



Easing into S/4HANA:
What to Do Now to Prepare for Tomorrow
Bryan Parrott, Practice Lead, NIMBL
Gabe Mensching, Practice Lead, NIMBL
Session ID #ASUG82393

About the Speakers

Speaker Name

- Bryan Parrott, Practice Lead
- 10+ years SAP experience between consulting and the A&D industry.
- Out of my parent's three children, I am both the first child and the youngest child.

Speaker Name

- Gabe Mensching, Practice Lead
- 10+ years SAP experience in Basis, HANA and S/4HANA
- I've been working in technology in some way shape or form since age 16

Key Outcomes/Objectives

1. Provide guidance on planning and scoping the implementation of S/4HANA
2. Identify functional and technical updates to your current landscape that are required by S/4HANA but can be accomplished before the migration.

Agenda

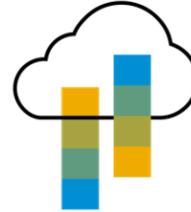
- Scoping & Planning
- Technology Innovations
- Functional Innovations
- Lessons Learned
- Q&A and Wrap-Up

SCOPING AND PLANNING

Which Version?



SAP S/4HANA Cloud



**SAP S/4HANA Cloud,
single-tenant edition**

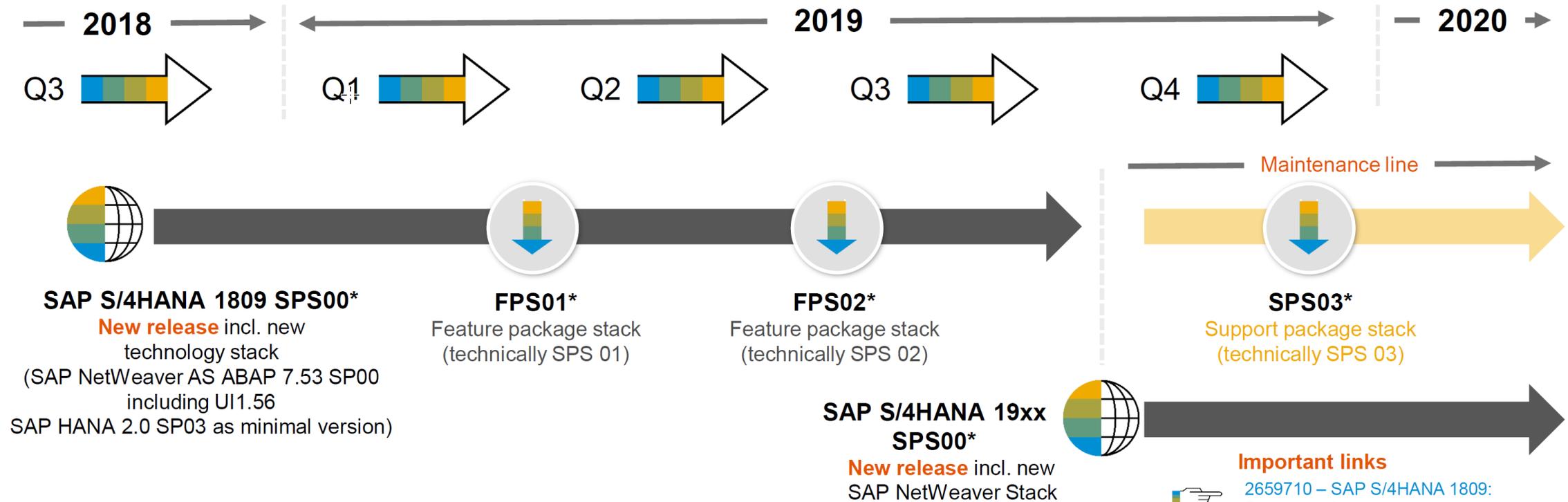


SAP S/4HANA*

Business Process	Standardized, core ERP	Flexible, ext. ERP	Customizable, ext. ERP
Innovation Lifecycle	Quarterly	Semi-annual	Annual, customer-led
TCO	Lowest	Lower	Higher
System Governance	SAP-led	Customer-influenced	Customer-led
IT Infrastructure	SAP, public	SAP, dedicated	Customer-managed
Customization	Within Standards	Within standards	Open to modifications
Extension	PaaS, SCP	PaaS, SCP	Open, SCP
System Delivery	New implementation	New implementation	New or ECC conversion

*Private cloud managed by SAP & On-premise managed by cloud providers or customers

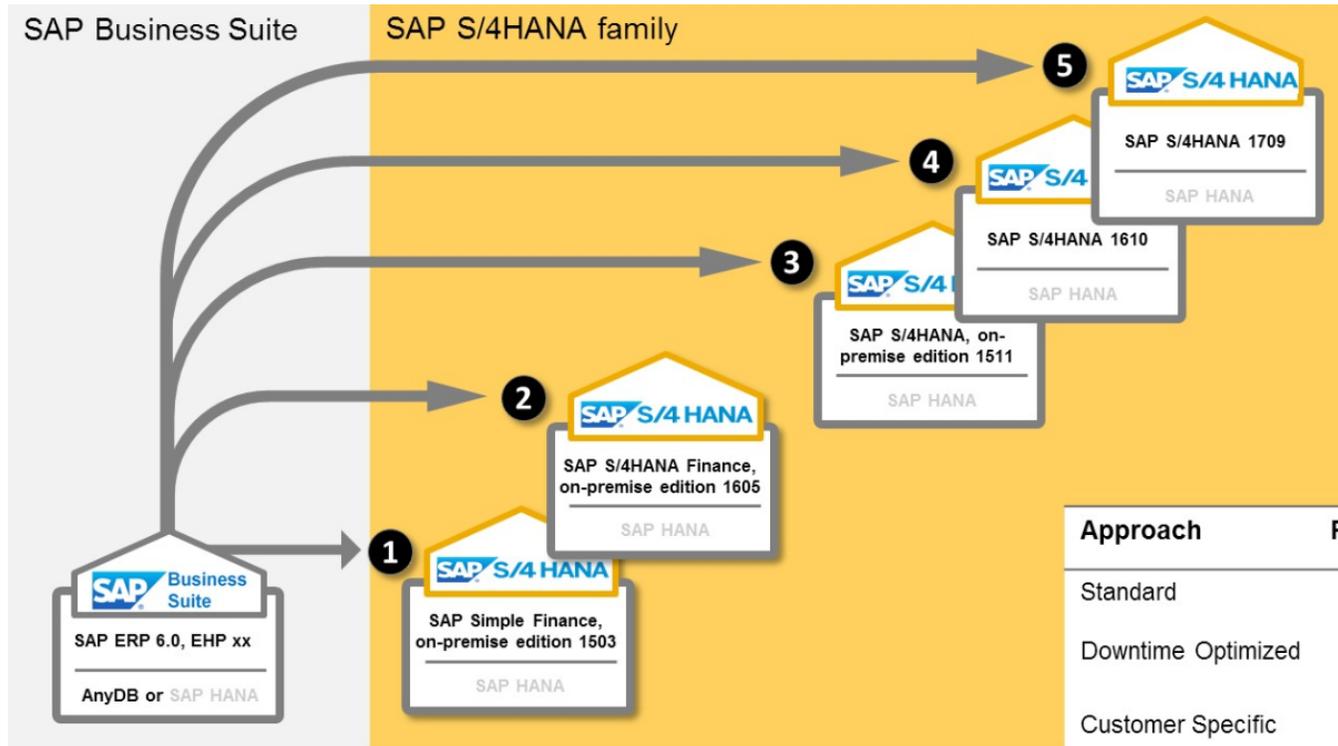
High Level Roadmap



Support package stack for SAP S/4HANA 1809*

After general availability of SAP S/4HANA 1809, feature package stacks (FPS) and support package stacks (SPS) contain stabilizations bundled with corrections and legal changes. Customers benefit from this functionality as part of their maintenance fee. The first SPS of a new release can contain selected features and is labeled feature package stack (FPS) accordingly. Support package stacks are compiled periodically and made available on the [User Assistance Content Platform](#) (product information) and on [SAP Support Portal](#) (support information).

System Conversion Paths



System Conversion from SAP Business Suite to SAP S/4HANA

- **Standard approach**
uses Software Update Manager (SUM)
- **Downtime Optimized approach**
uses SUM and reduces downtime by moving data conversion partly to uptime
- **Customer specific approach**
allows further reduction of downtime based on a service project

Approach	Path:	1	2	3	4	5	Effort	Downtime
Standard		✓	✓	✓	✓			
Downtime Optimized		-	piloted	piloted	piloted	planned		
Customer Specific		✓	✓	-	available	planned		

One-Step-procedure

- For older SAP Business Suite releases or systems on Non-Unicode an additional step to SAP ERP 6.0 EHPxx is required.
- System has to be an AS ABAP-only system. Dual-stack systems (AS ABAP and AS Java combined in one system) are not supported for the conversion. If your system is as dual-stack system, you have to split it before doing the conversion.

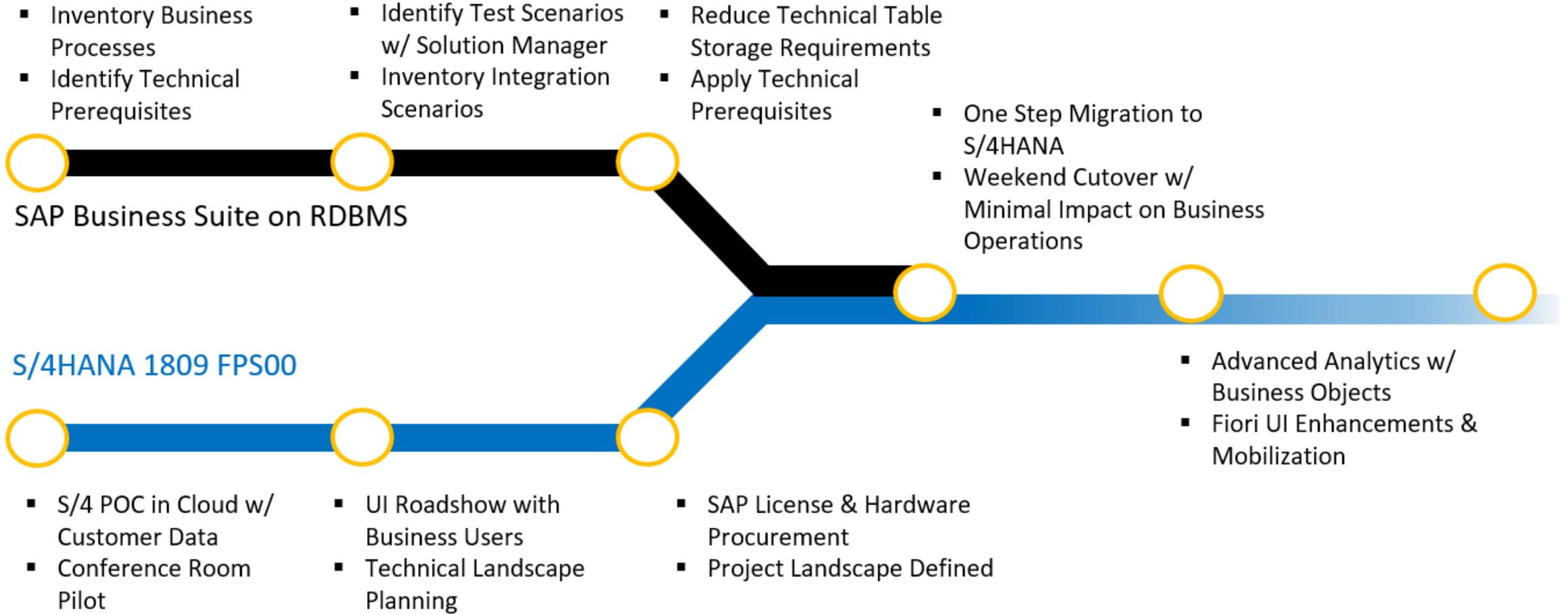
Migration Path Notes

- Is it technically possible to convert to Business Suite on HANA & S/4HANA in one weekend?
 - Yes, technically possible if we're Unicode. Is it viable?
 - What about downtime, data conversion, business validation?
- During the migration to Business Suite on HANA we can convert to Unicode
 - Unicode conversion in one step to S/4HANA is not supported
 - Unicode conversion and upgrade to ERP6 EHP8 is not supported
 - ERP6 EHP7 is the last release to support the SUM DMO Unicode conversion

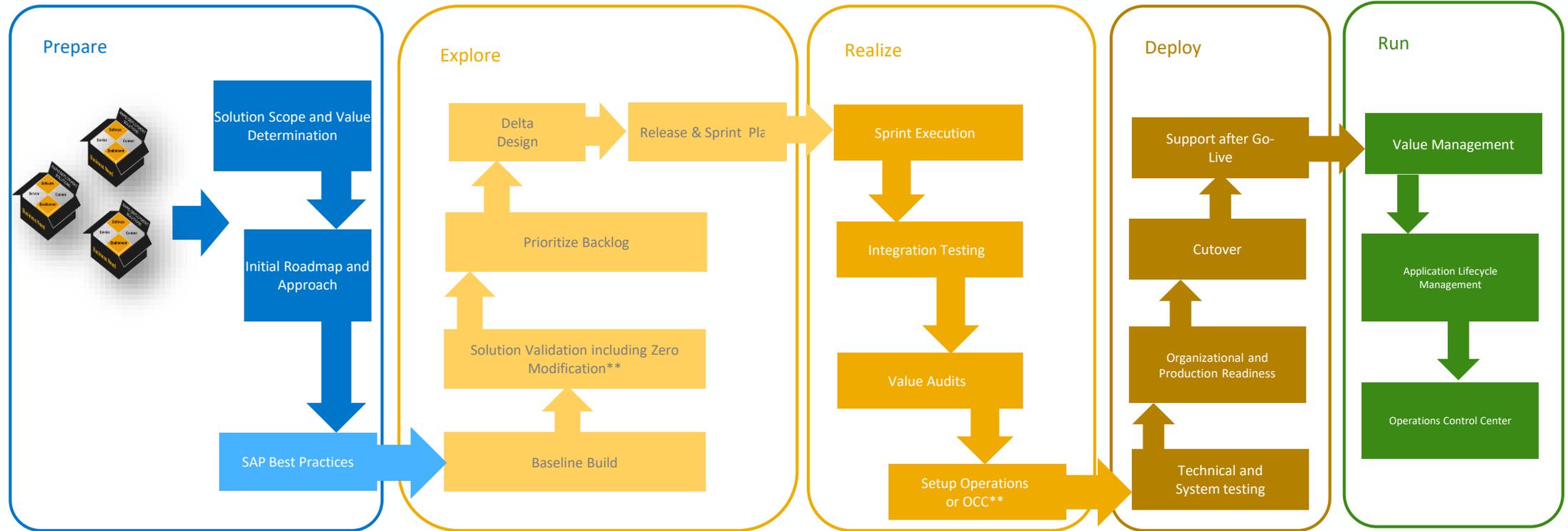
Which S/4HANA?

- S/4HANA Finance 1605 (Formerly Simple Finance 2.0)
 - S/4HANA Finance Installed as add-on to ERP6 EHP8 on HANA
 - Reduced forced change to business processes
 - Latest release= 1605 SP06 (Feb 2017)
 - Last S/4HANA Finance only release; End of Maintenance in 2020
- S/4HANA 1610 (October 2016)
 - Catch up release for Finance
 - Table simplification for Logistics (SD, MM, WM)
 - Forced process change (examples)
 - Convert Customers/Vendors to Business Partners
 - Migrate to SAP Credit Management vs ERP Credit & Collections
- S/4HANA 1709 (September 2017)
- S/4HANA 1809 (September 2018)
 - Simplification List Published!
 - <https://launchpad.support.sap.com/#/sic>

2019 Roadmap to S/4HANA



SAP Activate



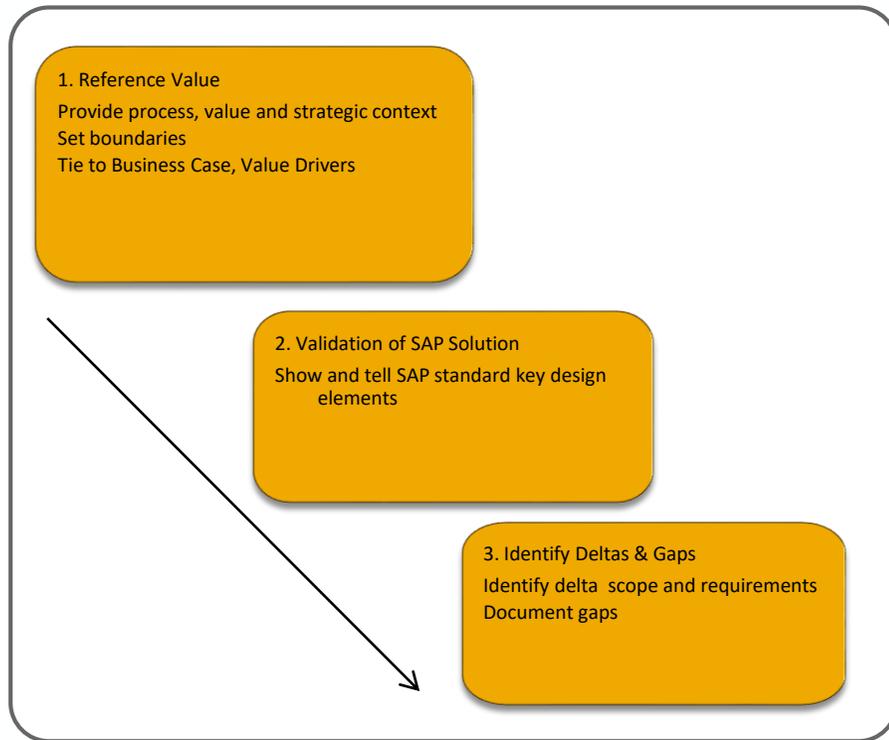
Jump-start project with pre-assembled solution

Identify & validate delta requirements and gaps

Build customer solution in short, time-boxed sprints

Solution Validation

Workshop A Solution Validation



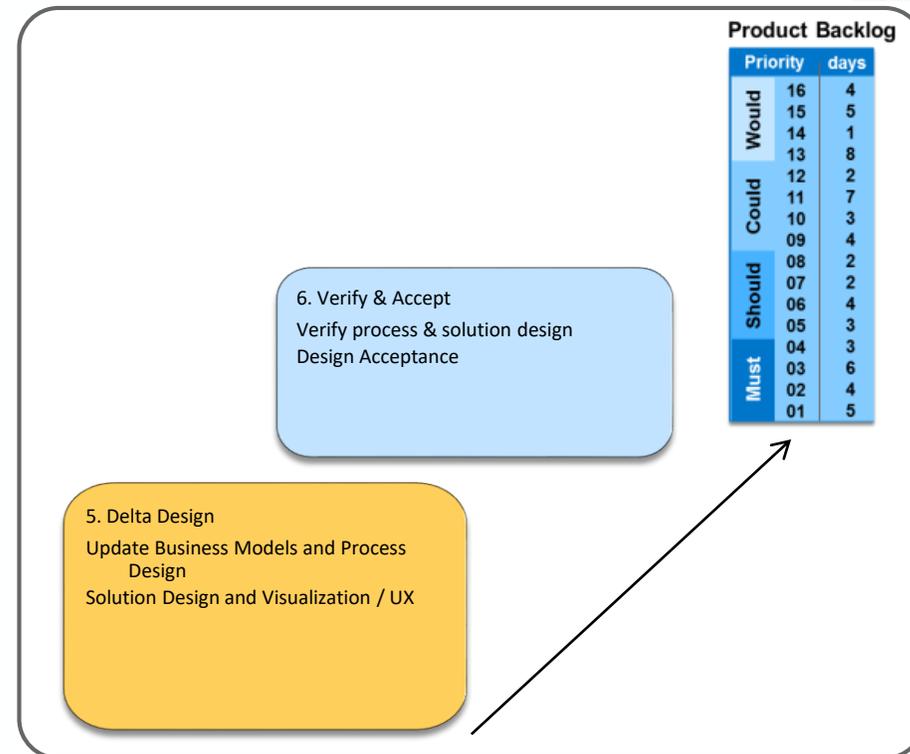
Initial Backlog

Priority		[d]
Would	16	4
Would	15	5
Would	14	1
Would	13	8
Would	12	2
Could	11	7
Could	10	3
Could	09	4
Should	08	2
Should	07	2
Should	06	4
Should	05	3
Should	04	3
Must	03	6
Must	02	4
Must	01	5

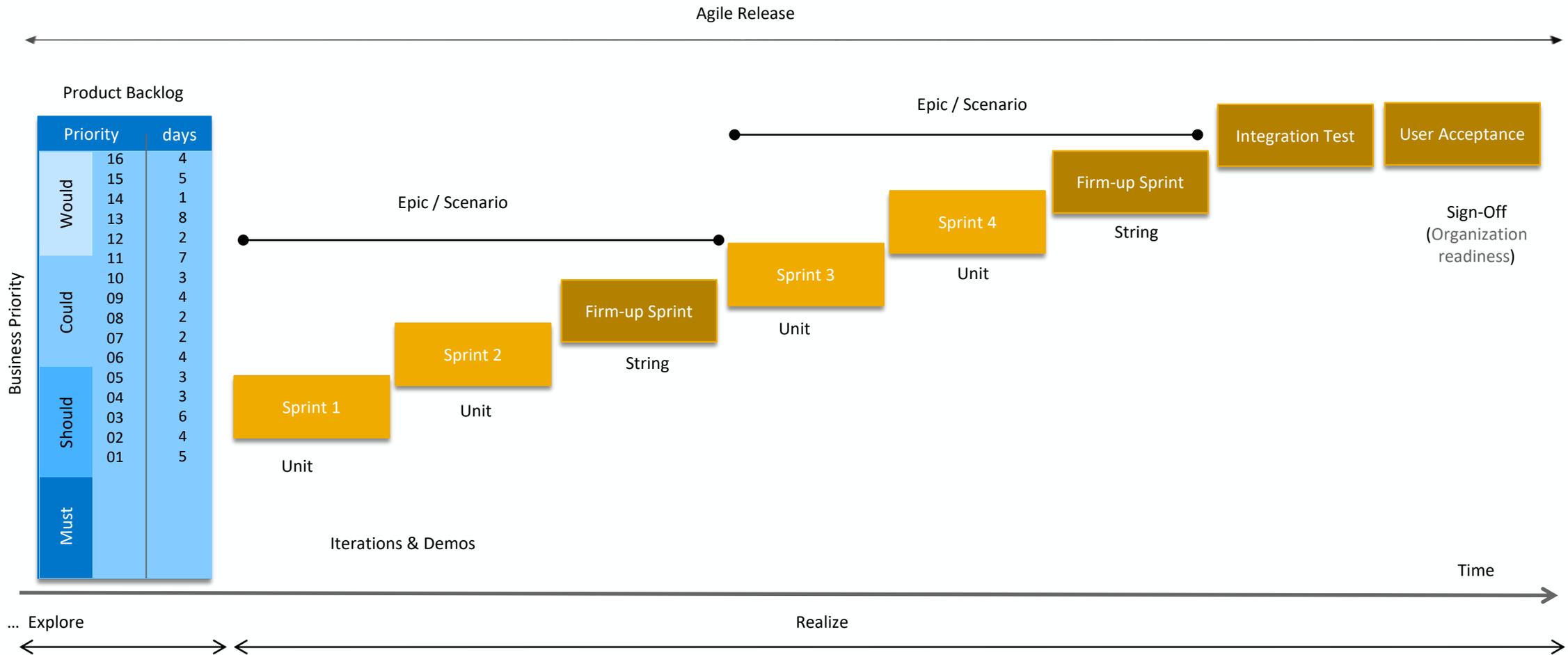
4. Delta Scope Prioritization

Workshop B Delta Design

7. Release & Sprint Planning

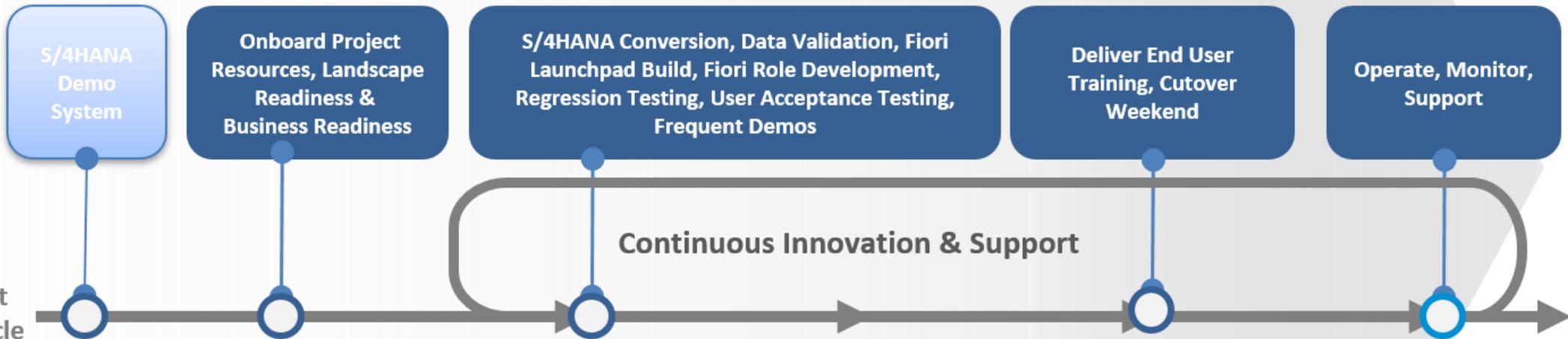
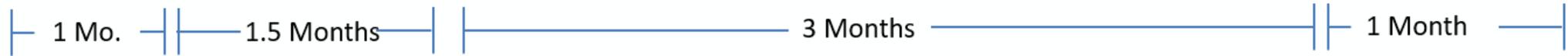


Upgrades Evolved



Example Timeline

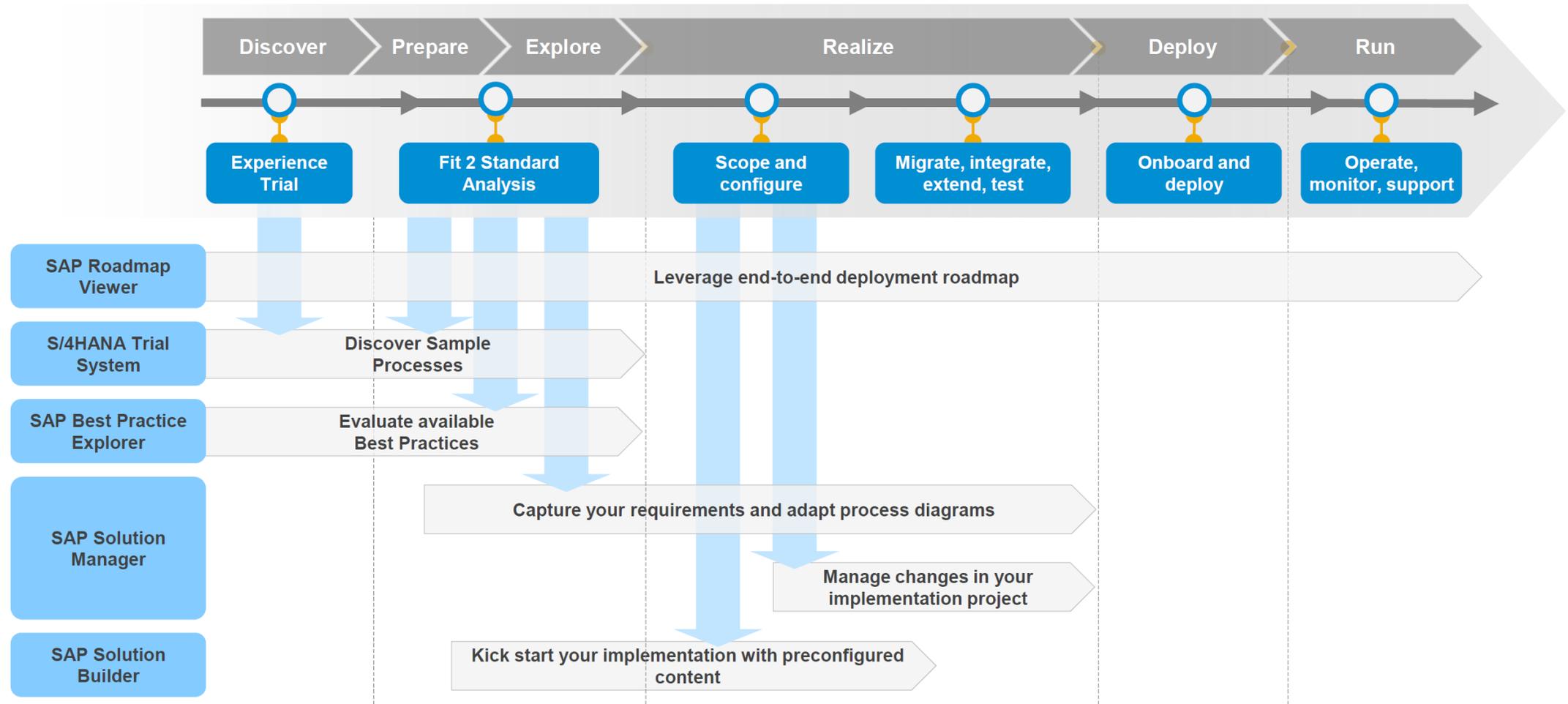
SAP Activate for S/4HANA Conversion



Project Lifecycle



Tools within SAP Activate for S/4HANA



SAP Cloud Appliance Library

- <http://cal.sap.com>
- SAP Provided application Images for customer user
- Activate in AWS or MS Azure
- Pay-per-hour or prepay
- Utilize for conference room pilots
- Explore solutions before purchasing
- Connect to your on-premise systems

The screenshot displays the SAP Cloud Appliance Library interface. The top navigation bar includes 'Solutions', 'Instances', 'Accounts', and 'Users'. The main content area shows a list of solutions filtered to 7 of 53, with a dropdown menu set to 'S/4HANA'. The list includes:

- SAP S/4HANA Chemicals trial with industry best practices 1511 FPS01 (TRIAL) - Available in Amazon Web Services, Microsoft Azure (Classic) - Status: Available
- SAP NetWeaver AS Java 7.5 on SAP ASE 16.0 - Available in Amazon Web Services, Microsoft Azure (Classic) - Status: Locked
- SAP S/4HANA 1610 (TRIAL) - Available in Amazon Web Services, Microsoft Azure (Classic) - Status: Available

The detailed view for 'SAP S/4HANA 1610, Fully-Activated Appliance' is shown below the list. It includes a description: 'This fully activated appliance provides a pre-installed SAP S/4HANA 1610 (FPS 00), including pre-activated SAP Best Practices content and sample data. It lets you explore pre-configured business processes in a simplified user experience with SAP Fiori.' The publisher is SAP SE, and it is available in Amazon Web Services, Microsoft Azure (Classic). The status is Available. The update date is 35 (Feb 20, 2017, 06:48:37) and the virtual machines count is 4. Links for 'Getting Started Guide' and 'Terms and Conditions' are provided. Below this, the 'RECOMMENDED VM SIZES' table is displayed:

Cloud Provider	Virtual Machine	Size	Required
Amazon Web Services	SAP BusinessObjects BI Platform	r3.xlarge (4 cores, 30.5GB memory)	No
	SAP S/4HANA 1610 (based on SAP Netweaver AS ABAP 7.51)	r3.8xlarge (32 cores, 244GB memory)	Yes
	SAP NetWeaver 7.50 AS JAVA with Adobe Document Services	r3.xlarge (4 cores, 30.5GB memory)	Yes
	Windows Remote Desktop	m3.xlarge (4 cores, 15GB memory)	No
	SAP BusinessObjects BI Platform	A6 (4 cores, 28GB memory)	No
Microsoft Azure (Classic)	SAP S/4HANA 1610 (based on SAP Netweaver AS ABAP 7.51)	H16m (16 cores, 224GB memory)	Yes
	SAP NetWeaver 7.50 AS JAVA with Adobe Document Services	A6 (4 cores, 28GB memory)	Yes
	Windows Remote Desktop	D3 (4 cores, 14GB memory)	No

Below the table, the 'RELATED ACCOUNTS' section shows a table with columns for 'Account Name', 'Cloud Provider', 'Cloud Provider ID', and 'Status'. The status is 'No available data'.

Business Scenarios Recommendations

SAP Business Scenario Recommendations for SAP S/4HANA ... provided by SAP support

Sample Inc.
High Tech

OVERVIEW **EXECUTIVE SUMMARY** BUSINESS SCENARIOS RECOMMENDATIONS HOW TO IMPLEMENT NEXT STEPS FURTHER INFORMATION

Executive Summary – Top Recommendations

SAP S/4HANA simplifies and accelerates key business scenarios with in-memory technology. The table below shows the business scenarios in your system that could be simplified or improved and impact your business value.

LINES OF BUSINESS	BUSINESS SCENARIO		RELEVANCE FOR YOU	IMPROVED / RELEVANT TRANSACTIONS
Supply Chain	Basic Warehouse Management		Simplified 100%	114
Finance	Cost Management		Simplified 95%	87
Finance	General Ledger		Simplified 91%	59
Finance	Accounts Receivable		Simplified 86%	43
Finance	Profitability and Cost Analysis		Simplified 81%	38
Finance	Asset Accounting		Simplified 76%	35
Sourcing & Procurement	Purchase Order Processing		Simplified 72%	31
Services	Technical Assets, Structures, History		67%	25
Finance	Accounts Payable		Simplified 62%	27
Services	Service Execution and Delivery		62%	23
Sourcing & Procurement	Procurement Analytics		Simplified 58%	18

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How Do I Run a BSR?

- Download data from ST03N
- More data is better
- Submit via web
 - <http://s4hana.com>
- Results in five days
- No cost

SAP Business Scenario Recommendations for SAP S/4HANA ... provided by SAP support

Sample Inc. High Tech OVERVIEW EXECUTIVE SUMMARY BUSINESS SCENARIOS RECOMMENDATIONS HOW TO IMPLEMENT NEXT STEPS FURTHER INFORMATION

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SAP S/4HANA Readiness Check

SAP Readiness Check for SAP S/4HANA - Simplification Item Check

Simplification Item Check Options

Target SAP S/4HANA Version: SAP S/4HANA 1709 [Initial Shipment Stack]

New Check in On-line Mode
 New Check in Batch Mode
 Display Simplification Item List
 Display Exemption Log

SAP

Check Consistency for All
 Check Details for Selected Items
 Display Consistency Check Log
 Apply/Revoke Exemption
 Display Exemption Log

Simplification Item List

Application Area	ID	Title	Component	Category	Relevance	Last Consist	Exemption P	Note	Summary
Master Data	SI2: MasterData_BP	S4TWL - Business Partner Approach	LO-MD-BP	Change of existing functionality	▲	●	⊗	2265093	Check performed, item is pro
Logistics - PP	SI2: Logistics_PP-MRP	S4TWL - Storage Location MRP	PP-MRP	Functionality unavailable (equivalent exists)	▲	●	⊗	2268045	Check performed, item is pro
Industry DIMP - High Tech	SI3_IS_DIMP_HT	S4TWL - Contract Management Enhancements	IS-HT-SW-CM	Functionality unavailable (no equivalent)	▲	●	▲	2270850	Check performed, item is pro
Master Data	SI5: MasterData_PM	S4TWL - Simplification of copy/reference handling	LO-MD-MM	Change of existing functionality	▲	●	⊗	2330063	Check performed, item is pro
Industry DIMP - Aerospace & Defense	SI6: Industry_DIMP_AD	S4TWL - Enhancements Subcontracting Special Stock Types Not Av	IS-ADEC,IS-ADEC-SUB	Functionality unavailable (no equivalent)	▲	●	▲	2270839	Check performed, item is pro
Logistics - MM-IM	SI1: Logistics_MM-IM	S4TWL - DATA MODEL IN INVENTORY MANAGEMENT (MM-IM)	MM-IM-GF	Change of existing functionality	▲	●	⊗	2206980	Check performed, item is pro
Logistics - MM-IM	SI3: Logistics_MM-IM	S4TWL - Material Ledger Obligatory for Material Valuation	MM-IM-GF-VAL	Change of existing functionality	▲	▲	⊗	2267834	Check performed, item is pro
Financials - Miscellaneous	SI6: FIN_MISC_ML	S4TWL - Conversion to S/4HANA Material Ledger and Actual Costing	FIN-MIG-ML	Change of existing functionality	▲	▲	⊗	2352383	Check performed, item is pro
Industry DIMP - High Tech	SI11_IS_DIMP_HT	S4TWL - RosettaNet	IS-HT-RN	Functionality unavailable (no equivalent)	▲	■	⊗	2383076	Check performed, item is pro
Industry DIMP - EC&O	SI1 ECO_ETM_GENERAL	S4TWL - ETM General	IS-ADEC-ETM	Non-strategic-function (no equivalent yet)	▲	■	⊗	2326777	Check performed, item is pro
Sales & Distribution	SI2: SD_PRIC	S4TWL - Data Model Changes in SD Pricing	SD-BF-PR,SD-MD-CM	Change of existing functionality	▲	■	⊗	2267308	Check performed, item is pro
Industry DIMP - Aerospace & Defense	SI4: Industry_DIMP_AD	S4TWL - Flight Scheduling	IS-ADEC	Functionality unavailable (no equivalent)	▲	■	⊗	2270837	Check performed, item is pro
Master Data	SI6: MasterData_PM	S4TWL - Foreign Trade fields in Material Master	LO-MD-MM	Functionality unavailable (equivalent exists)	▲	■	⊗	2267225	Check performed, item is pro
Industry DIMP - High Tech	SI6_IS_DIMP_HT	S4TWL - User Exits in DRM	IS-HT-DRM	Functionality unavailable (no equivalent)	▲	■	⊗	2270853	Check performed, item is pro
Industry DIMP - Aerospace & Defense	SI8: Industry_DIMP_AD	S4TWL - AECMA SPEC 2000M Military Version	IS-ADEC,IS-ADEC-SPC	Functionality unavailable (equivalent exists)	▲	■	⊗	2270840	Check performed, item is pro
Logistics - PS	SI10: Logistics_PS	S4TWL - Simplification of Date Planning Transactions	PS-DAT	Non-strategic-function (equivalent exists)	▲	■	⊗	2267188	Check performed, item is pro
Financials - Controlling	SI11: FIN_CO	S4TWL - Summarization Hierarchies in Controlling	CO-PC-IS	Change of existing functionality	▲	■	⊗	2349282	Check performed, item is pro
Logistics - PP	SI11: Logistics_PP	S4TWL - MRP in HANA	PP-MRP	Non-strategic-function (equivalent exists)	▲	■	⊗	2268085	Check performed, item is pro
Logistics - PP	SI12: Logistics_PP	S4TWL - Planning File	PP-MRP,PP-MP-LTP	Change of existing functionality	▲	■	⊗	2268088	Check performed, item is pro
Logistics - PLM	SI13: Logistics - PLM	S4TWL - Variant Configuration	LO-VC	Change of existing functionality	▲	■	⊗	2267873	Check performed, item is pro

SAP S/4HANA Online Readiness Check

SAP Readiness Check for SAP S/4HANA

Analysis Overview for Test Review

Test Review Open Critical Information

Customer Number: 33018 Created By (ID): D053442 Created At: 4/5/2017 10:39:04 AM Custom Code Source System: ERQ0002 Target S/4HANA Product Version: SAP S/4HANA 1610
 Customer Name: SAP AG Created By (Name): Laura Hoeltgen Source: Manual Upload Analyzed System: XTQ Target S/4HANA Stack: 01 (02/2017) FP

Search: Enter search term

Michael Pytel (S0007997187)

Custom Code Analysis

Usage of functionality not supported any more: 49

Semantically incompatible change: 3

Syntactically incompatible change: 17

Change with performance impact: 1

Add-On Compatibility

Updated 1 day(s) ago Open

Active Business Functions

Updated 1 day(s) ago

Simplification Items

96 Total Relevant Items

- Functionality unavailable (no equivalent)
- Functionality unavailable (equivalent on roadmap)
- Functionality unavailable (equivalent exists)
- Non-strategic-function (equivalent exists)
- Non-strategic-function (no equivalent yet)
- Change of existing functionality

Custom Development Projects

Name	Size
SAP SE - Fiori	Large
SAP - PLM	Medium
SAP - ERP	X-Large

Showing 3 of 13

Transactions

1 Functionality changed

ECD

Custom Code Source System: ECD Database System Type: Operating System Version: Analyzed System: Unicode: SAP Kernel Release:

Custom Code Analysis Next Steps and Further Information

General Statistics:

Total SAP Notes: 220 Total Custom Code Objects: 1878
 Relevant SAP Notes: 21 Total Modifications: 121
 Non-Relevant SAP Notes: 199

Package with Customer Objects

Custom Code Topic	SAP Note Number	Status	Estimated Impact
S/4 HANA: Data Model Changes in SD	2198647	Syntactically incompatible change of existing functionality	Low
Material Inventory Management: change of data model in S/4HANA	2206980	Syntactically incompatible change of existing functionality	Low
Sales support not available	2214585	Syntactically incompatible change of existing functionality	Low
Material Number Field Length Extension - General Information	2215424	Syntactically incompatible change of existing functionality	Low
S/4 HANA: Data Model Changes in Pricing and Condition Technique	2220005	Syntactically incompatible change of existing functionality	Medium
Deprecation of selected PS ITS services : Confirmation and project documents	2225846	Functionality not available	Low
SAP S/4 HANA Simplification Item: Public Sector specific fields in Business Partner	2226131	Semantically incompatible change of existing functionality	Low
SAP S/4HANA Simplification Item: Miscellaneous minor deprecations in SD Area	2228098	Syntactically incompatible change of existing functionality	Low
SAP S/4 HANA custom code adaption - removal of orphaned objects	2296016	Functionality not available	Low

SAP S/4HANA Readiness Check

- <https://launchpad.support.sap.com/#readiness>
- Update the where used index in Production or a Production copy.
 - Execute report SAPRSEUB as background job. For more details see SAP Note 2234970.
 - This can take some time....
- Implement these notes
 - Implement SAP Note 2462288 to collect the HANA sizing data.
 - Implement SAP Note 2399707 to collect the simplification item relevance.
 - Implement SAP Note 2443236 to collect the business process analytics analysis.
 - Implement SAP Note 2185390 as a prerequisite note.
 - Implement SAP Note 2568736 Implement SAP Note 2310438

SAP Best Practice Explorer

- <https://rapid.sap.com/bp>
- Process Templates
- Project Accelerators
- Configuration Guides
- Process Flow Diagrams
- Integrated with Solution Manager 7.2

The screenshot displays the SAP Best Practices Explorer interface. The main dashboard includes sections for 'Solution Packages' (119), 'SAP S/4HANA' (24), 'With SAP Solution Manager 7.2', and 'Updates From Last Two Quarters'. Below this, there are 'My Areas' for 'SAP Solution Manager 7.2 Basket' (1) and 'Favorites' (0). A detailed view of a solution package is shown, titled 'SAP Best Practices for SAP S/4HANA (on premise)'. This view includes tabs for 'Overview', 'Solution Scope', 'Accelerators', and 'Find Out More'. The 'Solution Scope' section contains a table of 'Scope Item Groups'.

Name	Description
> Finance	Achieve excellence in financial management & accounting: In the face of sustained market volatility, increasing regulatory compliance, growing pressure on margins, and managers demanding instantaneous financial insight at any time, from anywhere, finance organizations must have best practices in place to excel.
> Sales	Engaging the Empowered Customer: Technology has changed the dynamics of customer relationships. People today are more informed and empowered than ever before. They're digitally connected and offer opinions freely using social media. They live in the moment and update their relationship status, interact with friends, and share their likes and dislikes in real time. Companies today need to adapt to this new reality to engage customers and

Solution Manager 7.2 - Look & Feel

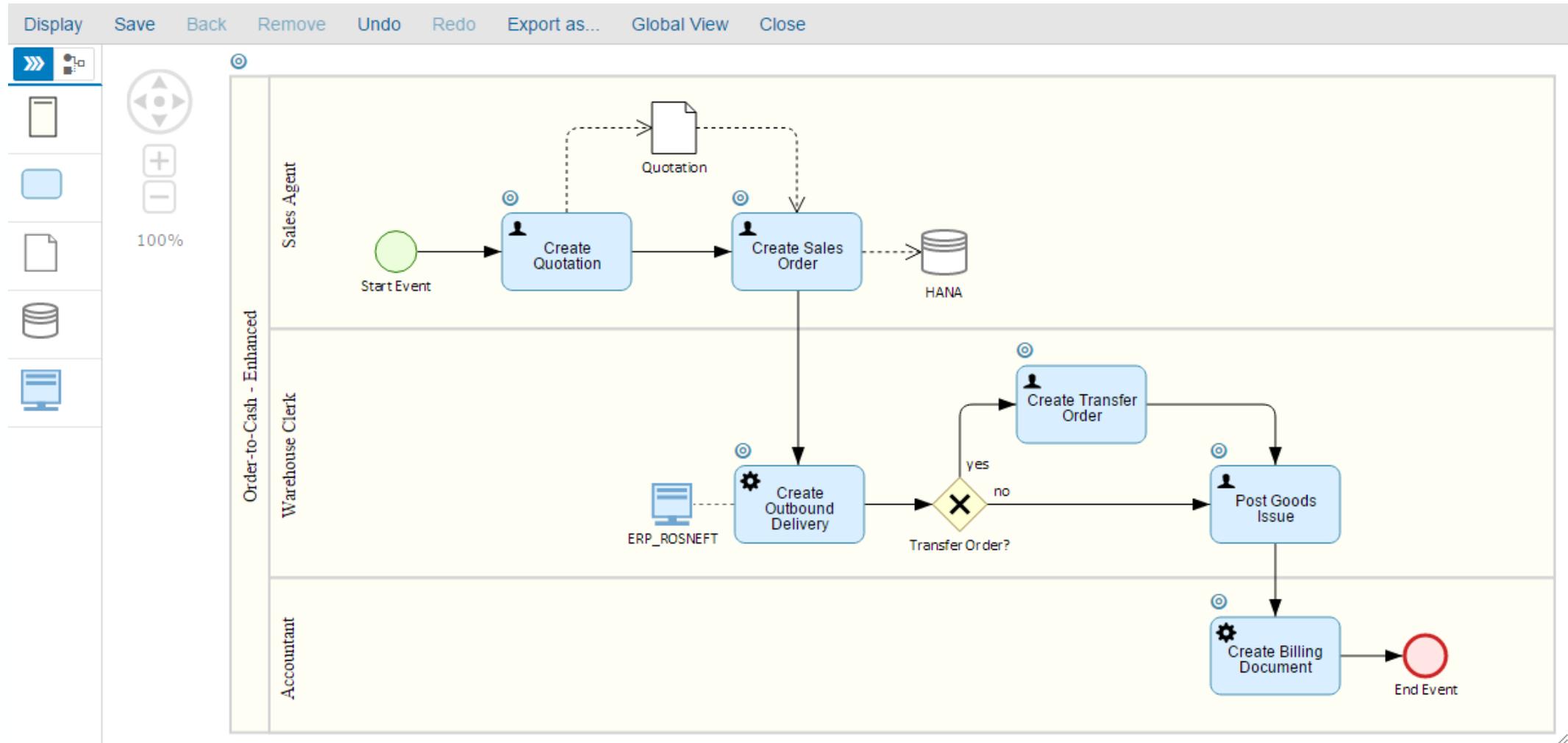
- Solution Documentation
- S4HANA Process Templates
- Organized
 - By Role
 - By System
- Searchable
- Web Based

The screenshot displays the SAP Solution Manager 7.2 interface for the 'Order-to-Cash - Enhanced' process template. The breadcrumb navigation shows the path: Solution > Business Processes > End-to-End Processes > Order-to-Cash > Order-to-Cash - Enhanced. The interface is organized into several panes:

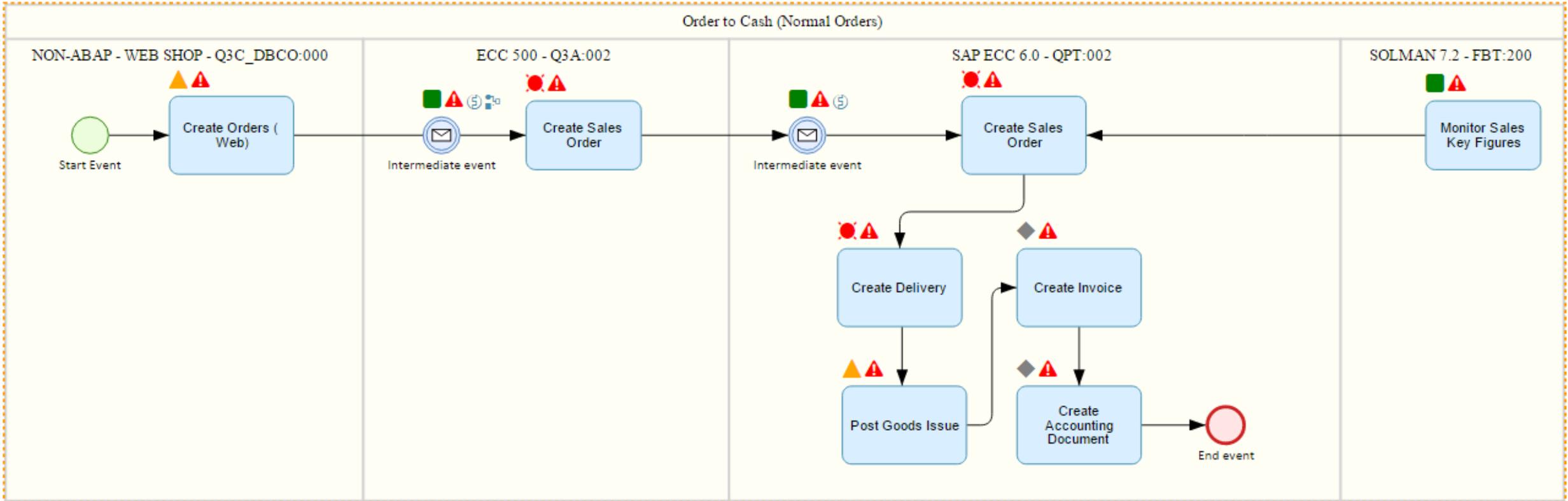
- Left Pane:** A tree view showing the process structure with nodes for 'Order-to-Cash', 'Procure-to-Pay', 'Make-to-Stock', and 'Assemble-to-Order'.
- Center Pane:** A detailed view of the 'Order-to-Cash - Enhanced' process, showing sub-processes like 'Order-to-Cash - Standard', 'Order-to-Cash - Rush Order', and 'Order-to-Cash - Enhanced'.
- Right Pane:** A list of activities associated with the process, including 'Create Billing Document', 'Post Goods Issue', 'Create Outbound Delivery', 'Create Quotation', 'Replicate', 'Create Sales Order', and 'Create Transfer Order'.
- Bottom Pane:** A table titled 'Elements of Order-to-Cash - Enhanced' listing various elements and their types.

Group	Name	Type
Diagrams	OTC Enhanced End User View	Process Diagram
Diagrams	OTC Enhanced System View	Process Diagram
Diagrams	OTC Enhanced Monitoring	Process Diagram
Process Links	Cause-based Time Recording	Process <Link>
Documentation	OTC Process Description	Document (Best Practice)
Configuration	Order-to-Cash - Standard	Configuration Unit <Ref.>

Process - Role View



Process - System View



Jumpstarting Process Documentation

The screenshot displays the SAP S/4HANA development environment for 'NIMBL LLC - Development'. The main window shows the 'Z_ERP_ECC_60' library structure with a tree view on the left and a table of objects on the right. The 'CO' folder is selected in the tree view, and the table below lists the objects within this folder.

Schedule Library Generation

Library

- * Library: Development
- * Logical Component Group: Z_ERP_ECC_60
- * Branch: Development

Source

- * System Role: Development System
- System: ED1:800

Options

Job Period:

- Once (Immediate)
- Daily
- Weekly
- Monthly

Extend Library

Refresh Library

Name	Object	Logical Component Group	Type
BAdI Class CL_EX_QISR1	CL_EX_QISR1	Z_ERP_ECC_60	Classes/Interface <Dev.Orig.>
Imp. Class for BAdI-Imp. QISR_SR63	CL_IM_QISR_SR63	Z_ERP_ECC_60	Classes/Interface <Dev.Orig.>
Imp. Class for BAdI Imp. QISR_SPS2MPO	CL_IM_QISR_SPS2MPO	Z_ERP_ECC_60	Classes/Interface <Dev.Orig.>
ISR: XML Interface	QISR2	Z_ERP_ECC_60	Function Group <Dev.Orig.>
ISR: Interface for Web Objects	QISR10	Z_ERP_ECC_60	Function Group <Dev.Orig.>
ISR: IAC Dialog Transactions	QISR3	Z_ERP_ECC_60	Function Group <Dev.Orig.>
ISR: General Access Modules	QISR9	Z_ERP_ECC_60	Function Group <Dev.Orig.>

TECHNOLOGY INNOVATIONS

Implement HANA Now!

- Migrate non-ECC systems to HANA (BW, SolMan, etc.)
 - Gain experience with HANA with less business impact
- Migrating your current ECC system to HANA provides the benefits of running SAP on HANA while minimizing the end user impact in the short term.
 - This is a critical first step to being on S/4HANA.
 - Allows you to perform required tasks such as Unicode conversions and upgrades to minimum package levels as part of the migration project.

Implement HANA Now!

- Create an Enterprise Data Warehouse that runs on HANA and replicates data from multiple sources
 - Provides the benefits of real time reporting in your current environment
 - Allows the development and infrastructure teams to work become familiar with HANA over time

SAP Fiori 2.0 & SAP GUI HTML

The image displays two overlapping SAP user interfaces. On the left is the SAP Fiori 2.0 Home page, which features a top navigation bar with the SAP logo, a search icon, and a breadcrumb trail: Europe > My Home > SAP Lumira > North America > North America BOBJ > Buyer (MI). Below the navigation bar is a grid of tiles for various business processes, including 'Customer List', 'Billing Document Create', 'Billing Document Change', 'Billing Due List Change', 'Release Billing Documents', 'Create Condition', 'Change Condition', 'Display Condition', and 'RRB Performance Improvement with RoadRunner'. At the bottom of the grid are two buttons: 'Create Customer' and 'Change Customer'. A large blue arrow points from the 'Billing Due List Change' tile to the right-hand interface.

On the right is the SAP GUI HTML 'Maintain Billing Due List' form. The title bar shows the SAP logo and the text 'Maintain Billing Due List'. Below the title bar are tabs for 'DisplayBillList', 'DisplayVariants', and 'More'. The form contains several input fields and sections:

- Billing Date:** from [] to 03/06/2017
- Billing Type:** [] to: []
- SD Document:** [] to: []
- Organizat. Data:**
 - Sales Organization: []
 - Distribution channel: [] to: []
 - Division: [] to: []
 - Shipping point: [] to: []
- Customer Data:**
 - Sold-To Party: [] to: []
 - Destination country: [] to: []
 - Sort Criterion: [] to: []
- Documents to be selected:**
 - Order-related
 - Delivery-related
 - Rebate-related
 - Intercompany Billing
 - No docs with billing block
 - Docs with POD Status

At the bottom right of the form are 'Save' and 'Cancel' buttons.

SAP Fiori 2.0 & SAP GUI HTML

- Seamless transition to SAP GUI t-codes
- Standard SAP transactions will appear in the Belize theme by default
- Opens additional tab within the browser
- Not mobile enabled by default
- SAP Easy Access Menu is disabled
- Fiori Tiles are configured – not developed

*No Fiori Development experience needed

The screenshot displays the 'Maintain Billing Due List' application in the SAP Fiori interface. The top navigation bar includes the SAP logo and the title 'Maintain Billing Due List'. Below the navigation bar, there are tabs for 'DisplayBillList', 'DisplayVariants', and 'More'. The main content area is divided into several sections:

- Billing Date:** A date range selector with 'Billing Date from:' and 'to:' fields. The 'to:' field is populated with '03/06/2017'.
- Billing Type:** A dropdown menu.
- SD Document:** A text input field.
- Selection:** A tabbed interface with 'Selection', 'Default Data', and 'Batch and Update' tabs.
- Organizat. Data:** Fields for 'Sales Organization:', 'Distribution channel:', 'Division:', and 'Shipping point:', each with a 'to:' field and a selection icon.
- Customer Data:** Fields for 'Sold-To Party:', 'Destination country:', and 'Sort Criterion:', each with a 'to:' field and a selection icon.
- Documents to be selected:** A list of checkboxes for document selection: 'Order-related', 'Intercompany Billing', 'Delivery-related' (checked), 'No docs with billing block', 'Rebate-related', and 'Docs with POD Status'.

At the bottom right, there are 'Save' and 'Cancel' buttons.

SAP Fiori 2.0 & SAP GUI HTML

- Allows your end users the ability to become comfortable with Fiori. This is especially true for Fiori applications that completely replace t-codes in SAP GUI.
- You can roll out new applications when you'd like, not when you have to because of the conversion.
- Provides the ability to pull the security work for Fiori forward instead of requiring it as part of the S/4HANA migration project.

The screenshot displays the 'Maintain Billing Due List' application in SAP Fiori. The interface is clean and modern, with a blue header bar containing the SAP logo and the application title. Below the header, there are navigation options: 'DisplayBillList', 'DisplayVariants', and 'More'. The main content area is divided into several sections:

- Selection:** Contains input fields for 'Billing Date from', 'Billing Type', and 'SD Document', along with date pickers for 'to' (set to 03/06/2017) and 'to' for the other two fields.
- Default Data:** Includes tabs for 'Selection', 'Default Data', and 'Batch and Update'.
- Organizat. Data:** Contains fields for 'Sales Organization', 'Distribution channel', 'Division', and 'Shipping point', each with a 'to' field and a selection icon.
- Customer Data:** Contains fields for 'Sold-To Party', 'Destination country', and 'Sort Criterion', each with a 'to' field and a selection icon.
- Documents to be selected:** A list of checkboxes for document types: 'Order-related', 'Intercompany Billing', 'Delivery-related' (checked), 'No docs with billing block', 'Rebate-related', and 'Docs with POD Status'.

At the bottom right, there are 'Save' and 'Cancel' buttons.

WHAT CAN YOU DO NOW?

Customer Vendor Integration to Business Partners

- In S/4HANA, the use of Business Partners becomes mandatory
- Allows for master data to be managed centrally as one business partner can have multiple roles (Customer, Vendor, etc.)
- Requires conversion of all existing business relationships in SAP via Customer Vendor Integration

Customer Vendor Integration to Business Partners

- Conversion via CVI is highly technical and many adaptations may need to happen in the system for the project to be successful
 - Number range management
 - Cleansing and synchronization of master data objects into Business Partner objects
 - Code changes to adopt Business Partner functionality

Customer Vendor Integration to Business Partners

- Conversion also requires screen customization as the BP transaction can have **MANY** fields that your users will not need.
 - End user involvement in this process is encouraged as this change in particular can be overwhelming for users who have been using the previous transactions for a long time.
- Involvement of your security team early should be a priority as restricted fields in previously used transactions may no longer be restricted to the same users unless roles are adjusted.

Customer Vendor Integration to Business Partners

The screenshot displays the SAP Business Partner (BP) integration interface. It features three overlapping windows, each showing a different role for the same person (Barbara Lee).

- Top Window:** **Display Person: 1000030, role Financial Services BP**. Shows fields for Name, Title, First name (Barbara), Last name (Lee), and Correspondence lang. (English).
- Bottom-Left Window:** **Display Person: 998000091, role FI Supplier**. Shows fields for Business Partner (998000091) and Display in BP role (FLVN00 FI Supplier).
- Bottom-Right Window:** **Display Person: 998000091, role Financial Services BP**. Shows fields for Business Partner (998000091) and Display in BP role (FS0000 Financial Services BP).

The interface includes a navigation bar with tabs for Address, Address Overview, Identification, Control, Payment Transactions, Status, Ratings, Creditworthiness Data, Financial Reporting Data, Employment Data, Additional Data, and Additional information. A dropdown menu on the right lists these tabs. The bottom window also includes an 'Address Overview' table and an 'Address Usages' tree view.

Co...	Address Description	Valid From	Valid To	Move
DE	D- 00000	11/01/2018	12/31/9999	

Unrestricted-Use Fields	
Grouping Number 01	000
Grouping Number 02	000
Grouping Number 03	000
Grouping Number 04	000
Grouping Number 05	000
Grouping Number 06	000
Grouping Number 07	000
Grouping Number 08	000
Grouping Number 09	000
Grouping Number 10	000
Grouping Number 11	000

User-Defined Text Fields	
User-Defined Text Number 01	
User-Defined Text Number 02	
User-Defined Text Number 03	
User-Defined Text Number 04	
User-Defined Text Number 05	
User-Defined Text Number 06	
User-Defined Text Number 07	
User-Defined Text Number 08	

Unrestricted-Use Checkbox	
Checkbox Number 01	<input type="checkbox"/>
Checkbox Number 02	<input type="checkbox"/>
Checkbox Number 03	<input type="checkbox"/>
Checkbox Number 04	<input type="checkbox"/>
Checkbox Number 05	<input type="checkbox"/>
Checkbox Number 06	<input type="checkbox"/>

- Address
- Address Overview
- Identification
- Control
- Payment Transactions
- Status
- Ratings
- Creditworthiness Data
- Financial Reporting Data
- Employment Data
- Additional Data
- Additional information
- Fiscal Data
- Customer Segment
- Additional Names
- Total Commitment

Conversion to New Asset Accounting

- New Asset Accounting was introduced in SAP ECC 6.0 EHP7
- Conversion to New Asset Accounting is also required for upgrading to S/4HANA
- SAP recommends using New Asset Accounting for all new implementations
- Several benefits that will make your accounting department happy (e.g. parallel valuation, real time depreciation postings)

Credit Management

- Conversion to FSCM Credit Management is required for upgrading to S/4HANA.
- Introduced in ECC 6.0 EHP 2 as part of FSCM

Custom Code Analysis

- We must answer the following questions
 - For a migration to HANA, will my custom code run on HANA?
 - How much effort will be required to remediate?
- When should I run the ABAP compatibility analysis?
 - You can run today – and should be included in your ABAP maintenance processes until you migrate to HANA

Custom Code Analysis

- For S/4HANA, will my custom code run on HANA?
 - Title: ABAP custom code migration for SAP HANA - recommendations and Code Inspector variants for SAP HANA migration
Link: <https://launchpad.support.sap.com/#/notes/1912445>
- For S/4HANA, how will S/4HANA impact my custom code?
 - Title: SAP S/4HANA: Recommendations for adaption of customer specific code
Link: <https://launchpad.support.sap.com/#/notes/0002190420>
 - Title: SAP S/4HANA: Content for checking customer specific code
Link: <https://launchpad.support.sap.com/#/notes/2241080>

LESSONS LEARNED

Common Problems

- Interfaces, interfaces, interfaces...
 - Unknown or undocumented interfaces writing to file system
 - ABAP code that references DB specific SQL functionality (EXEC SQL)
- Business Partner Conversion
 - Security
 - Customizations
- Don't underestimate Fiori effort

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Presentation Materials

Access the slides from 2019 ASUG Annual Conference here:

<http://info.asug.com/2019-ac-slides>

Q&A

For questions after this session, contact us at bryan.parrott@benimbl.com and gabe.mensching@benimbl.com.

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