



Agenda

Introduction

Integration Framework Today

Next Generation Integration Framework

Integration Framework for IoT

General Enhancements

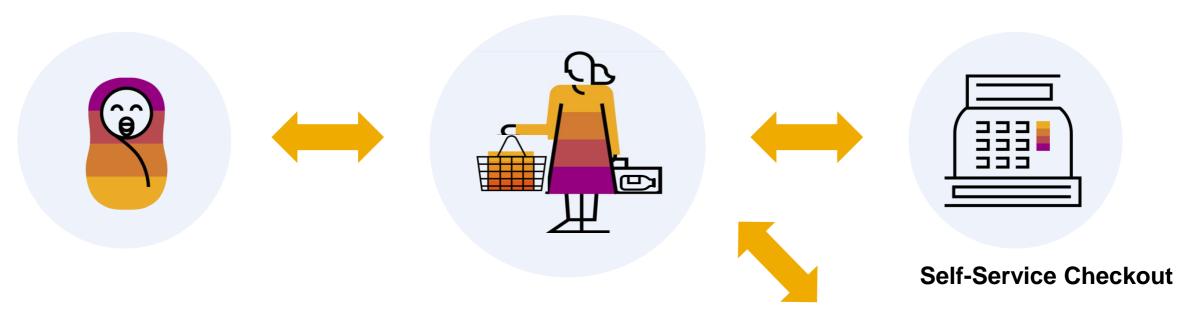


Introduction



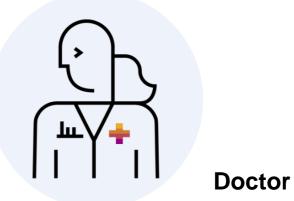


What is integration?



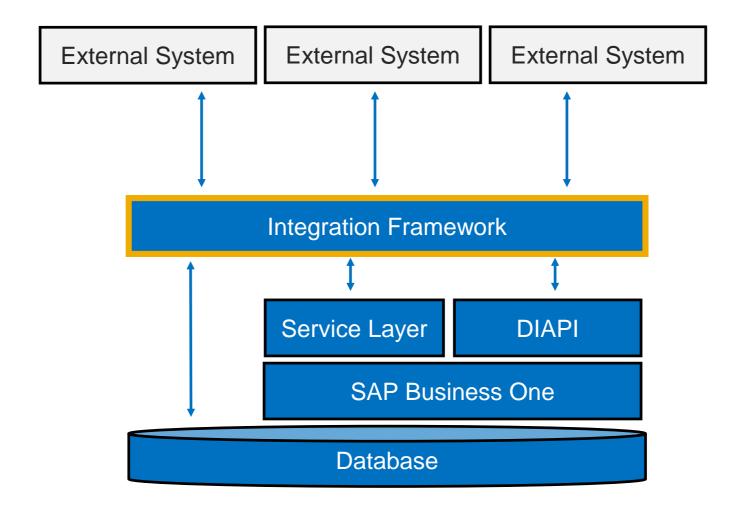
Baby

Mother (Integration System)





What is the Integration Framework for SAP Business One?





Integration Use Cases

Flexibility Web Services **HQ** Reporting Outsourced-Processes Cloud Extensions Outsourced Payroll Data Replication **Business to Consumer** Master Data Synchronization Networking among Companies a Network Ecosystem Integration Distributed Operations Subsidiary Integration Multiple languages Offline support Automated request for quotationIntercompany transactions Financial consolidation Central control Business to Business **Invoice Automation**



Integration Framework Today





Integration Framework Market Penetration

First edition released in 2005

- ~ 33,000 SAP Business One customers using Integration Framework

Over 300 large accounts for subsidiary integration

Partners in 124 countries

openSAP course with over 5,000 registrations



Integration Framework Technical Snapshot

Cross-Platform Support

- Windows 64, Linux, Raspbian Linux
- MS SQL Server, MySQL, SAP HANA, Apache Derby
- Cloud Foundry, Docker
- Google Chrome, Internet Explorer, Firefox

Features

- On premise installation in 5 minutes (~ 1.2 GB)
- Docker instance deployed in 20 seconds
- 100% browser-based
- Versioning for software and content
- Easy upgrade and content transport through zip



Integration Content in the SAP Space





Integration Content Project Accelerators

> 90% of integration content is customized

Design Philosophy:

- Layer 2 building blocks
- Configure instead of code
- Modular content code stubs, boilerplate frameworks
- Powerful IDE modify process flows visually
- Plug-in pre-built modules such as authentication mechanisms
- Leverage pre-built transformation mappings
 - SAP Business One to SAP Business ByDesign, for example
 - SAP Business One DI API to Service Layer
- Libraries for XSL templates and JavaScript functions
- Reuse integration contents from previous scenarios





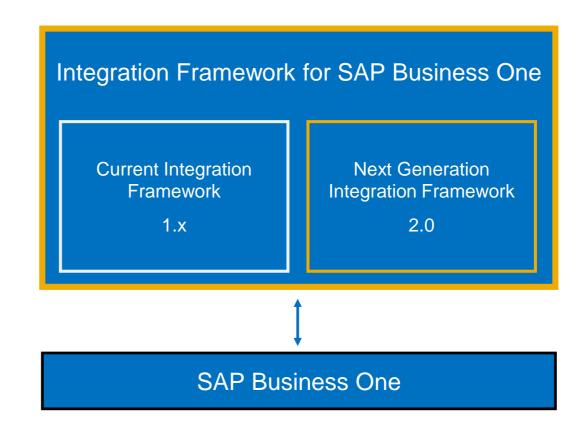
Next Generation Integration Framework





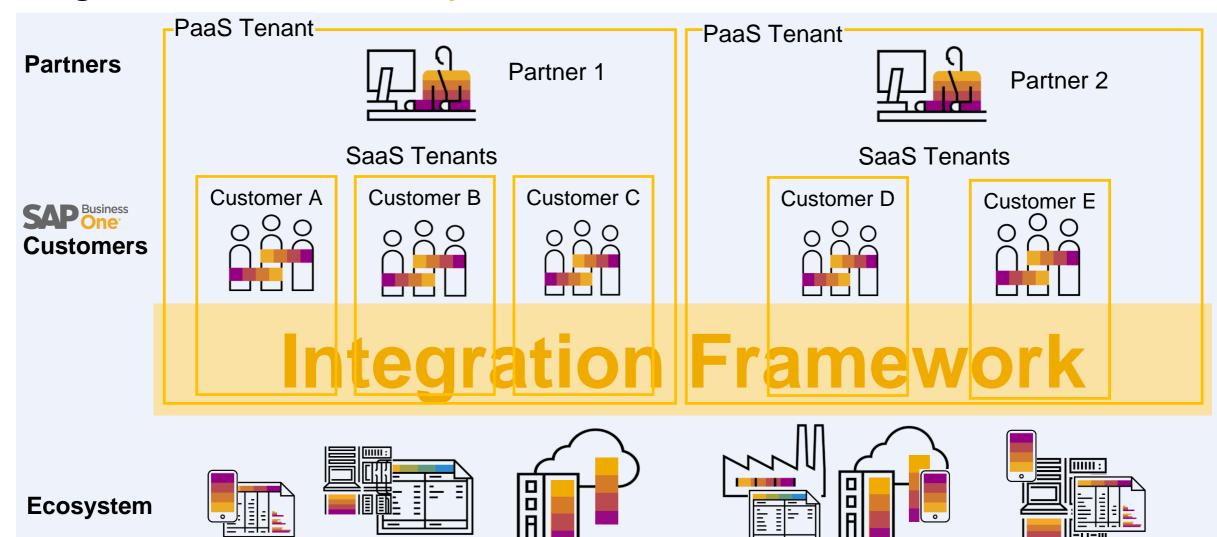
Next Generation Integration Framework

- Both frameworks installed
- →Frameworks independent
 - + No runtime conflicts
 - + Can run 1.x & 2.x packages simultaneously
- Current 1.x framework will continue to be supported and maintained



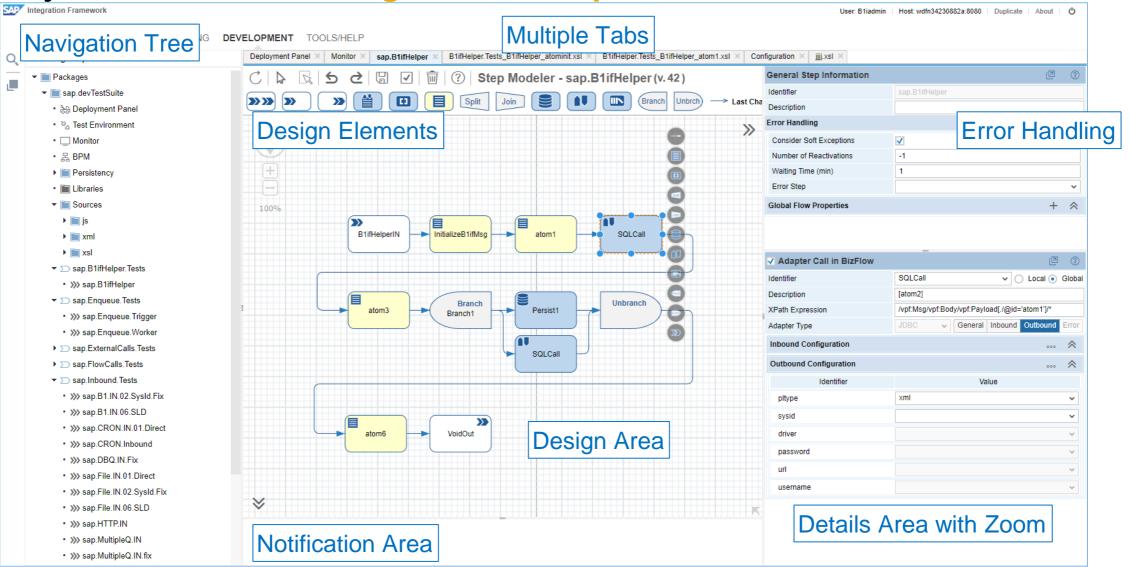


Integration Framework Ready for Cloud



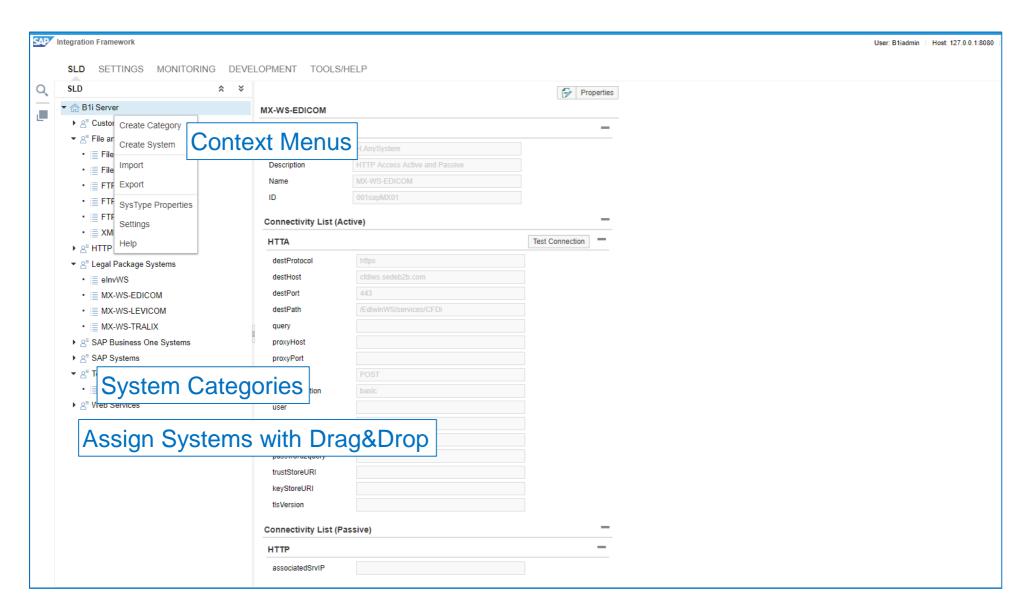


Major Enhancement: Integrated Development Environment



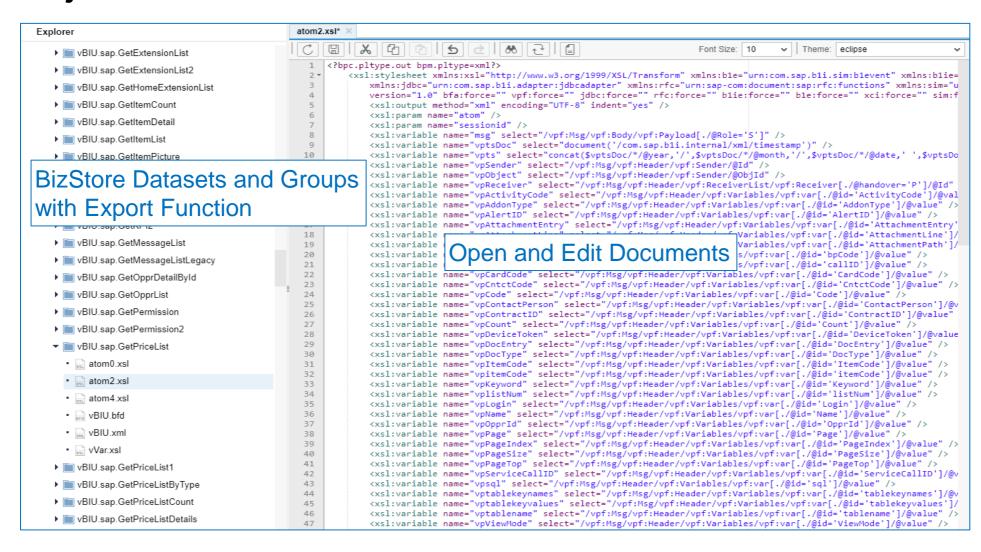


Major Enhancement: System Landscape Directory





Major Enhancement: BizStore UI Editor

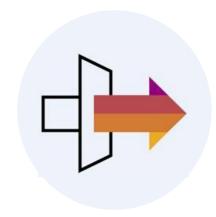


Drag & Drop
Content to BizStore





Next Generation Integration Framework: Why Migrate?



Why migrate from current 1.x to Next Gen 2.0 Framework:

- Cloud Ready Scenario Packages on PaaS
- Leverage optimized IDE
- Integration Logic ~10x performance increase

• Migration tools available!

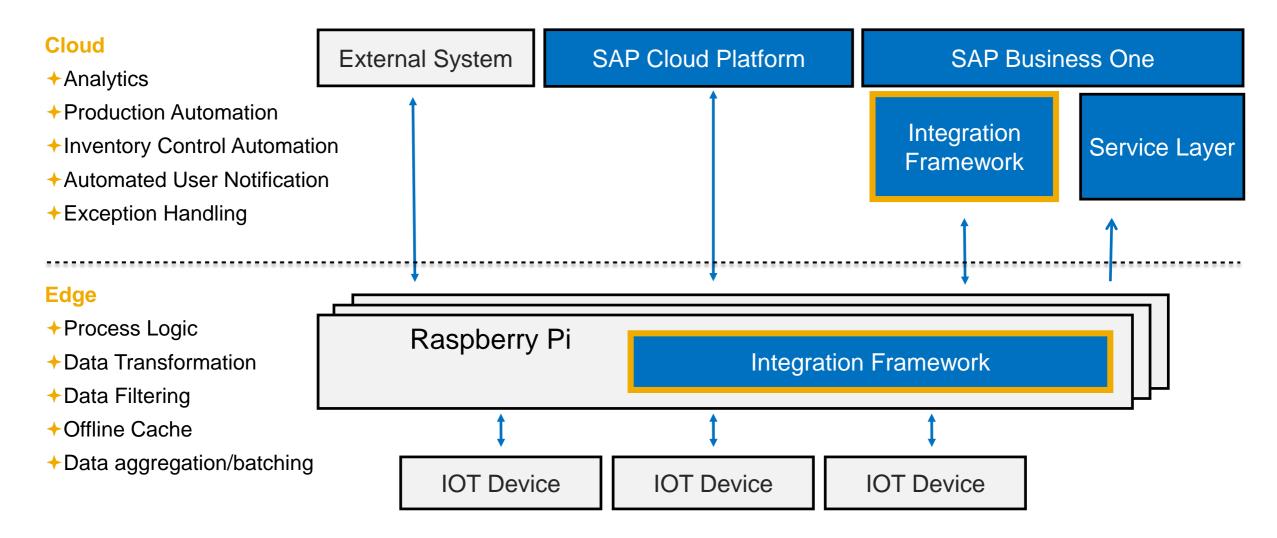


Integration Framework for **IoT**





Integration Framework for **IoT**

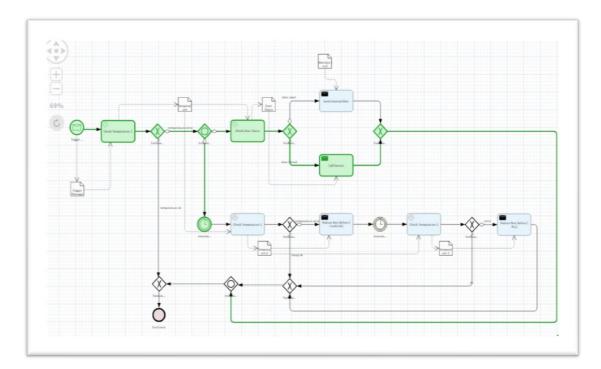


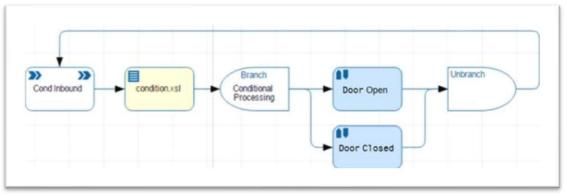


Example: Coldstore Demo



- Edge based integration framework processes RFID scans for warehouse events
- Temperature exceptions trigger door check logic. Door open status triggers user notification
- Business process logic calculates new product best before date based on temperature exception event







Example: Factory





General Enhancements





Integration Framework Enhancements

Around SAP Business One APIs

- Multiple DI proxy support
- Proxy analysis tool
- SAP Business One DI Single Transaction
- Allowing additional parallel processing
- SAP Business One batch atom with variables support

Around Service Layer

- Service layer inbound, outbound and atom in processing
- Service layer metadata support
- Support for service layer scripts

System Landscape Directory

- System import and export functions
- Usability enhancement, introduce groups, drag& drop *

Development Model for Cloud

- Integrated Development Environment
- Inbuilt multi-tenancy
- Supports smart or freestyle messaging

Miscellaneous

- Metadata generation in call RFC atom
- New atom for copying of large file
- BizStore access from integration framework with drag&drop, delete, etc.*



More Information





Find more information about integration

- To learn more, visit the Integration Deep Dive session today, Room Hoi An, 15:45-17:30
- SAP PartnerEdge
 <u>Integration Products for SAP Business One</u> (login required)
- openSAP course
 In Action: Integration Framework for SAP Business One (registration required)
- SAP Help Portal
 Integration Framework for SAP Business One, SAP Business One integration for SAP NetWeaver
- Integration framework product documentation in the integration framework
- Integration framework administration is part of the SAP Business One Administrator's Guides



Thank you.

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