Automate your Performance with SAP Intelligent Robotic Process Automation

Dr. Sathya Narasimhan
November 2020
Legal disclaimer

The information in this presentation is confidential and proprietary to SAP and may not be disclosed without the permission of SAP. This presentation is not subject to your license agreement or any other service or subscription agreement with SAP. SAP has no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and SAP’s strategy and possible future developments, products, and platforms, directions, and functionality are all subject to change and may be changed by SAP at any time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. This document is provided without a warranty of any kind, either express or implied, including but not limited to the implied warranties of merchantability, fitness for a particular purpose, or noninfringement. This document is for informational purposes and may not be incorporated into a contract. SAP assumes no responsibility for errors or omissions in this document, except if such damages were caused by SAP’s willful misconduct or gross negligence.

All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of their dates, and they should not be relied upon in making purchasing decisions.

For all recent and planned innovations, potential data protection and privacy features include simplified deletion of personal data, reporting of personal data to an identified data subject, restricted access to personal data, masking of personal data, read access logging to special categories of personal data, change logging of personal data, and consent management mechanisms.
What is SAP Intelligent RPA technology?

Robotic process automation (RPA)

Accelerates digital transformation of business processes by automatically replicating tedious actions to free up human workers for more high-value tasks.

Unattended:

Fully automated process, where robots are working autonomously with human supervision only.

Attended:

Partially automated process, where robots are co-working with humans, also called robotic desktop automation (RDA).
How SAP Intelligent RPA delivers business value

**Improve operations**
Mobilize resources for high-value tasks at lower costs

**Increase service quality**
Reduce processing times for revenue generating transactions

**Is compliant with your infrastructure**
Underlying IT landscape can remain untouched

**Increase compliance**
Maintain well-documented audit trails

**Reduce human errors**
Automate to gain speed and efficiency

**Get quick ROI**
Can be implemented in just a few weeks
RPA Offering Overview
Unified cloud solution including on-premise automation tools

Digital Core
- SAP C/4HANA
- SAP SuccessFactors
- SAP Ariba
- SAP Concur
- SAP Fieldglass

Intelligent Technologies

Non-SAP Applications
- Third-party tools
- Non-SAP systems
- Legacy applications
- Web applications
- Internet portals

Interaction via APIs/UIs

SAP® Cloud Platform

Interaction via APIs/UIs
SAP Intelligent RPA Architecture
SAP Intelligent RPA 2.0 Strategy

**SIMPLE**
- Intuitive design time
- Native integration and embedding – SAP and 3rd party
- Ready-made content via store and marketplace
- End-to-end customer engagement for try-buy-use

**SCALE**
- Automated factory management
- Agent, cloud-agent, bot farm

**SMART**
- AI and ML infusion
- Cognitive document processing

Continuous improvement process (CIP)

- **Simple**
  - Focus
  - H1-'20
  - H2-'20
  - H1-'21
  - H2-'21
  - H1-'22
  - H2-'22

- **Scale**
  - Focus
  - CIP

- **Smart**
  - Focus
  - CIP

© 2020 SAP SE or an SAP affiliate company. All rights reserved. | PUBLIC
Evolution of SAP Intelligent RPA

2019: Pure on-premise bot execution

2020: Cloud design and bot managing experience

2021: Pure cloud solution with on-premise execution capabilities
2019: Pure on-premise bot execution
2020: Cloud design and bot managing experience
2021: Pure cloud solution with on-premise execution capabilities
Simplicity – Evolution of design time

- Empowering business user
- One recorder to rule them all
- Collaborative bot building

Road map item

- GA release for cloud studio
- Enhanced visual programming
- Guided activities for bot building
- SAP Intelligent RPA recorder
Scalability – Factory, agents, and digital ops toolkit

Extending RPA with digital ops

Manage RPA along with your landscape

Bot farm in the cloud

Road map item

- Simplified agent onboarding, scheduling
- Powerful and extensible node-based robots
- Scale out automations with Q-data buffers
- RDP-based dense agents
- Auto upgrade of agents from factory
- Support cloud agent
- Containerization of factory and agents for scale and deployment neutrality
Best-run RPA for SAP

Native connectors that understand the applications

Full spectrum of integration technologies

Application and automation convergence

Road map item

› Connectors covering all SAP UI tech and controls
› Visual activities for SAP integration technologies
› Search and discovery of SAP APIs from within SAP Intelligent RPA
› Embedded automation within SAP S/4HANA
› Automation as an SAP Fiori capability, such as search
Business best practice in bot avatars

Ready-to-use content

SAP ecosystem know-how botified

Content types, discovery, and recommendations

Road map item

› 130+ ready bots available
› Customer, partner, and community bots across content types
› Node.js extensibility-based bots
› 1000+ bots by end of 2021 with discoverability recommendation and integrated to bot-building exercise
### SAP S/4HANA predefined content – 2020

#### Q1 (released)
- **Finance**
  - Mass locking and unlocking of cost centers
  - Mass asset transfer (within company code)
  - (OP) Automated upload of manual entries via API
  - Mass asset retirement (integrated)
- **Procure**
  - Create source list from Excel
- **Professional services**
  - Automated list of terminated employees (w/ SAP SuccessFactors Employee Central)
- **Discrete industry/Manufacturing/Produce**
  - Creation of inspection results for goods received
  - Proof of delivery
  - Inbound delivery creation from delivery notes
  - Usage decision for inspection lots
  - (OP) Automatic make-to-stock production for process industry
  - (OP) Production order completion
  - (OP) Outbound delivery – post goods issue for non-warehouse management
  - (OP) Production order operation confirmation
- **SD**
  - (OP) Automatic Sales order creation from Excel
- **Data management**
  - Create product master data with reference
  - Inconsistent new GL open-item exclusion for migration cockpit
  - Create BOM master data with reference
  - Create production version with reference
  - Mass creation of business partner

#### Q2 (released)
- **Finance**
  - Bank reconciliation (Chinese) (OP)
  - Automate upload of bank statement files
  - Create supplier invoice without spreadsheet
- **Procure**
  - Simple purchase requisition creation from Excel
- **Professional services**
  - Automated update of project duration and resource planning (advance resource management)
  - Mass change of project roles for commercial projects
  - Mass transfer of time and expenses from one WBS to another
- **Discrete industry/Manufacturing/Produce**
  - Production order operations
  - Usage decision for inspection lots
  - Creation of process order
  - Mass BOM update
- **SD**
  - (OP) Automatic return creation from Excel
- **Data management**
  - Create routing with reference

*Q1 and Q2 released in July.*

*Future road map, can be changed at anytime by SAP due to dependencies.*
SAP S/4HANA predefined content – 2020

H2/20 and beyond

Finance
- Real estate contract automation
- Mass upload of statistical key figures
- Creation and update of assets retirement obligations from a spreadsheet
- Automatic pay when paid AP/AR
- Creation of bank loans from a spreadsheet
- Commodity future contract
- Withholding tax calculation proposal
- Automatic e-mail notification for intercompany IDoc errors – using SAP Intelligent RPA
- Collect dispute management e-mail content
- Auto update customer notes from communication in dispute management
- Automatic cash journal postings

Procure
- Create purchase info records from Excel
- Creation of catalog items from excel
- Auto update of shipping status from logistics provider tracking number for purchasers

Professional services
- Price maintenance fixed priced project – reset rates
- Automatically attach documentation from SAP Concur solutions to invoices
- Copy work packages within a project, mass project closure
- Mass collection of billing document
- Automatically creating time sheets from various PDF formats
- Employee onboarding
- Automatic rate maintenance via upload
- Project creation with SAP Co-Pilot
- Subcontractors purchase order expiration

H2/20 and beyond, cont.

Discrete industry/Manufacturing/Produce
- Automatic route determination
- Production order creation
- Reservation creation
- Master receipt creation
- Warehouse outbound processing and warehouse inbound processing
- Update and create batch master
- Process order operations
- Intelligent post processing of error records
- Warehouse physical inventory count

SD
- Mass create and upgrade sales pricing
- Automatic creation of sales orders with ML and RPA
- Auto update of shipping status from logistics provider tracking number sales

Data management
- Material master creation (create new product without reference)
- Data quality
- Smart mass maintenance

© 2020 SAP SE or an SAP affiliate company. All rights reserved. | PUBLIC

*Q1 and Q2 released in July. Future road map, can be changed at anytime by SAP due to dependencies

18
Non-SAP S/4HANA content in store from SAP

**2020 goal**
- 70 bots in store across SAP ECC, SAP Ariba, SAP SuccessFactors, SAP Concur, and SAP Fieldglass solutions
- Project bundles for connection extensions

**H1/2021**
- Migration of store bots to 2.0
- End-to-end SAP S/4HANA Movement bots
- IEG processes as bots
- 250+ production-grade bots overall across all SAP products
- Additional content types like project templates, popups and mashups, data and interface types, 3rd party connector extensions such as for security vaults, payment gateways, and more
- Connectors for SAP Concur solutions, SAP Fieldglass solutions, and SME suite products with template bots

**H2/2021**
- SAP S/4HANA model company bots
- Bots that consume updated dox service/document integration
- ML pipeline automation bots

**2021 goal**
- 500+ store bots across the SAP suite
- All content types
- All connector extensions
- SAP, customer, partner, community content

**H2/2020**
- Standard bot content for SAP ECC: Round-offs for FIN, MM, SD, PP
- S/4HANA Movement: Open item and master data migration
- Procurement LoB: PO-Flip feature in Ariba Network, PO create from requisition, order confirmation, collections integration, advanced shipping notification, and more
- HR LoB: TA/recruitment, employee onboarding, LMS, self-service, selected H2R processes
- Connector extension bundles: (SAP SuccessFactors solutions, SAP Ariba solutions, BAPI, ML, scheduler)

**Non-SAP S/4HANA content in store from SAP**

© 2020 SAP SE or an SAP affiliate company. All rights reserved. | PUBLIC
Learn More

- Web page: sap.com/rpa
- openSAP courses *(available in self-paced mode)*
  - SAP Intelligent Robotic Process Automation in a Nutshell
  - How to build Bots with SAP Intelligent RPA
  - Business Process Automation in SAP S/4HANA with SAP Intelligent RPA
- SAP Help Portal: Product Documentation
- SAP Intelligent Robotic Process Automation Store
- SAP Learning Hub: Learning Journey
- SAP Community Page: community.sap.com/topics/intelligent-rpa
- Get started with Trial
- Plans and pricing link

Social Channels

SAP Community

Twitter
LinkedIn
YouTube