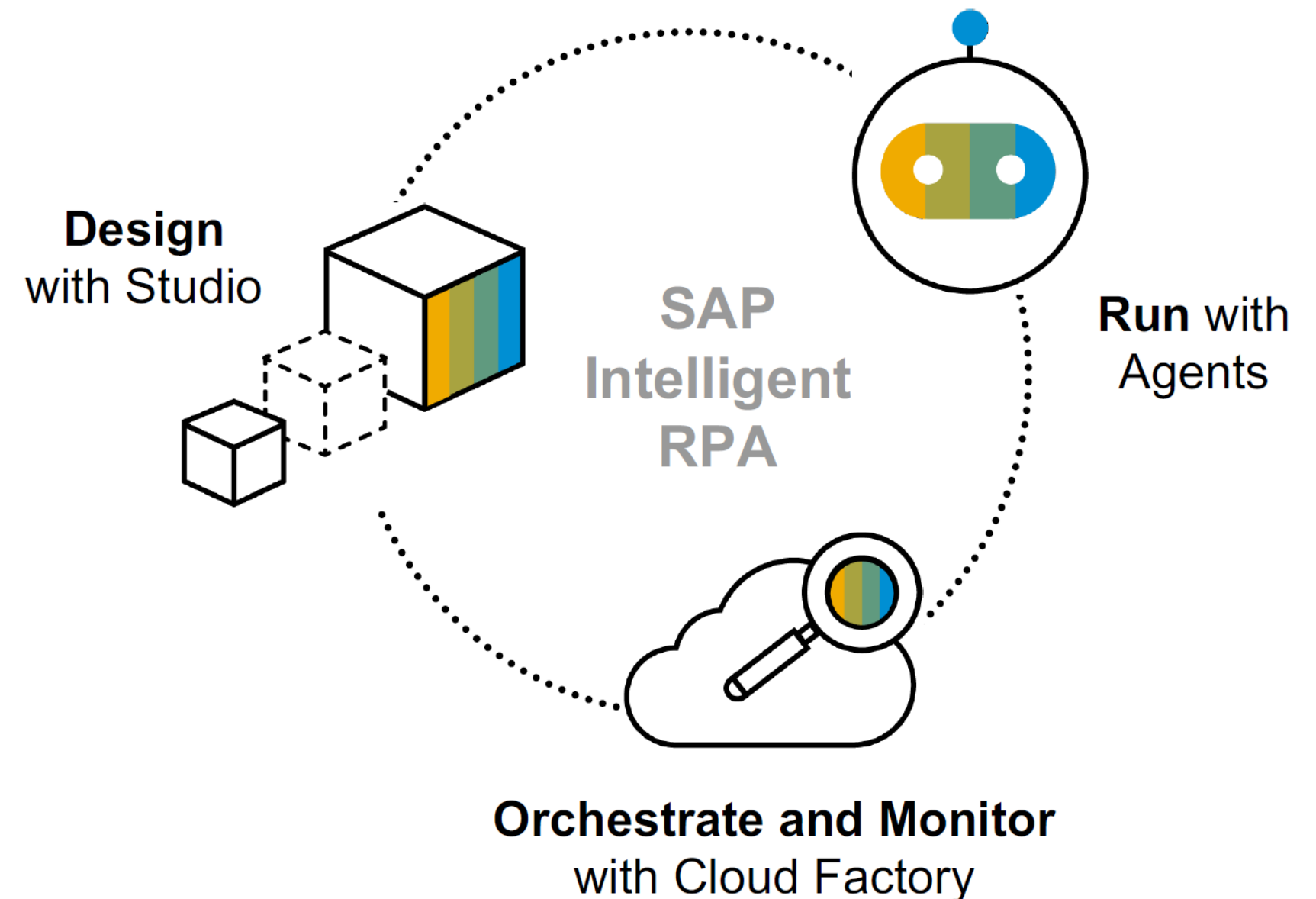
SAP Intelligent Robotic Process Automation (RPA)

Accelerate digital transformation by automating repetitive tasks in business processes

WHO Expert developers, citizen developers and business process experts

WHAT Build bots to **augment** and **automate** human tasks across LoBs and Industries

WHY Save time, costs and reduce human errors in business operations.



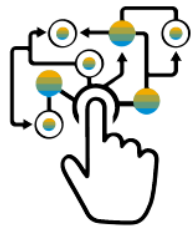
Criteria for Selecting Processes for Automating with Intelligent RPA



Manual & repetitive



High volume



Multiple systems



Workaround for native integration

Collect Data

- Consolidate and manipulate data from multiple data sources, e.g. MS Excel, vendor portal, SAP systems
- Access multiple applications during process execution, e.g. web application, ERP, non-SAP systems

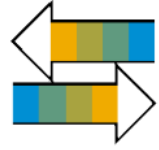
Collaborate, trigger user action, and communicate

- Approval follow-up with multiple stakeholders
- Workflow trigger
- Automatic service ticket resolution
- Monthly reports
- Email integration

Improve user productivity

- Process acceleration and enhancement with a digital assistant, e.g. integration of chatbots and RPA bots to perform operational work on user's behalf.
- Part of the processes are completely executed by bots, e.g. 24/7 execution

Where SAP Intelligent RPA Creates Value



Shared services

Execute faster, reduce errors, and optimize processes by automating manual tasks



Customer service

Increase customer satisfaction through automation



Financial transformation

Accelerate financial closings, reduce manual efforts, and optimize resources



Operations

Automate, monitor, and increase the visibility of tasks



Data management

Accelerate onboarding for employees and customers, and increase master data consistency



[Use Case Discovery](#)



Discrete/Production



Financial Services/Trading



Energy & Natural Resources



Customer/Retail



Public Services

How is SAP Intelligent RPA different

Unrivaled ability to automate and integrate with **SAP applications**

Hyperautomation:

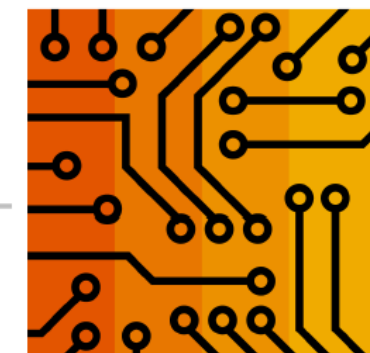
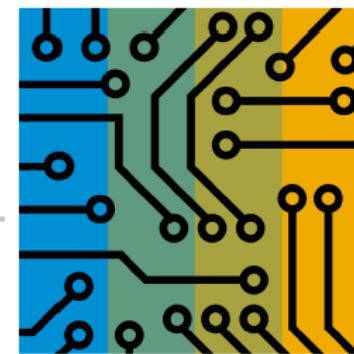
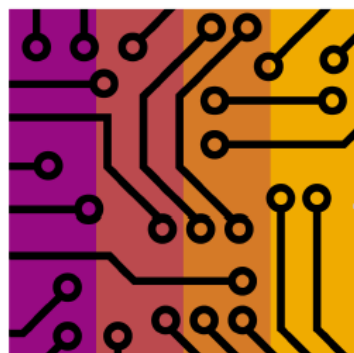
- Native Integration with SAP Intelligent BPM
- Technology connectors to ensure clean application drive
- Dedicated connectors to SAP UI5 / Fiori and SAP GUI
- Integration with SAP Conversational AI

Developer Experience:

- Event-based capture
- Editable JavaScript
- State-of-the-art Debugger

Performance:

- High reliability
- High performance (robot speed)
- Low footprint on desktops/servers



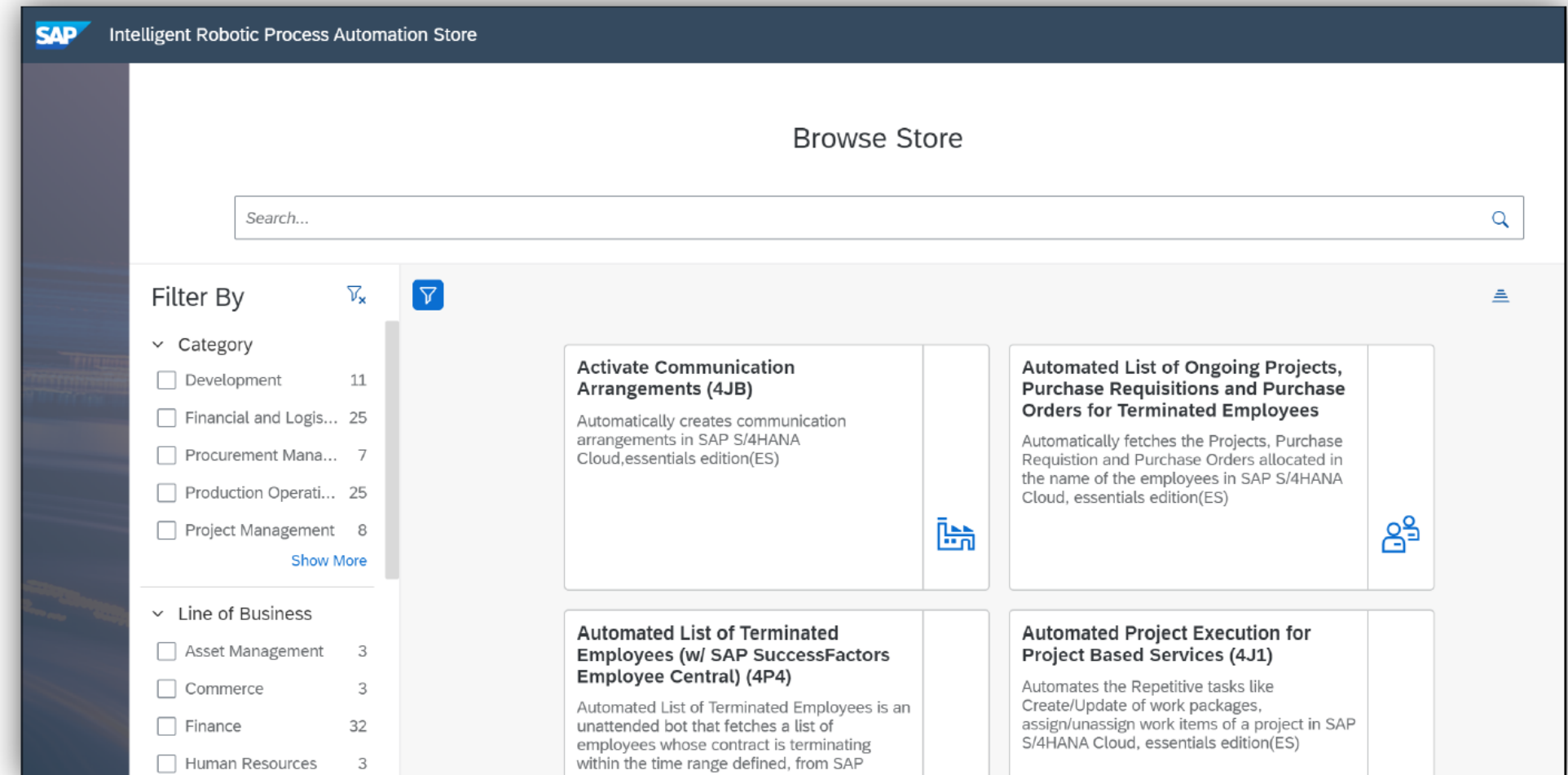
How is SAP Intelligent RPA different

Pre-built Bot Content on the Store

Bot samples to implement Best Practices for SAP:

- Finance
- Sourcing & Procurement
- Sales
- Production
- Professional Services
- Data Management

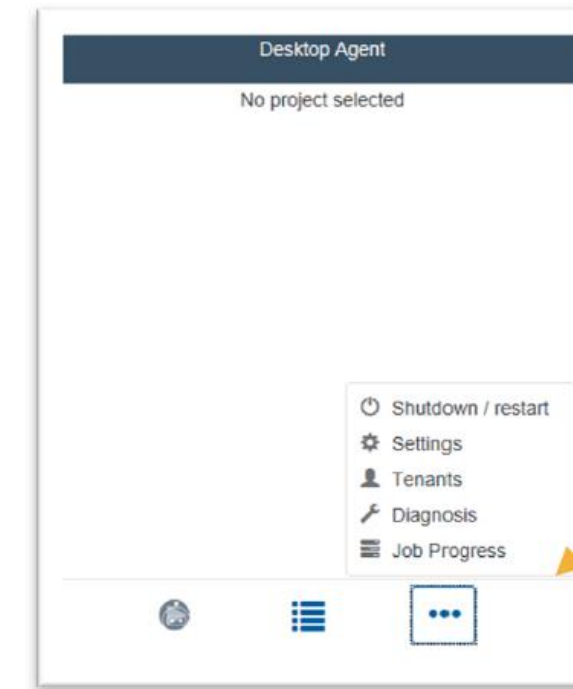
Browse the [SAP Intelligent RPA Store](#)



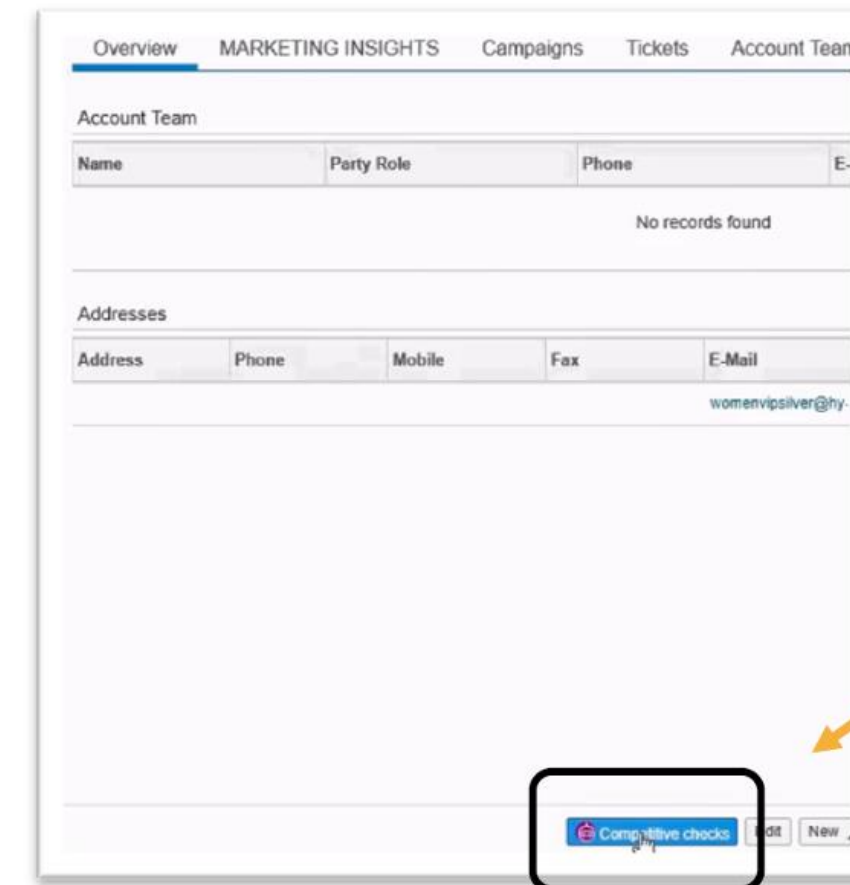
How is SAP Intelligent RPA different

Ability to enhance the **user experience** in attended mode

- Introduce guidance
- Simplify the application journey
- Reduce learning curves
- Reduce required mastership
- Communicate with the human user
- Keep the process control



Menu available from systray



Adding buttons on UI to start bots

Customer Use Cases and Demo

Material Stock Availability Check SAP CAI and Intelligent RPA

SAP AI/ML Diagram

Bot User



File path of material



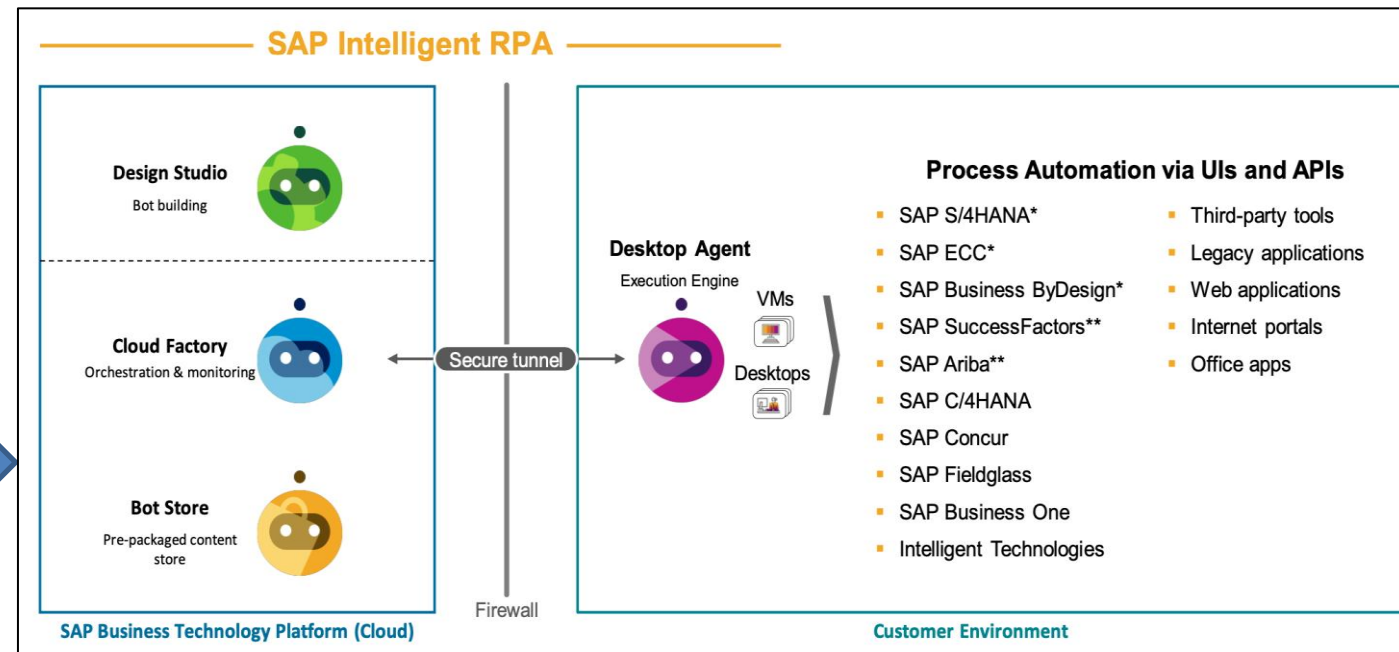
SAPCAI



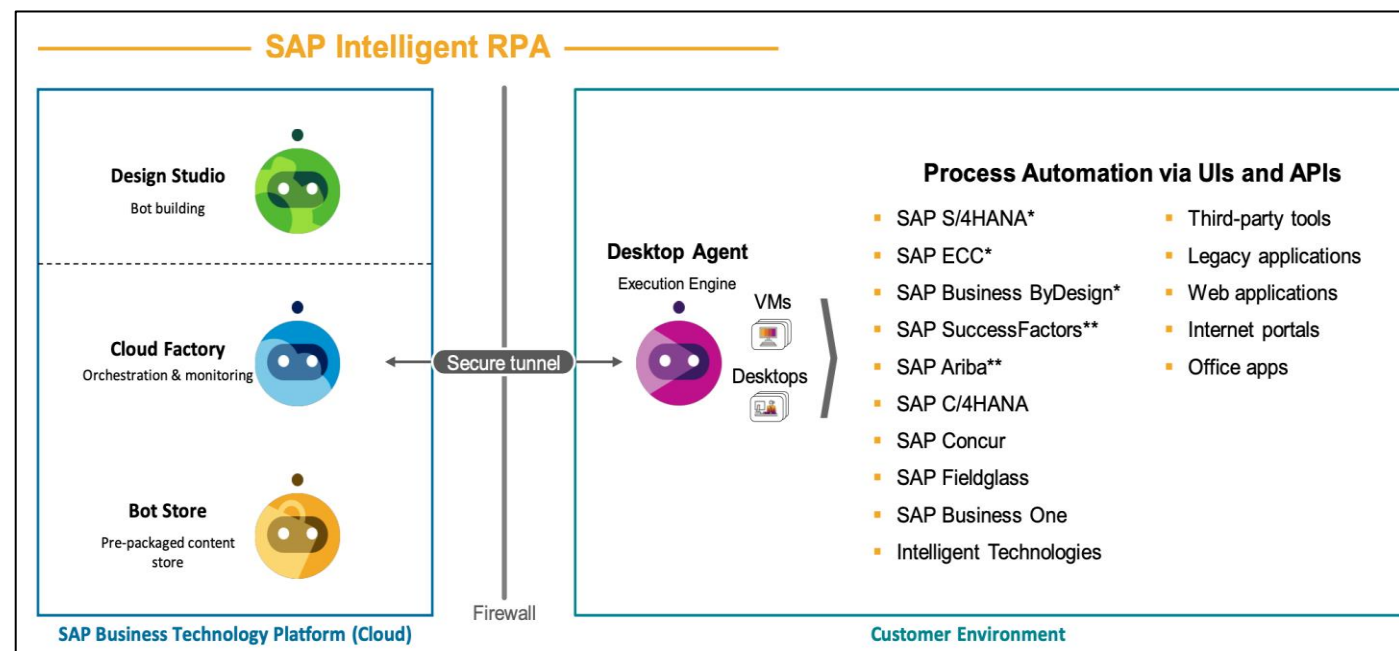
Trigger bot via API



Stock Requirement List MD04(ECC)



Trigger bot via API



Read material details



Process in SAP GUI



Generate output excels



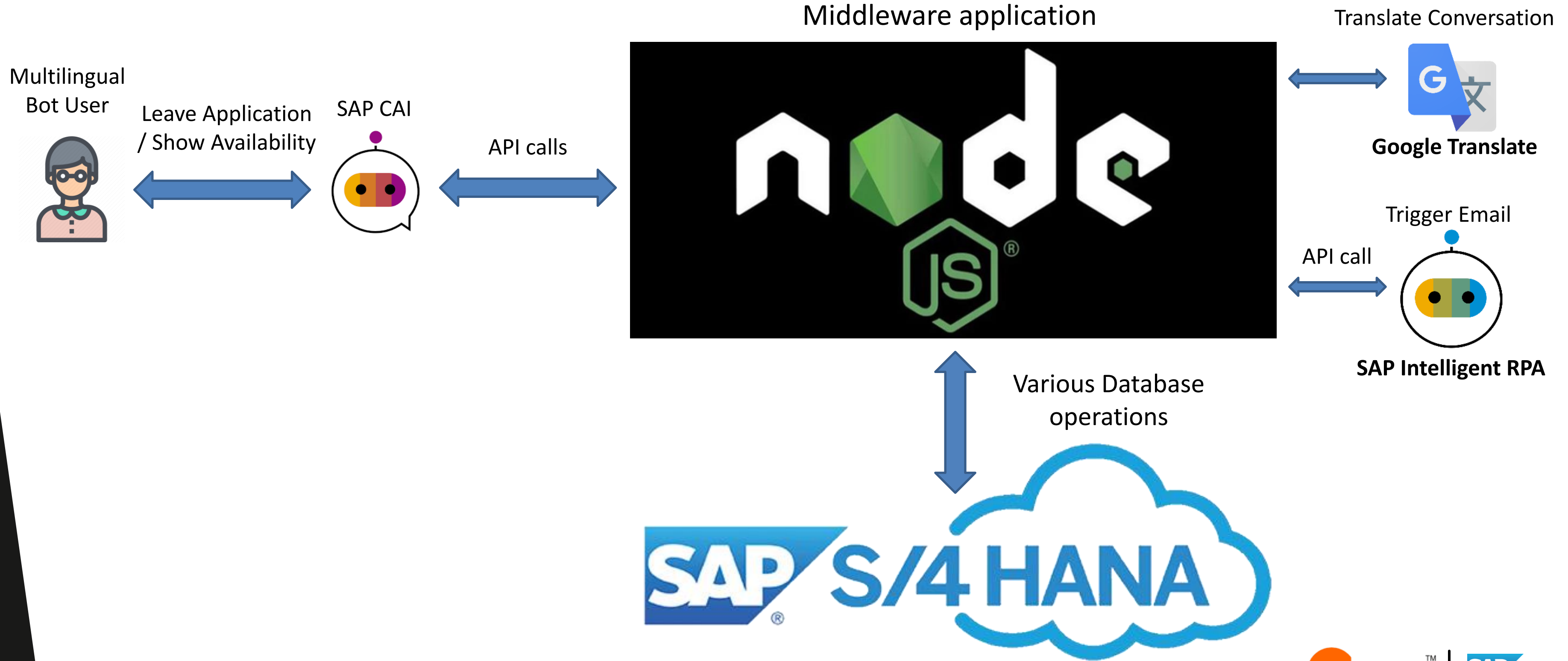
API to trigger second bot



Generate consolidated data from previously generated excels

Output Excel Consolidate

Employee Engagement Bot SAP CAI and Intelligent RPA



Accrual Automation using Intelligent Robotic Process Automation

PROBLEM STATEMENT







- Every month finance operations team carries out the process of accrual, which involves accrual data excels coming from several end users, which is then validated, prepared in specific format and posted into the system.
- The manual execution of this task takes a lot of time and is highly prone to errors.
- Use-case is to cover the complex skill-set of Accrual Data posting every month end.
- Requirements around automation of data capture in SAP (instead of mails) can be taken up as an additional work in SAP during deployment

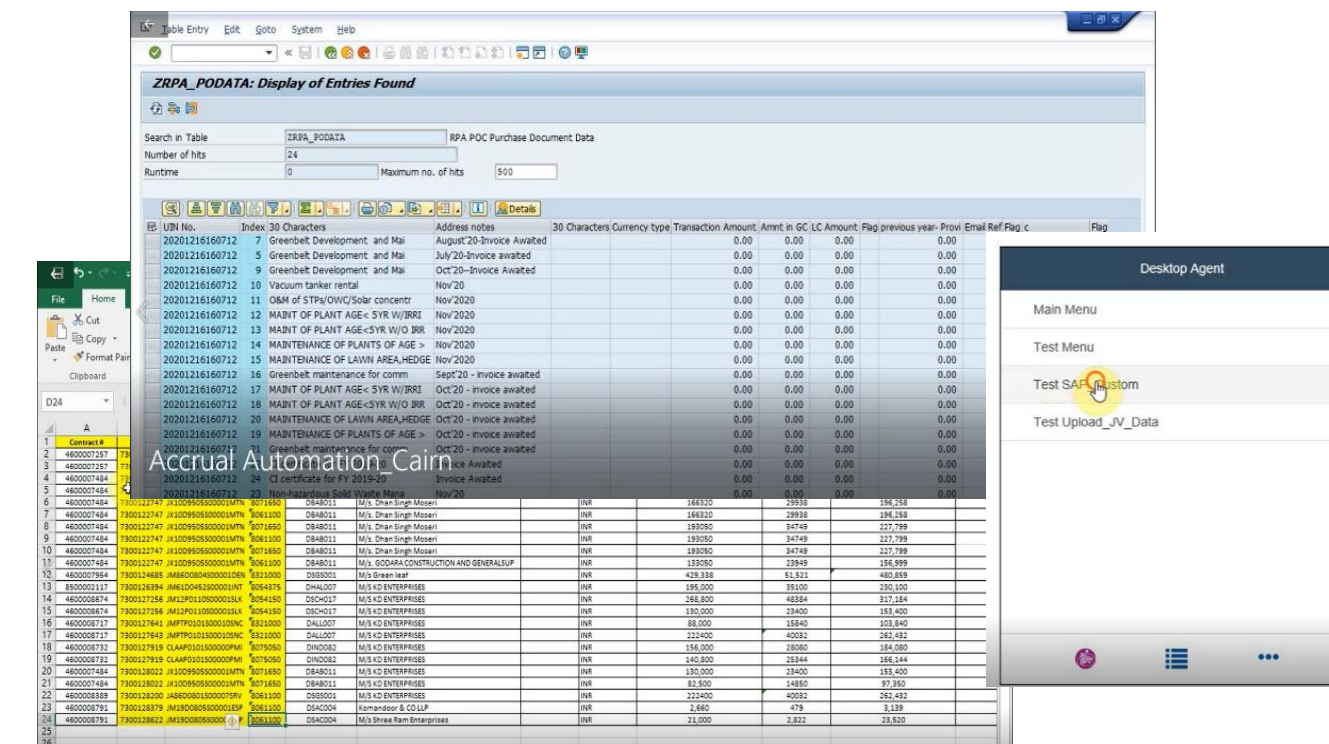
BOT SKILL DESCRIPTION

- Multiple bots were designed to automatically read received file from users in a folder location (excel format), refine by business rules, validate it based on system data and then post into system.
- In case there are exceptions then notify individual user with error to correct the data.

BUSINESS BENEFITS

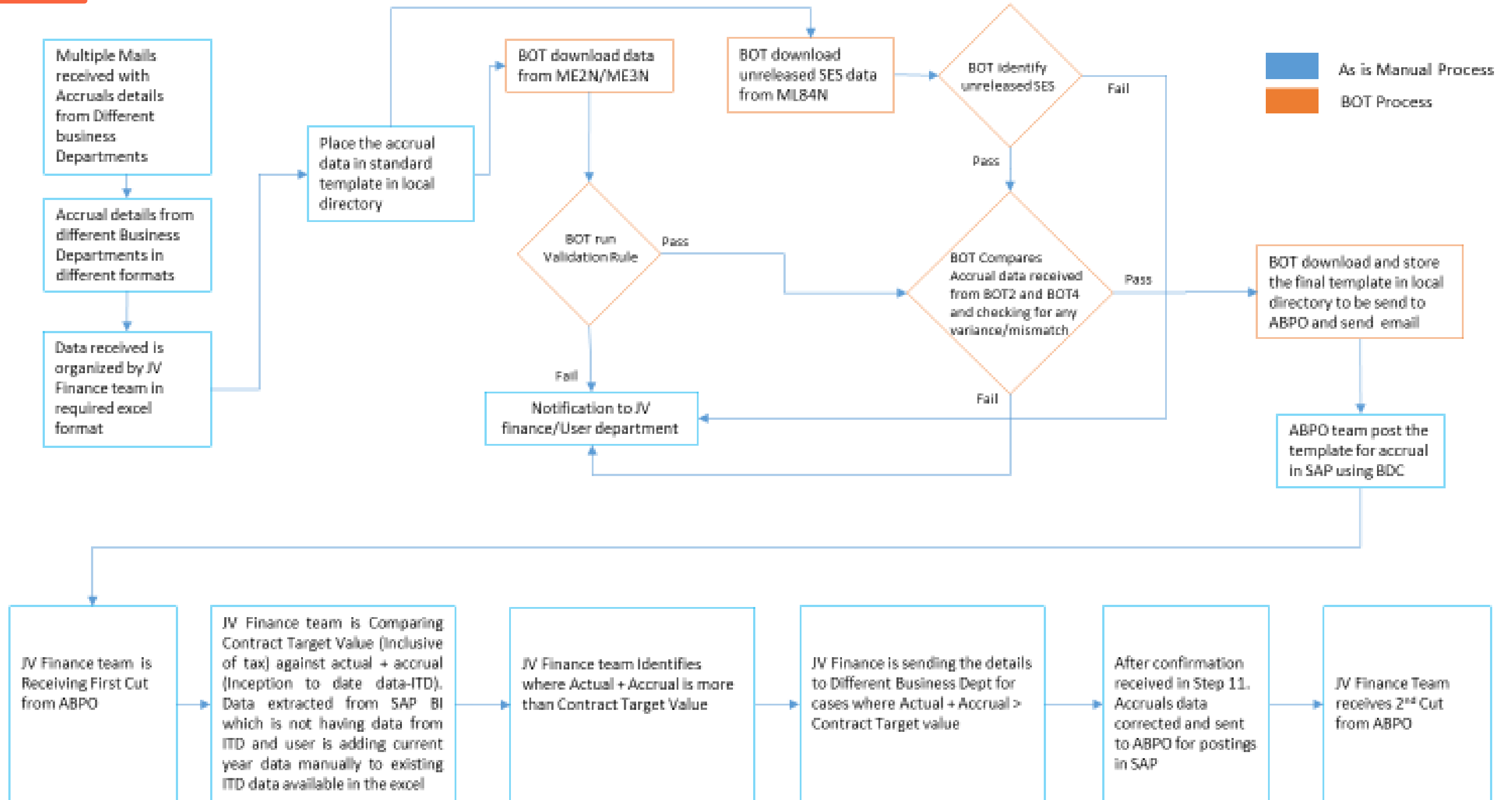
- Reduce the workload of the Finance team every month
- Faster Processing Time with increase in efficiency
- Improve data quality

 Stressful closing	 Relaxed closing
 4 Days	 <10 minutes
 Manual checks & email exchanges	 Focus on high value tasks



The screenshot displays the SAP ZRPA_PODATA interface. The main window shows a table titled 'ZRPA_PODATA: Display of Entries Found'. The table has columns for 'UBN No.', 'Index', '30 Characters', 'Address notes', '30 Characters', 'Currency type', 'Transaction Amount', 'Amt in GC', 'LC Amount', 'Flag previous year', 'Provi', 'Email Ref', 'Flag', and 'c'. The data rows show various entries with their respective values. A 'Desktop Agent' interface is overlaid on the right side of the screenshot, showing a 'Main Menu' with options like 'Test Menu', 'Test SAP Custom', and 'Test Upload_IV_Data'.

Accrual Automation Intelligent Robotic Process Automation



Invoice Extraction and Posting in SAP using Intelligent Robotic Process Automation

PROBLEM STATEMENT

- Finance team daily receives hundreds of invoices in email from several business partners, which are required to be validated, prepared in specific format and posted into the system.
- The manual execution of this task takes a lot of time and is highly prone to errors.
- The use-case is to cover the skill-set of Invoice Extraction, Validation & Posting.







BOT SKILL DESCRIPTION

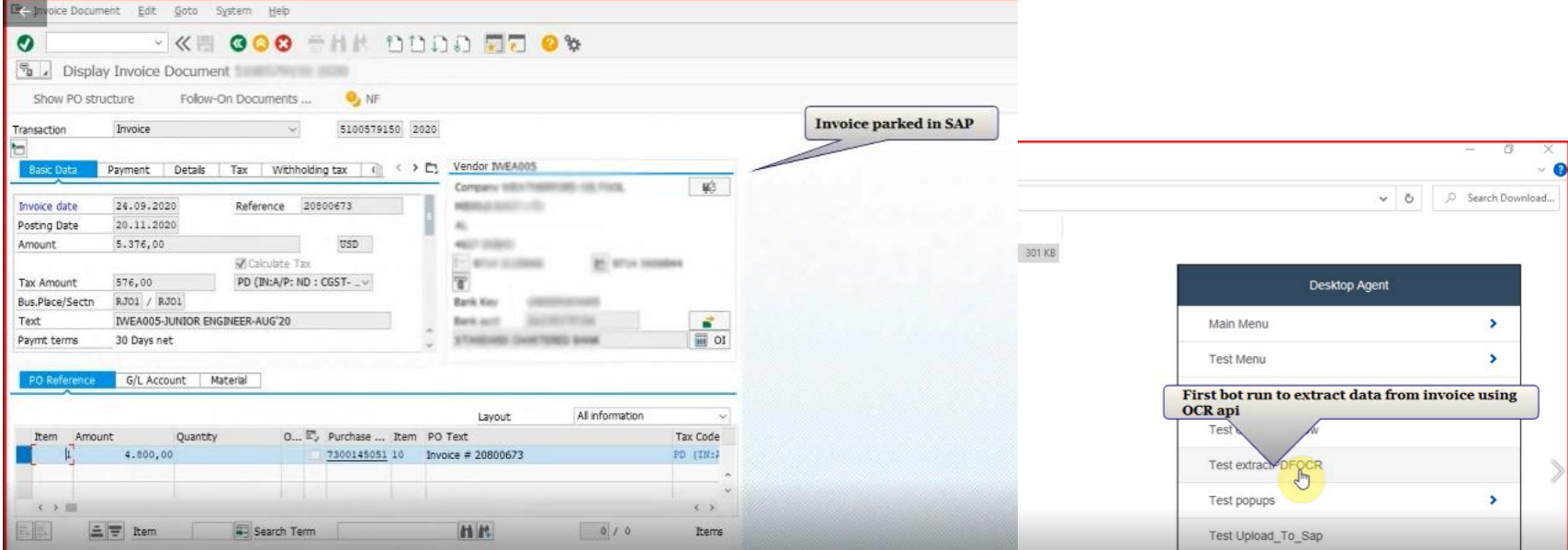
Bots are designed to automatically download the file from an inbox (Outlook Email), extract data using OCR service, validate and then park Invoice into SAP system.

In case there are exceptions then notify individual business partner with error to correct the data. Keep the extracted data into SAP system for audit log perspective.

BUSINESS BENEFITS

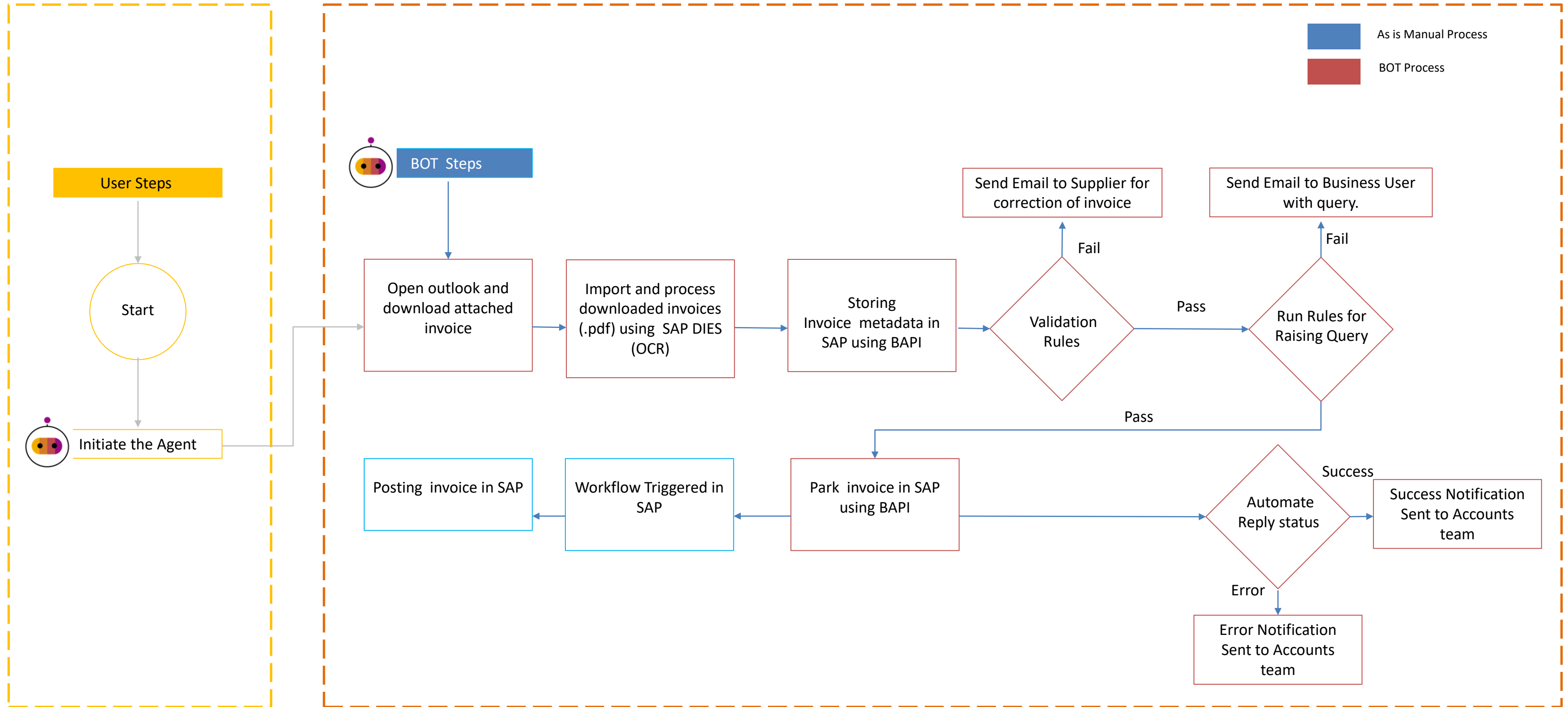
- Reduce the workload of the finance team across Bus
- Faster Processing Time with increase in efficiency
- Improve data quality

Before	After
 Hundreds of Invoices daily	 Faster Execution
 2-3 Hours	 few minute
 Manual checks & email exchanges	 Focus on high value tasks

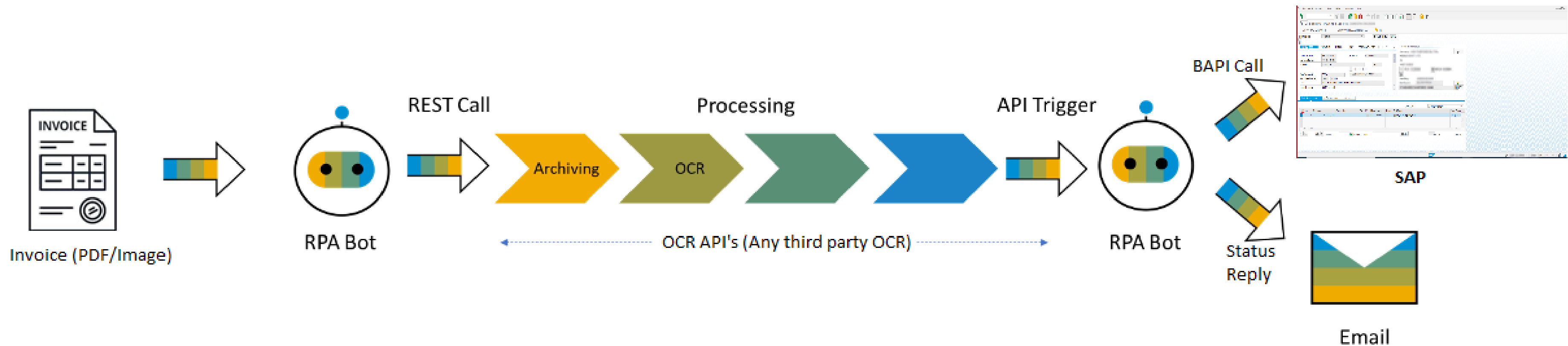


Invoice Extraction using SAP iRPA

Invoice Extraction and Posting in SAP Intelligent Robotic Process Automation



Invoice Extraction and Posting in SAP Intelligent Robotic Process Automation



BTP Activation Packages – Intelligent RPA



Accelerate digital transformation by automating repetitive tasks in business processes.
Activate SAP BTP Intelligent RPA with Crave InfoTech half day assessment

Intelligent RPA

- ½ Day Process Automation Workshop
- Activation of RPA service
- 1 use case from standard list or equivalent

Resources & Duration

- SAP BTP Architect
- SAP Intelligent RPA Consultant
- SAP Basis Consultant

**2
weeks**

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