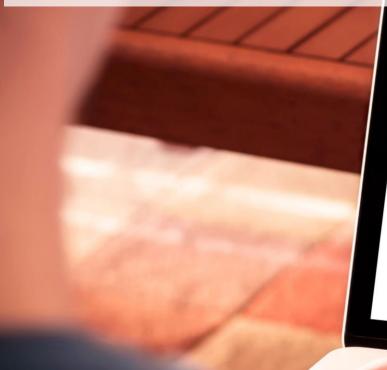
# **SAP S/4HANA Webinar Series**

#### SAP Global User Groups Organization



#### SAP S/4HANA Service & Support Business Networks SAP News International Focus Groups Technology & Innovation owledge for Success Cross Topics StepStone Steps into the Cloud with AP@ Business ByDesian@

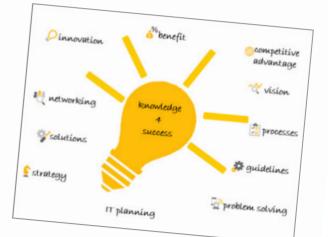
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Join our webinar series dedicated to the SAP User Groups, to set the corner stone of your success. We plan to regularly provide you

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- webinar series will guide you, as SAP user, by:
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- Showcasing the latest product innovations

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### S/4HANA – Webinar Series 4 SAP User Groups

Introduction to SAP S/4HANA **Bert Schulze** Introduction to SAP S/4HANA Cloud Yannick Peterschmitt Introduction to SAP S/4HANA On-Premise Edition **Christian Vogler** S/4HANA Adoption: S/4HANA Activate Holger Steffens Roland Hamm S/4HANA Transition: Landscape Transformation S/4HANA Transition: System Conversion **Christoph Nake** S/4HANA Transition: New Implementation (Green Field Kristina Henn Approach) S/4HANA Services: Premium Engagement Packages Meinolf Kaimann & Danone S/4HANA Services: HANA Cloud Integration Udo Paltzer

June 14

June 16

June 21

June 23

June 28

June 30

July 5

July 6

July 12

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# Introduction to SAP S/4HANA, on-premise edition 1511

**Christian Vogler** 

SAP S/4HANA Product Management

SAP SE





# Introduction to SAP S/4HANA, on-premise edition 1511

### Agenda

- 1. What is SAP S/4HANA, on-premise edition 1511?
- 2. Current Solution

### 3. Roadmap

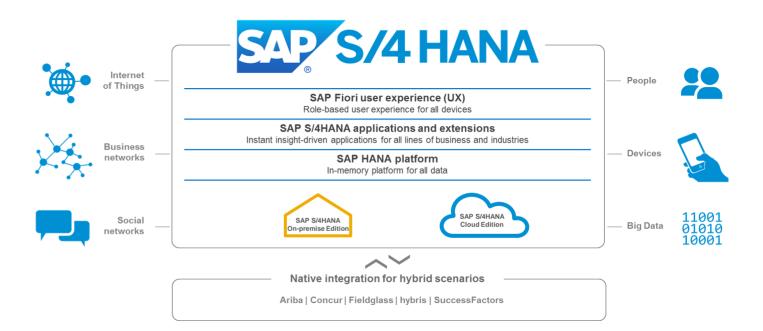


### **SAP S/4HANA**

**Our Next-Generation Business Suite** 

SAP S/4HANA build the next-generation business suite

- » Innovative in-memory Database
- » New architecture and data models
- Renewed applications
- » New UI technology
- » Cloud & on-premise deployment models
- » Natively integrated



**SAP S/4HANA is a new product line** (*it is not a legal successor of any SAP Business Suite product*) The classical SAP Business Suite & SAP ERP is a separate product line and will still be available.

# **SAP S/4HANA**

Value proposition

SAP S/4HANA is a full enterprise management suite, is SAP's next generation Business Suite and is a completely new product and code line and covers the areas of finance, sourcing & procurement, asset management, manufacturing and supply chain.

#### **Key benefits**

#### Instant, real-time insight for better decisions

- in-memory technology
- embedded analytics

#### **Reinvented processes for higher performance**

- maximized throughput and speed
- native integration to SAP solutions

#### SAP Fiori user experience for higher productivity

- intuitive on all devices, mobile first
- proactive decision-making support

#### **Simplified Architecture for lower TCO**

lean data footprint



### **SAP S/4HANA**

**Next-Generation Business Suite** 

cluded Modules		Included Industrie
Logistics General (LO)	Product Lifecycle Management (PLM)	Core industries
Sales and Distribution (SD)	Materials Management (MM)	Life Sciences     Wholesale
Logistics Execution (LE)	Quality Management (QM)	<ul><li>High Tech</li><li>Mining</li></ul>
Plant Maintenance (PM)	Customer Service (CS)	<ul> <li>Industrial Machinery &amp; Components</li> </ul>
Production Planning & Control (PP)	Project System (PS)	Core Industries – adding
Environment, Health & Safety (EHS)	Others: Global Trade Management, Compensation Management, Agency Business,	features and processes* <ul> <li>Automotive</li> </ul>
Finance	Human Resources	· IM&C · A&D
		Mill Products

Feature and function parity to SAP ECC 6.0x

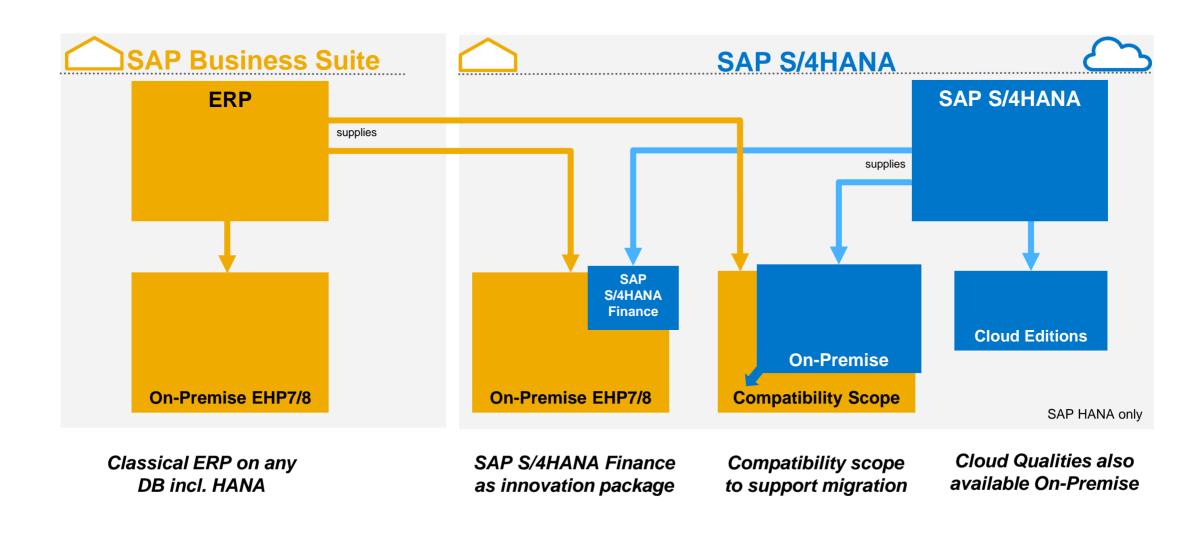
#### plus

- Major innovations in core modules like Finance and Materials Management and Operations
- Inclusion of additional industries in the Core
- Major Simplifications (http://help.sap.com/s4hana\_op\_1511)
- Supporting digital Trends like Internet of Things, Business Networks, etc

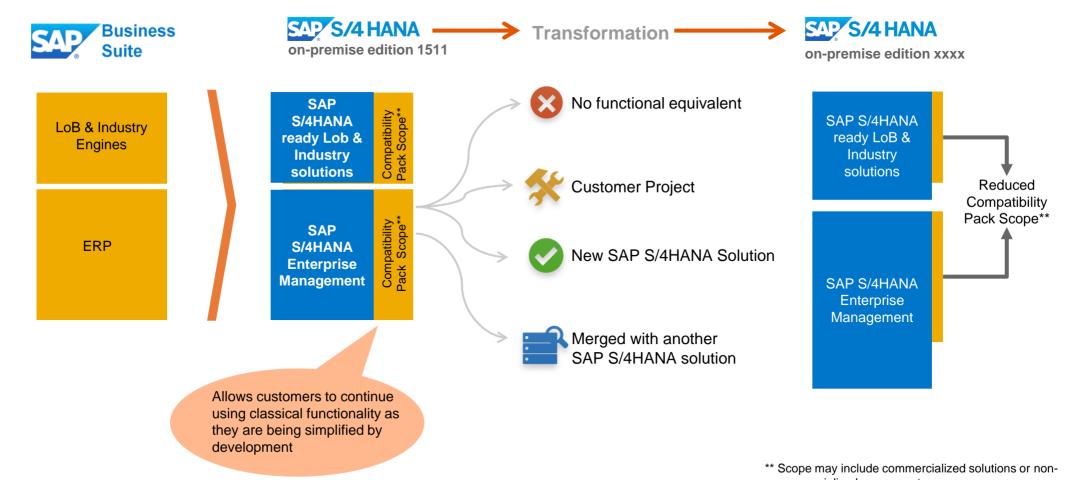
\*See Roadmap

### **SAP S/4HANA** and **SAP Business Suite**

Understanding the difference

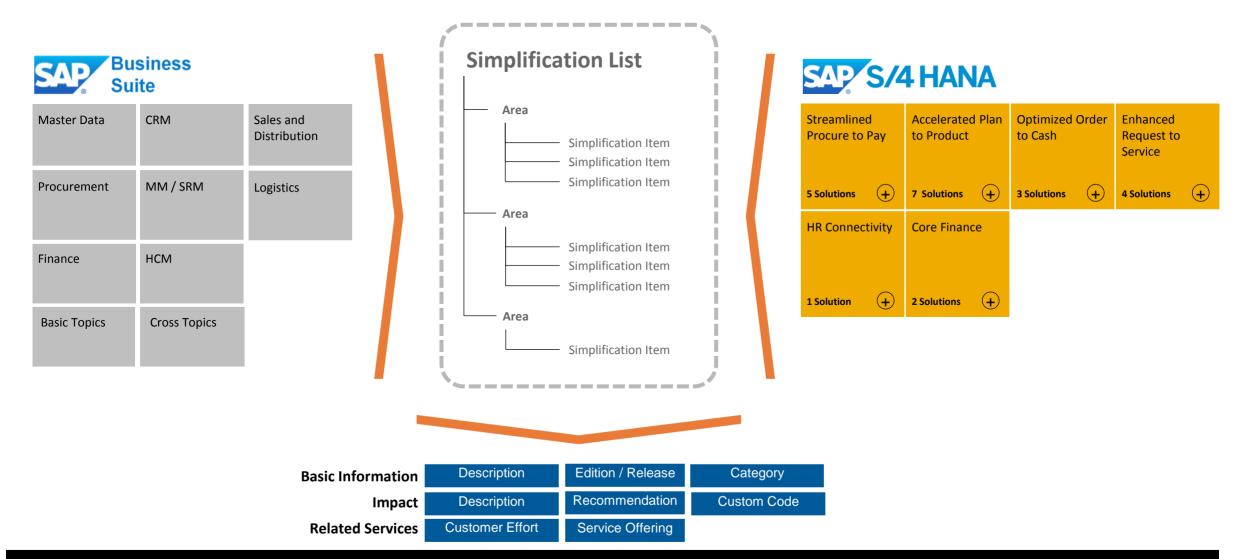


Why Compatibility Pack?

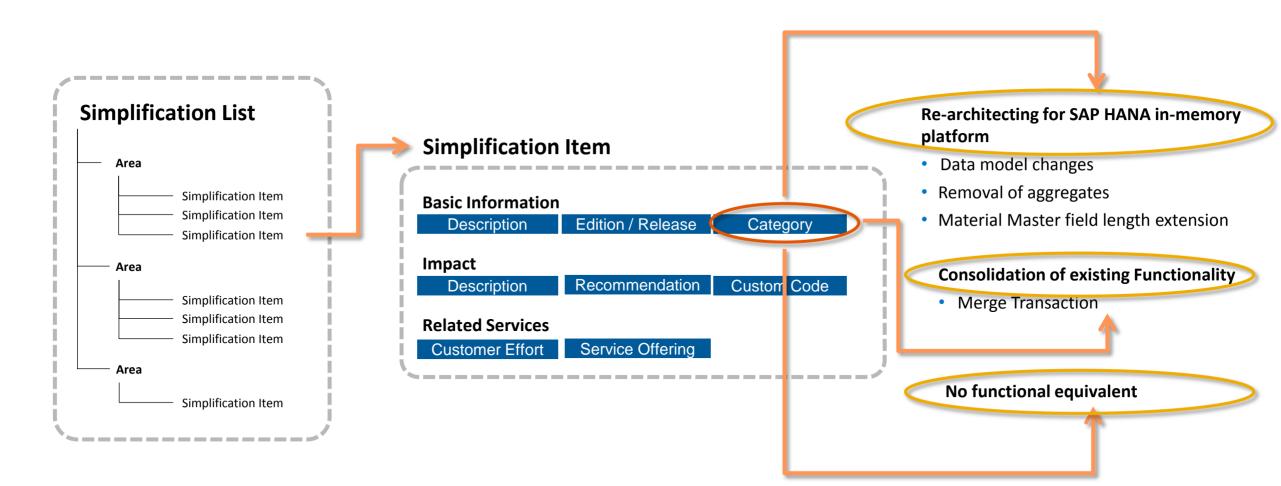


10

Simplification List – Application-area-wise sorting of items



Simplification List – Overview



# SAP S/4HANA, on-premise edition 1511 FPS02

**Simplification List** 

- >> Currently we have 293 Simplification List Items. They fall basically into three categories
- >> Based on our current project experience in average 30-50 Simplification Items are finally relevant for a dedicated customer

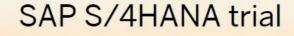
~17%		<b>Change of existing functionality: 17%</b> (50/293) Example: Simplifications of Data Structure (for example in Sales & Distribution)
	~ 33% functional equivalent available	Functionality not available within SAP S/4HANA (with or without functional equivalent): 59% (175/293) Example:
~59% ~26% functional equivalent not available	<ul> <li>FI-AR-CR Credit Management is not available, functional equivalent is FIN-FSCM-CR</li> <li>ITS Services in QM are not available without direct successor</li> </ul>	
~24%		<b>Not the target architecture: 24%</b> (68/293) functionality still available
2170		Example: The Warehouse Management (LE-WM) is not the target architecture. The (already available) alternative functionality is SAP EWM.



Current Version: Simplification List for SAP S/4HANA, on-premise edition 1511 FPS02: <u>Link</u>

SAP S/4HANA SCN: Further Details for selected Simplification Items (e.g. Business Partner Approach, Material Field Length extension, ...): Link





Introducing SAP S/4HANA, the digital core designed to help you run simple in a digital economy.

Start your trial now

Explore SAP S/4HANA with a 30-day trial and evaluate digitized business processes to see firsthand how a digital core can impact your organization.

See how the personalized user experience allows instant insight-to-action from any device to drive on the fly business decisions and immediate execution. And use modern visualizations such as maps and infographics to unlock the value of all your data. Designed for IT professionals, the SAP S/4HANA trial provides a complete on-premise landscape, deployed via AWS, to explore the power, flexibility, and customization available in our next generation business suite.

Get started now and discover the full potential our digital business foundation can bring to your enterprise.

### Get your guided tour in the on-premise edition ow!

https://go.sap.com/cmp/oth/crm-s4hana/s4hana-on-premise.html

Contact Us



# Introduction to SAP S/4HANA, on-premise edition 1511

### Agenda

1. What is SAP S/4HANA, on-premise edition 1511?

### 2. Current Solution

### 3. Roadmap



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### Hello **Christian Vogler** from **SAP** Welcome to Innovation Discovery

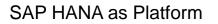
Find the innovations and features that you can turn into tangible value for your business

DISCOVER INNOVATIONS

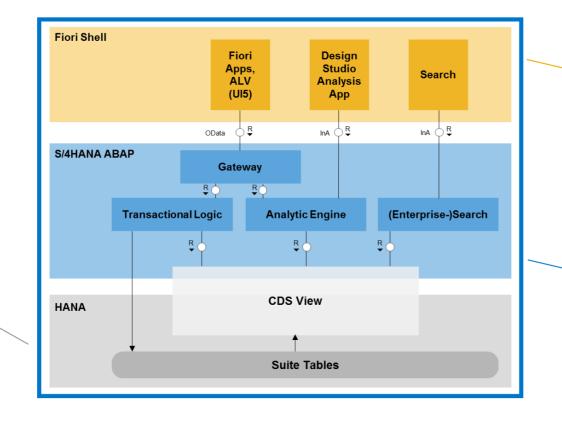


### High Level Stack Architecture – Cloud & On-Premise

# Re-architecting for in-memory platform



- OLAP & OLTP merge
- In-memory compression
- Code push down
- Increased speed for data



#### **Responsive design**

SAP Fiori as user experience paradigm across applications

- Web based, All devices
- Role based
- Decisive, Predictive, Simulate

### **Principle of One**

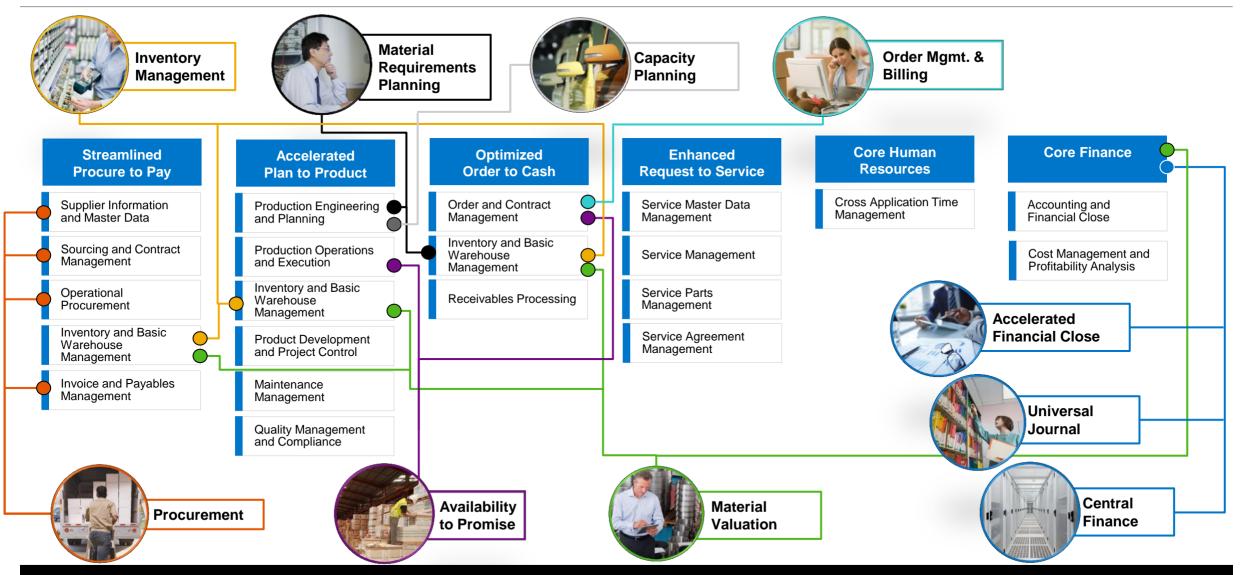
Simplification of Applications, Data model

- 1 recommended solution (Principle of 1)
- No Aggregates & No Indices
- Higher flexibility & Throughput
- Data footprint reduction

### **Core Business Objectives of Discrete Industry Companies**



Product Scope structure mapped with Key innovations



### **Real Time Inventory Management**

#### **Business Challenges**

- >>> Low throughput prevents real-time inventory
- Missing embedded and real-time analytics
- Missing comprehensive data model
- Process & data redundancies increase effort

#### **Business Benefits**

- Improve on-time delivery
- Increase inventory turnover
- Reduce cost of inventory
- Single source of truth of inventory in one system

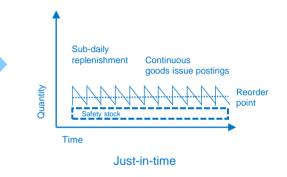
# sibility of inventory size 1, sensor data

Quantity

Time

Safetv stock

**Buffers** 



#### Capabilities

- Real-time processing of inventory postings and visibility of inventory values
- » Posting of finest granularity like handling unit, lot size 1, sensor data
- Decreased stock levels (e.g. reduce buffers) due to increased transparency
- Easy to consume data model supporting flexible analytics
- Manage the changing demand for smaller lot sizes passing through the logistic operations

### **Real Time Inventory Management**

#### **Key benefits**

- Comprehensive stock overview per material on the time scale
- Display of the most important inventory key figures

1	Inventory Turnover De	emo – 🗆 🗙
ŝ sap		Q 💮 Raimund Gross 🗸
← Selected Materials (4)		Detail
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Average Inventory Value: 1,700,319 Usd	Plant Detroit, US Average Inventory Value: 1,700,319 Usd	18 Inventory Turnover Inventory Value (Usd)
MG-5200-100 18 Inventory Turnover Average Inventory Value: 1,188,135 Usd		997500 3120600 Apr 1 Jun 30
MG-2700-100 26 Inventory Turnover Average Inventory Value: 1,572,095 Usd	INVENTORY DATA SUPPLIER DATA	
MG-1400-100 23 Inventory Turnover Average Inventory Value: 1,310,100 Usd	Stock Overview (2015)	A-05 04-06 04-07 04-08 04-09 04-10 04-11 04-12 04-
	SUPPLIER DATA	

### **Material Requirements Planning**

#### **Business Challenges**

- Increasing customer service
- >> Low inventory accuracy
- Revenue losses due to stock-outs
- On-time delivery performance
- Missing parts in production

#### **Business Benefits**

- Clear visibility across the material flow increases user acceptance and efficiency
- Proactive decision making in response to changing demand
- Flexible tailoring of available capacities and receipts to meet required quantities
- Real-time inventory monitoring and automating the creation of procurement proposals

#### Capabilities

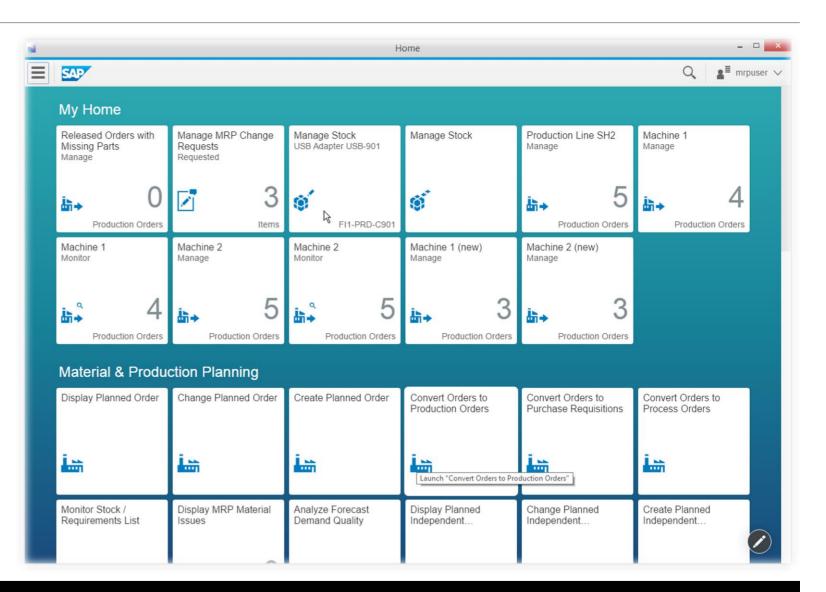
- Prioritized view on material flow issues
- » Real-time alerting based on current stock requirements situation
- System-generated solution proposals
- MRP can run as frequently as required (up to 10 times faster)
- Demand information is propagated faster through the supply chain

# **Fiori Launchpad**

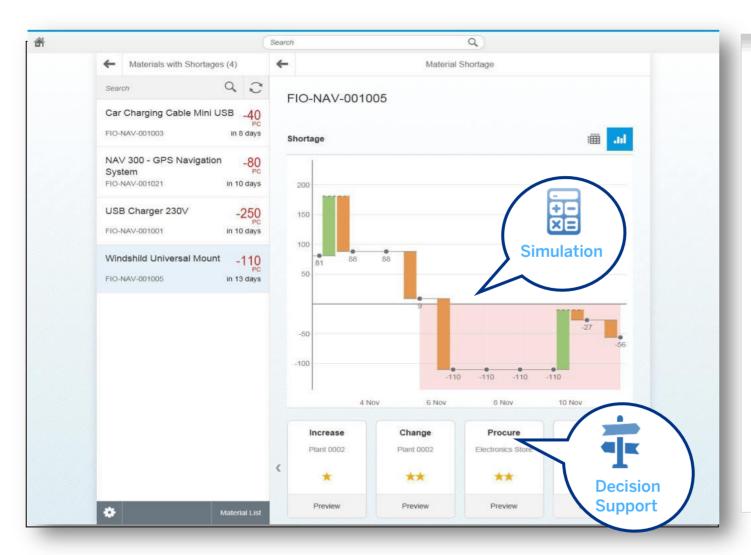
Home screen of the MRP user

### **Key benefits**

Collection of transactional and analytical FIORI apps necessary for the daily work



### On the fly simulation and decision support



- Real time data from all areas of material management including procurement lead times, inventory stock availability, lot sizes, manufacturing scheduling and sales orders across multiple sites
- Suggestion of potential solutions for the shortage through "Solution Cards" with all information needed to resolve the material shortage (e.g. Reschedule Purchase Order, Increase Purchase Order, stock transfers).
- Real Time Simulation computes the future inventory situation in detail. The optimization algorithms make use of the simulation to find the ideal replenishment strategies
- Daily work tasks focused on exceptions and on the most urgent problems with the highest financial implication

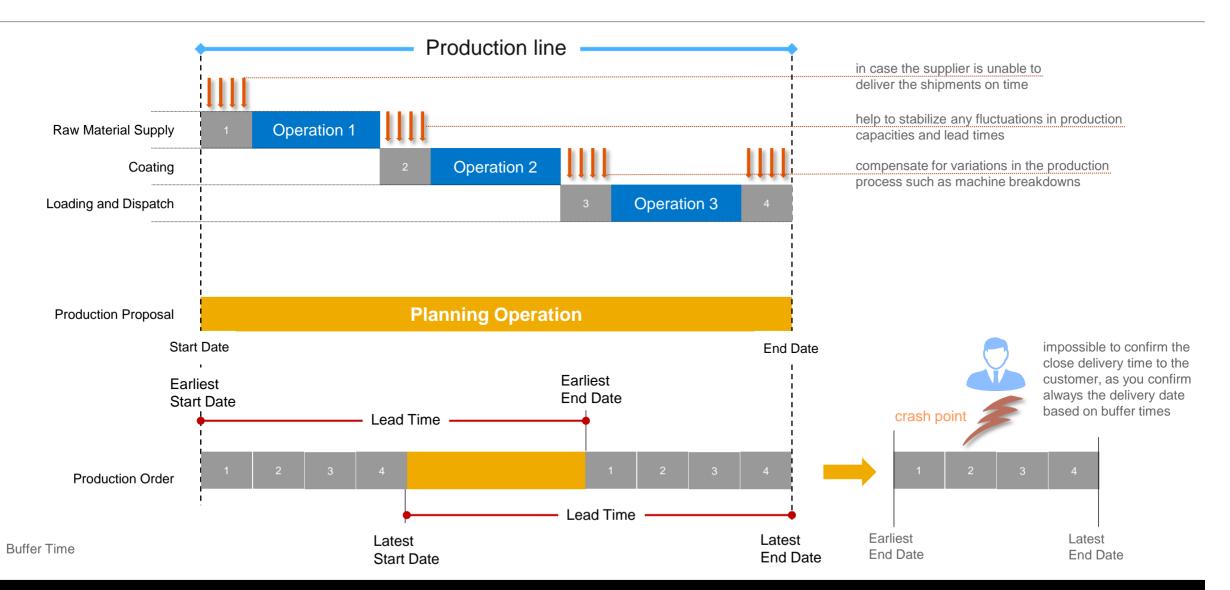
### **Decision Support & Solution Proposals**

### **Key benefits**

- Direct automatic decision support with various solution proposals how to solve the shortage situation
- Direct further navigation possible to initiate an appropriate solution measure

		shellTitle			
SAP					Q, La mrpuser ∨
<ul> <li>Internal Requirements (1)</li> </ul>	<del>~</del>		Material Sho	rtage	
earch Q C SB Adapter USB-901 1-PRD-C901 3.09.2015 processed	USB Adapter FI1-PRD-C901 (Plant				
r FI1-PRD-M120	Shortage				<b>III.</b>
	Date	MRP Element		Quantity	Available
		Stock No Safety Stock		♦ 200 EA	<b>200</b> EA
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	01.10.2015	POitem 4500008 Plant (Tools Gern		🔺 100 EA	
	02.10.2015	Poitem 4500008		▲ 300 EA	
	Accept	Change Plant P003 (Tools Germany South)	Change Plant P003 (Tools Germany South)	Procure Electronics Retail & Co.	
	Choose	Choose	Choose	Choose	

### **Buffering in Manufacturing**



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# Introduction to SAP S/4HANA, on-premise edition 1511

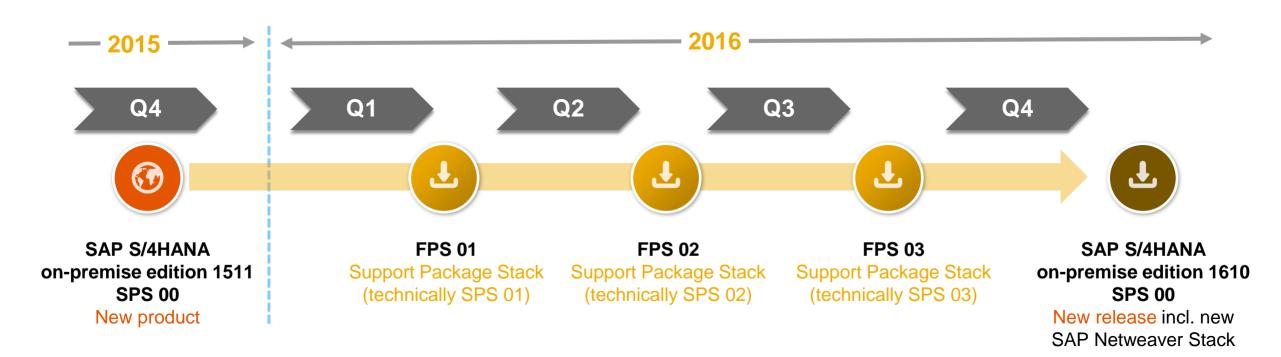
### Agenda

- 1. What is SAP S/4HANA, on-premise edition 1511?
- 2. Current Solution

### 3. Roadmap



Release Strategy for 2016 and definition of delivery



#### Support Package Stack for SAP S/4HANA on-premise edition 1511

After general availability of SAP S/4HANA on-premise edition 1511, Support Package Stacks (SPS) contain stabilizations bundled with corrections and legal changes. Customers benefit from this functionality as part of their maintenance fee. First SPS of a new release can contain selected features and are labelled Feature Package Stack (FPS) accordingly.

Support Package Stacks are compiled periodically and made available in the <u>SAP Service Marketplace</u>.

#### Important SAP Notes

2189824 - SAP S/4HANA, on-premise edition 1511: Release Information Note

2214213 - SAP S/4HANA, on-premise edition 1511: Restriction Note

# SAP S/4HANA, on-premise edition 1511 FPS 02

Delta Scope

#### Key Message

Focus: Improve quality and remove restrictions of SAP S/4HANA, on-premise edition 1511

FIORI: 43 new or updated Fiori Apps

#### Application Fiori Apps





- » Bank Risk
- » Deficit Cash Pool
- » Check Cash Flow Items
- » Cash Position Details
- » Manage Banks
- » Manage Automatic Payments
- » Revise Payment Proposals
- » Manage Checkbooks
- » Manage Outgoing Checks
- » FIN User Default Parameter Plugin
- » Order to Cash: Analyze Unrated Items



- » Create Excise Invoice
- » Display Excise Invoice
- » Manage NF-e/CT-e Contingency
- » Verify Nota Fiscal

Production Planning [**10**]



- » Monitor External Requirements
- » Monitor Material Coverage
- » Manage External Requirements
- » Manage Material Coverage
- Monitor Internal Requirements
- Monitor Production Orders or Process Orders
- » Manage Internal Requirements
- Manage Production Orders or Process Orders
- Manage Change Requests
- » MRP Cockpit Reuse Component

#### Cross Fiori Apps [9]

- » Configure the Consumption of Predictive Models
- » Core Configurator
- » Implementation Cockpit
- » Org structure
- » APF Configuration Modeler
- » Define Operational Customizing
- » Manage Data Aging Groups
- » Monitor Archiving Jobs

#### Industry - Higher Education [9]

- » Enter Grades
- » My Advisees
- » My Courses
- » My Results
- » My Timetable
- Student Degree Requirements
- » Student File
- » Track My Degree Requirements
- » My Personal Details



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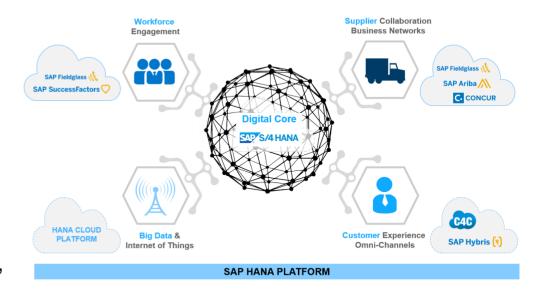
### SAP S/4HANA, on-premise 1610

**Release Motto** 

#### Mission: SAP S/4HANA is the Digital Core to support the Digital Transformation of our customers

How can we utilize the digital data for more insight and context recognition for more effective and efficient business processes

- Consolidation of Cloud scope until 1608 into on premise 1610 shipment.
- Continued DIMP, LAMA investments.
- > Analytics
  - All Interface and consumption CDS views has to be performance tests
  - Cube and dimension CDS views has to be released for customer usage
- New Industries: IS-OIL, Retail & Fashion, Healthcare.
- Dark shipment with SP00: CWM and IS-H
- New country version for Egypt
- New SET Content: Belgium, China, France, Philippines, Netherlands, Hungary, Singapore, Australia, Canada, UK + Country Fiori Apps.
- Add-Ons (~170) in consideration for 1610: <u>Add-ons 1610</u>



### **Visual Harmonization**

**Strategy**: Decision to set focus on user experience in SAP S/4HANA in 2016 Visual Harmonization will be switched on globally for SAP S/4HANA, on-premise 1610

Visual Harmonization Fiori-based visual design (theme, colors, styles, screen metrics) to ensure consistent Fiori Visual Design in affected legacy Uis along the pyramid.

Menu       Image: Component Overview       Component Overvi	Q
Material       SCRM 101 Product       Plant       0001         Status       REL PRC DLFL MANC OPGN SETC       Li	Function Header Go To Print Exit
General       Assignment       Goods Receipt       Control       Dates/Qties       Master Data       Long Text       Administration       SAP Event Mgmt         Quantities	ADMINISTRATION SAP EVENT MGMT
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Dates/Times     Total Oly:     Marvel Enterprises     EA     Scrap Portion:     0     0.00       Basic Dates     Scheduled     Confirmed     Delivered:     0     Short/Exc. Rcpt     0	
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Type       Current date       Sched. Margin Key       001       14.30       14.30       14.30         Reduction       No reduction carried out       Float Bef. Prdn       2       Workdays       29.10.2015       19.30       29.10.2015       14.30<	
Note No scheduling note Float Affler Prdn 1 Release Period 5 Workdays	

Example screen from transaction CO03 ("Display Production Order") in SAP GUI for HTML

### Fiori 2.0 SAP Fiori Design Evolution

Fiori 2.0 is mandatory for SAP S/4HANA on-premise 1610 onwards – with common user experience

Application Adoption: Merged header with hierarchical navigation. Configuration of Notifications: which Workflows to show? CoPilot: QuickCreate/QuickView, Navigation, Notes & Collaboration

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### & CoPilot

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### **Extended Warehouse Management**

Plans to bring the full scope of the SAP Extended Warehouse Management (SAP EWM) application into SAP S/4HANA software, which will provide customers with flexible deployment options to run all kinds of warehouses within a single SAP solution

- Access business partner data within SAP S/4HANA instead of replicating business partners to a decentralized EWM system
- Use material and product data within SAP S/4HANA instead of replicating it to a decentralized EWM system
- Manage batch master data within SAP S/4HANA instead of replicating it to a decentralized EWM system
- Directly read purchase order data, process order data, and production order data instead of replicating those objects to a decentralized EWM system and storing them in an expected goods receipt (EGR) document
- Skip warehouse request objects and process only outbound delivery orders without using outbound-delivery requests; process only inbound deliveries without having inbound-delivery notifications; process only posting changes without using posting-change requests
- Maintain only one quality document instead of working with a quality inspection document and a QM inspection lot
- Eliminate the need to replicate accounting objects
- Directly read material values instead of making periodic replications for decentralized storage



# SAP S/4HANA, on-premise 1610

*EWM* – Scope Description

Status: May 2016

Provide EWM in SAP S/4HANA to provide state of the art warehousing capabilities in SAP S/4HANA with simplified integration to SAP S/4HANA processes

#### **SAP S/4HANA**

Inventory and basic warehouse management

Recent innovations <sup>1</sup>	Planned innovations	Future direction
Inventory Management	Inventory Management	Inventory Management
<ul> <li>Process Innovations</li> <li>Real-time inventory management through redesigned data model in SAP S/4HANA</li> <li>Simplified material valuation to enable parallel inventory posting for standard price-driven materials</li> </ul>	<ul> <li>Process Innovations</li> <li>Performance optimization for goods movements</li> <li>User Experience</li> <li>Analytical SAP Fiori apps for inventory managers and</li> </ul>	<ul> <li>Process Innovations</li> <li>Catch-weight management integration into the core</li> <li>Simplified material valuation to enable parallel inventory posting for moving average price-driven materials</li> </ul>
User Experience <ul> <li>SAP Fiori apps for inventory managers</li> <li>SAP Fiori apps for warehouse clerks</li> </ul>	<ul> <li>inventory analysts</li> <li>New SAP Fiori apps for inventory managers and warehouse clerks for physical inventory</li> <li>Further SAP Fiori UX improvements for material documents</li> </ul>	<ul> <li>User Experience</li> <li>New SAP Fiori apps for inventory managers, warehouse clerks, and inventory analysts</li> <li>Further SAP Fiori UX improvements with an overview page for user roles in inventory management</li> </ul>

<sup>1</sup> Highlights for SAP S/4HANA 1511 FPS02: check Feature Scope Description for full scope

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SAP FIORI

2 Apps for Persona Lean Warehouse Clerk: Inbound via delivery (F1706), Outbound for delivery (F1704)

#### SAP FIORI Launchpad Content for Non-FIORI:

Make main PFCG roles of classic EWM available in FLP in EWM in SAP S/4HANA

#### **Business roles**

New PCFG Roles for EWM in SAP S/4HANA (EWM is new in S/4HANA, on-premise 1610), but no new business role as WM was already existing in SAP S/4HANA

#### **SET/Baseline content**

N/A , no SET content for EWM in SAP S/4HANA, on-premise 1610 planned (only for future release)

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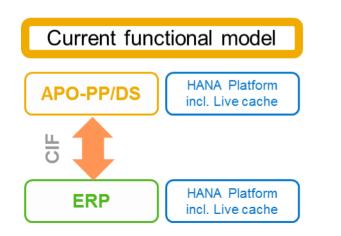
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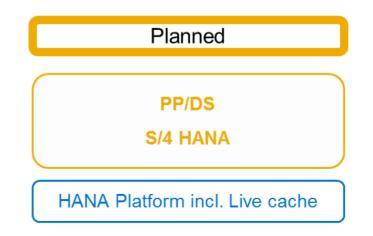
### **Embedded Finite Production Scheduling**

Capability Change

Status: May 2016

#### UI Harmonization, CIF Simplification, Master Data Harmonization, Analytics





#### Unique Value of S/4HANA

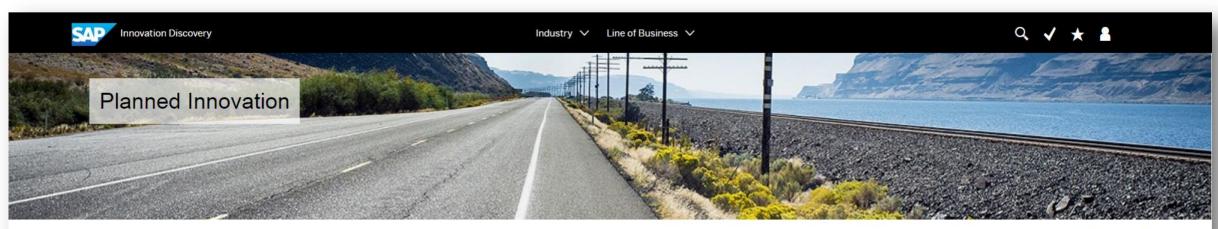
TCO reduction:

- PPDS functionality gets co-deployed with ERP on the same system utilizing one HANA database instance
- Integration for material master and work center resource not needed

Constraint based planning, using various heuristics and optimizers by bringing PP/DS on ERP, reducing integration efforts and allowing seamless master data & UI harmonization

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\*Planned Innovation for 1610 release



# Manufacturing planning: Simplified production planning (PP) and detailed scheduling (DS) in SAP S/4HANA

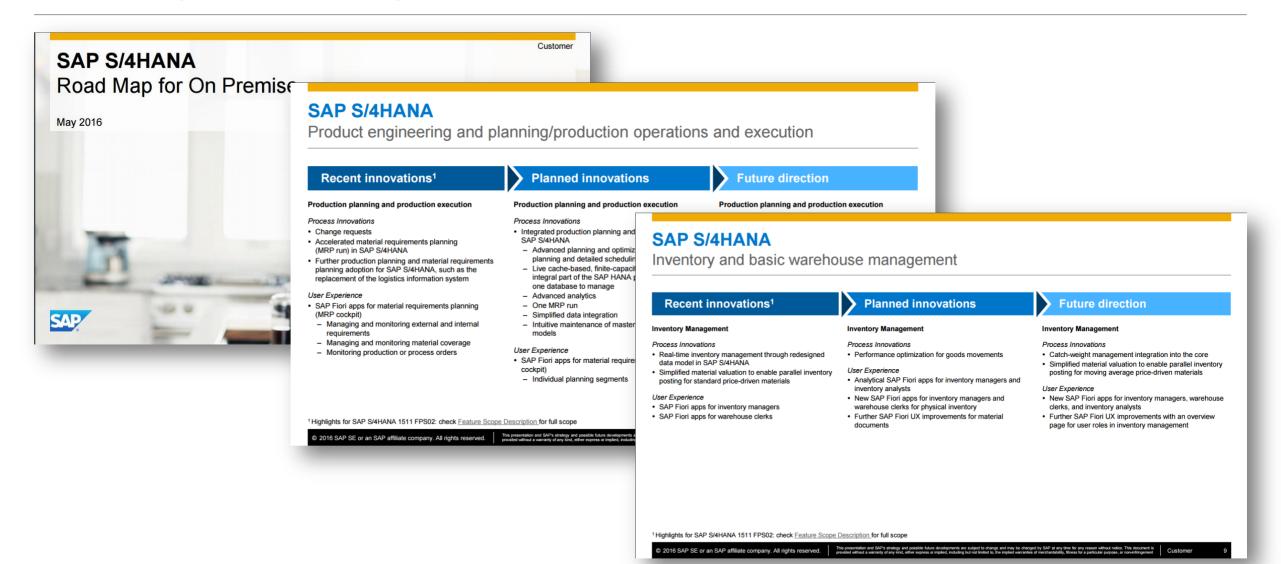
- Access production planning and detailed scheduling as part of the manufacturing planning functionalities in SAP S/4HANA
- Create procurement proposals for in-house production or external procurement to cover product requirements
- · Optimize and plan the resource schedule and the order dates and times in detail by taking the resource and component availability into account
- Plan critical products, such as products with long replenishment lead times or products that are produced with bottleneck resources
- Create executable production plans

#### **Explore Digital Scenarios**

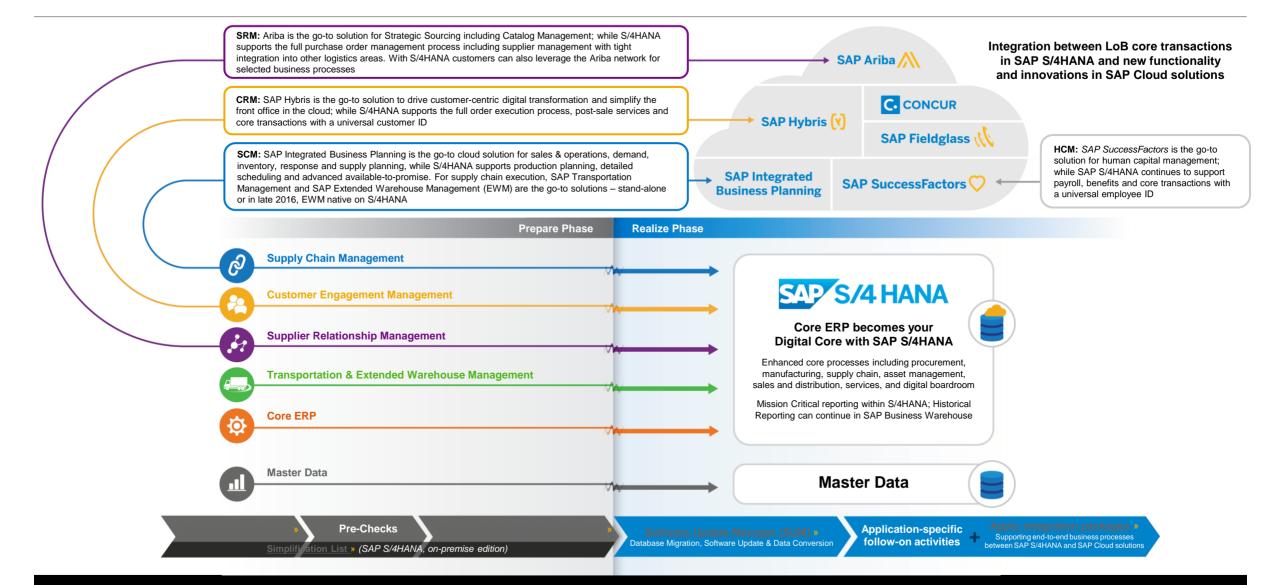
Chemicals: Digitized Order to Delivery

### **SAP S/4HANA Roadmap**

service.sap.com/Roadmap



### **Current State Landscape and Evolution** What's In, What's Out?



# SAP S/4 HANA Roadmap and Future Scope

For more detailed information including roadmap and future scope:



Cloud specific SAP S/4HANA Roadmap (customer log-in required to access) sap.com/s4roadmap-cloud



On-premise specific SAP S/4HANA Roadmap (customer log-in required to access) sap.com/s4roadmap-onprem



Industry specific roadmaps (customer log-in required to access) sap.com/industry-roadmaps



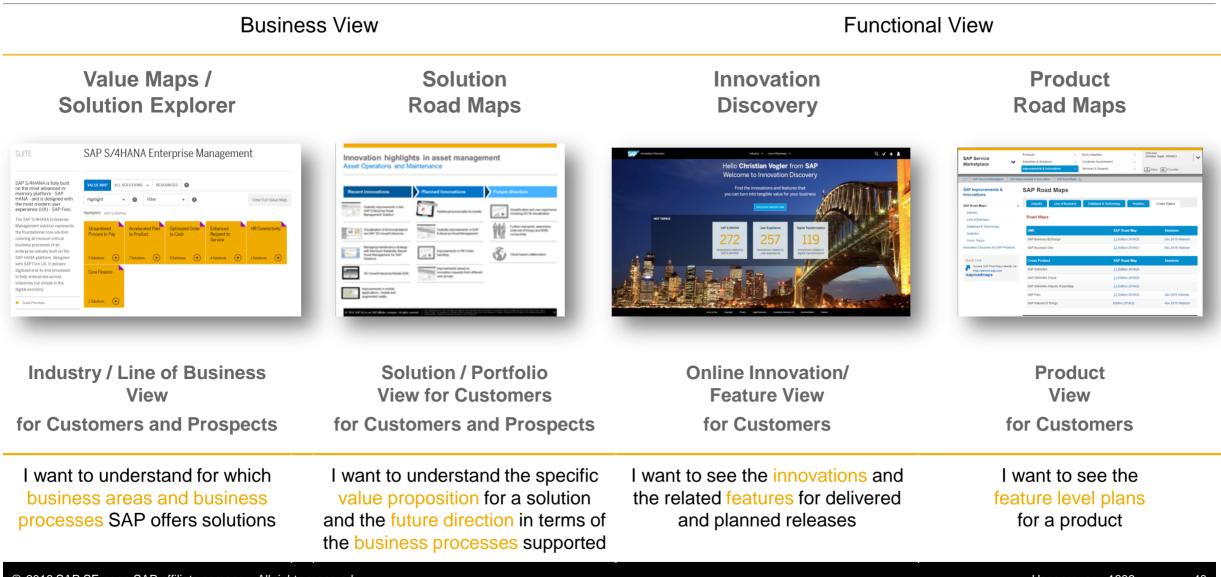
Innovation Discovery (Innovations and features that you can turn into tangible value for your business) sap.com/S4-discovery



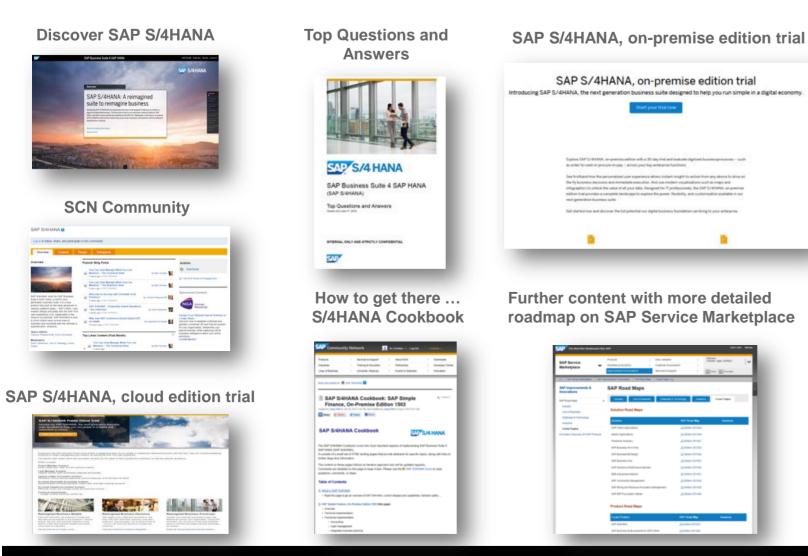
Additional information on SAP S/4HANA integrations <u>sap.com/S4-integration</u>

### **Road Maps for Influencing and Adoption**

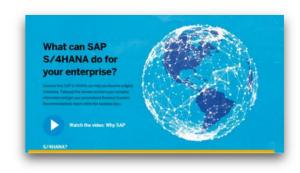
How customers get info on SAP Products and Solutions



# Where to go for information?



#### Business Scenario Recommendations



#### **Innovation Discovery**



#### **Solution Explorer**



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# Thank you!



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