Introduction to
Integration Framework for SAP Business One 2.0
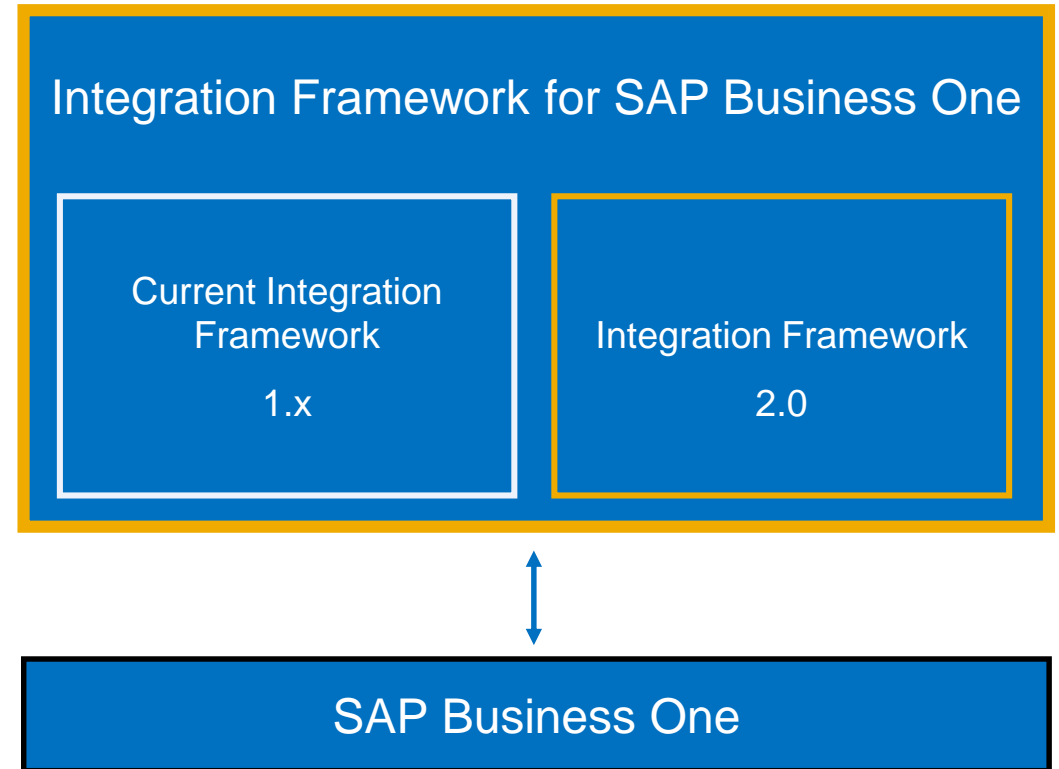
Global Roll-out, SAP
September, 2018

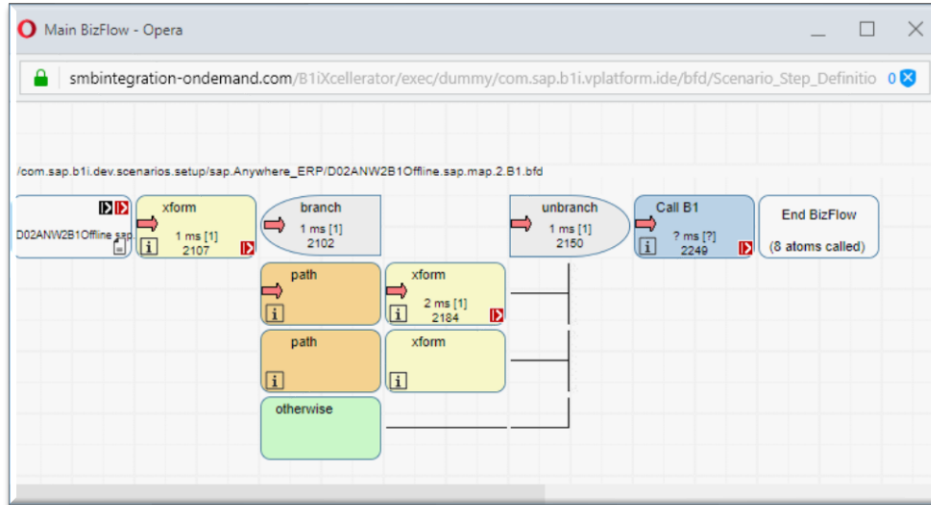PUBLIC

THE BEST RUN **SAP**

What you need to know about
Integration Framework for SAP Business One 2.0

Integration Framework 1.x and 2.0

- After installation and upgrade as of SAP Business One 9.3 PL04, both versions are available with different access URLs
- Access URL to Integration Framework 2.0: http://<host>:<port>/B1iXcellerator/exec/dummy/com.sap.b1ip.system.cc/bfd/AdminConsole.bfd?!defdoc=/com.sap.b1i.common/menu/opdev.xml
- Both versions are indenpendent
    - No runtime conflicts
    - You can run packages of both versions simultaneously
- Current 1.x framework will continue to be supported
- For more information, see SAP Note 2638618 - New Version Integration Framework 2.0 Added to Integration Framework 1.X (login required)

Integration Framework for SAP Business One

| Current Integration Framework 1.x | Integration Framework 2.0 |

SAP Business One
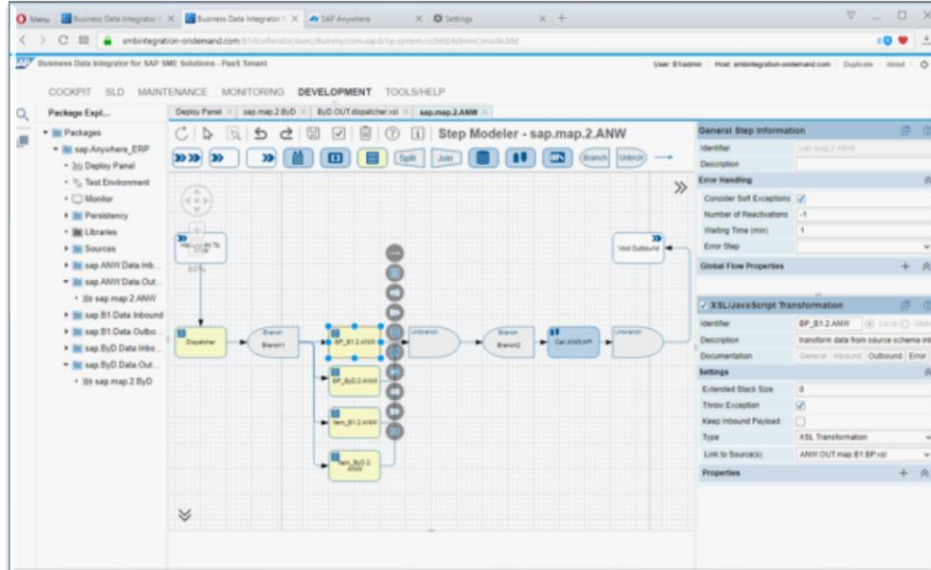
New Programming Model for Scenario Design
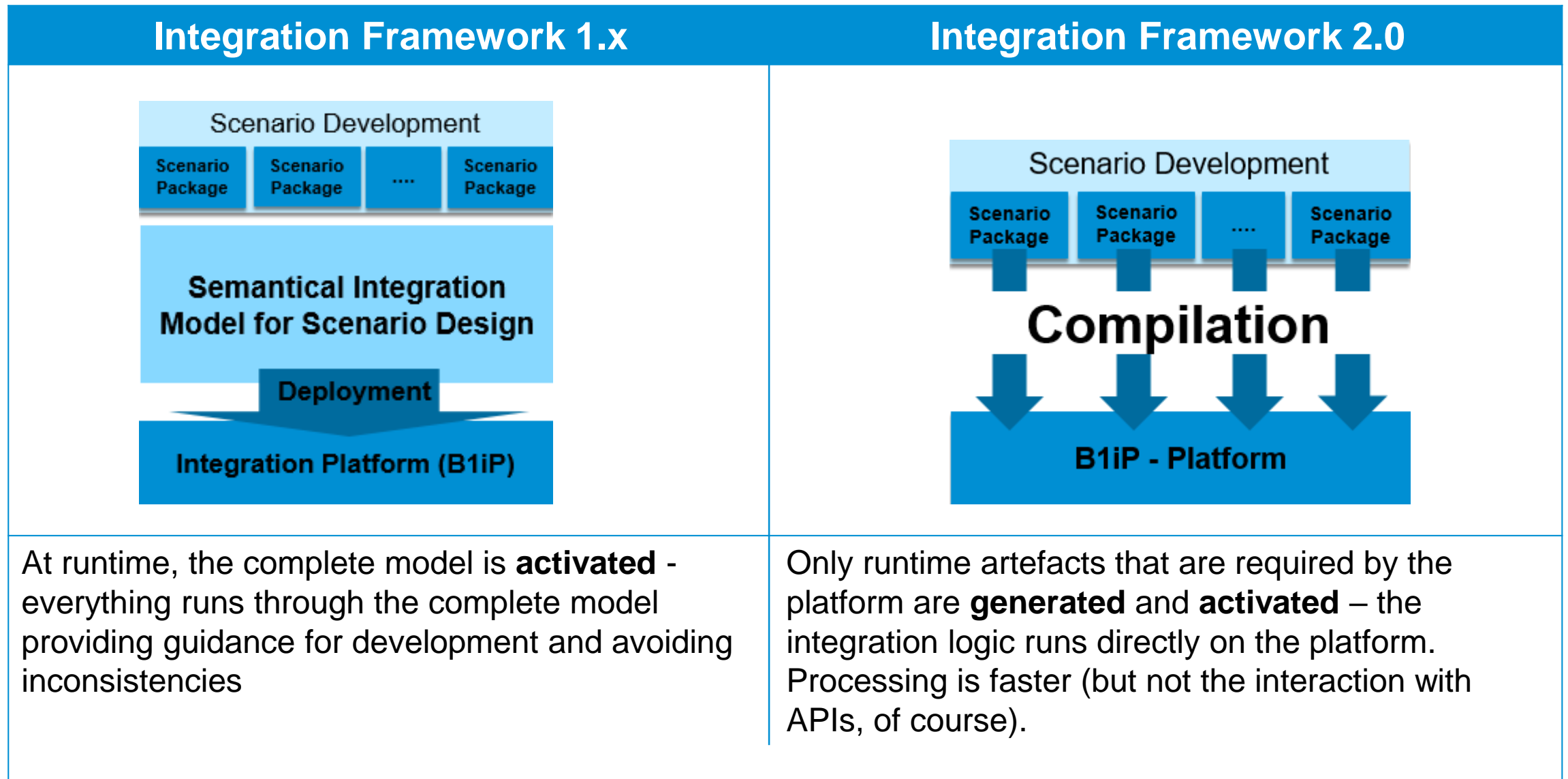

Integration Framework 1.x

- **Single** tenant integration model only
- Makes use of the *Semantic Integration Model:* UI-supported scenario design, inbuilt value mapping, consistency checks, and so on

Integration Framework 2.0

- New and modern Web-based IDE
- **Single** and **Multiple** tenant integration model, multi-tenancy supports cloud deployments
- Also programming model for **Internet of Things** (IoT)

Integration Framework 2.0 Faster at Runtime

Integration Framework 1.x	Integration Framework 2.0
At runtime, the complete model is **activated** - everything runs through the complete model providing guidance for development and avoiding inconsistencies	Only runtime artefacts that are required by the platform are **generated** and **activated** – the integration logic runs directly on the platform. Processing is faster (but not the interaction with APIs, of course).

Benefits of the Integration Framework 2.0 Programming Model

- Comes **in addition** with the integration framework – all programming models can run at the same time in parallel
- Optimized for **cloud computing**
- Inbuilt **multi-tenancy**
  - More flexibility in scenario deployments
- Built to address <u>all</u> **integration developers**
  - Higher flexibility
  - More control and transparency when developing integration content
  - "Classical" developers feel more comfortable because of the new browser-based IDE
- Up to **10 times faster** – runs directly on top of the integration platform
- Does <u>**not replace**</u> the current programming model
- Migration of existing scenario packages **not required**, unless you want to make use of multi-tenancy in cloud environments

Integration Framework for SAP Business One 2.0
Menus and Functions

All Design-Related Functions in the Web-based IDE

Five Steps to Activate Package for Customer

Deploy and activate a scenario package for one or multiple customers

Deployment Panel - Multi Tenancy

Scenario Package	sap.devTestSuite
Scenarios	8
Development Status	ok

1 Select Package

2 Add Customer for Deployment

4 Assign Systems

5 Activate

3 Select Scenarios and Steps

test			BASF SE, 6				Systems
sap.B1ifHelper.Tests							Systems
sap.B1ifHelper	Incoming B1 Event	Void	Runtime Artefacts	Trigger		Systems
			Runtime Artefacts	Trigger		Systems
			Runtime Artefacts	Trigger		Systems
			Runtime Artefacts	Trigger		Systems
sap.newhelper2	Incoming B1 Event	Void	Runtime Artefacts	Trigger		Systems
sap.Enqueue.Tests						Systems
sap.Enqueue.Trigger	Internal Queue	Successor Step	Runtime Artefacts	Trigger		Systems
sap.Enqueue.Worker	Predecessor Step	Void	Runtime Artefacts	Trigger		Systems
sap.ExternalCalls.Tests						Systems
sap.FlowCalls.Tests						Systems
sap.Include.Tests						Systems
sap.OnError.Tests						Systems
sap.mainstepwitherror	Timer	Void	Runtime Artefacts	Trigger		Systems
sap.onerror	By Exception of Other Step	Void	Runtime Artefacts	Trigger		Systems
sap.Queue.Tests						Systems

Improvements in System Landscape Directory

Easy BizStore Access in the Integration Framework

BizStore Datasets and Groups with Export Function

Open and Edit Documents

Drag & Drop Content to BizStore

Maintenance, Monitoring and Tools/Help Menus

Maintenance	
System Info	System information and profiles
ZIP Import	Importing zip files to BizStore
Configuration	Development prefix, framework ports, server address and proxy information
Customer Administration	Simple customer administration for deployment and monitoring
Deployment Panel	Deployment of packages for customers
User Administration	Administration and runtime users

Monitoring	
BPM Monitor	Monitoring business processes
Transaction monitor	Each scenario step is one transaction. Message log of integration framework 2.0
Error Inbox	Errors in processing and outbound
Service Monitor	Activation and monitoring of delivered integration services
Queue Monitor	Monitoring of internal queues

Tools/Help	
Control Center	Access to control center
Benchmarks	Calculations
XML Editor	Open XML Editor
XSLT Library	Delivered XSLT libraries
Online Help/Documents	Documentation

Thank you.

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