Implement S/4HANA on-premise with SAP Best Practices
Using SAP Activate and SAP Solution Manager 7.2

Solution Packaging – Innovation Adoption and Routes-to-Market
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Presentation Structure

Introduction

Please review the SAP Activate Overview (link) before this presentation. This introduction covers:

- SAP Best Practices
- SAP Solution Manager 7.2

SAP Activate Phases

How SAP Activate and SAP Solution Manager 7.2 support an accelerated implementation of S/4HANA on-premise:

- Discover: Experience SAP Best Practice Content and Test Drive SAP Best Practice Processes
- Prepare: Set up infrastructure and activate SAP Best Practices
- Explore: Undertake workshops using SAP Best Practices
- Realize: Delta configuration tracking all work in SAP Solution Manager 7.2
Presentation Content

Questions answered by this presentation:

- What SAP Best Practice content is available for S/4HANA and how do I get it?
- How can I use SAP Solution Manager 7.2 in my on-premise S/4HANA implementation?
- How is the implementation different to a Business Suite implementation?
- What are the differences between on-premise and cloud implementations?
- Where can I see SAP’s recommended methodology for implementing S/4HANA?

Not covered in this presentation:

- Implementation of S/4HANA Cloud (link)
- In depth use of SAP Solution Manager 7.2 with SAP Best Practices. Instead, see http://bit.ly/S4BPRefguide
- SAP Solution Manager 7.2 operations
Introduction
SAP Activate, SAP Best Practices and SAP Solution Manager 7.2

- On-premise solution is configured using the IMG
- Version 7.2 brings new implementation features for SAP S/4HANA
- Roadmap Viewer: access methodology content online
- Best Practice Explorer: access content online
- SAP Solution Builder: semi-automate configuration in your solution

**Software solution**

**On-premise lifecycle management tool for implementation and operations**

**Methodology: replacement of ASAP with roadmap for SAP S/4HANA**

**Predefined business processes, configuration content and project documents and accelerators**
SAP Activate On Premise Deployment Tools

- **Discover**
  - Experience Trial
  - Fit 2 Standard Analysis
- **Explore**
  - Scope and configure
  - Evaluate available Best Practices
- **Realize**
  - Migrate, integrate, extend, test
  - Capture your requirements and adapt process diagrams
- **Deploy**
  - Onboard and deploy
- **Run**
  - Operate, monitor, support

- SAP Roadmap Viewer
  - Leverage end-to-end deployment roadmap
- S/4HANA Trial System
  - Discover Sample Processes
- SAP Best Practice Explorer
  - Evaluate available Best Practices
- SAP Solution Manager
- SAP Solution Builder

Kick start your implementation with preconfigured content
Manage changes in your implementation project

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- Focus is on on-premise new implementations
- How to use SAP Best Practices and SAP Solution Manager 7.2 together
- Technical guidance for administrators and team members
- Designed to complement the SAP Activate S/4HANA roadmap
- Organized into SAP Activate phases
- Provides a recommended sequence of tasks

SAP Best Practices: Content in 3 Layers

SCOPE ITEMS
Typically a pre-defined business process, such as sales order processing. They represent a Best Practice implementation choice for a customer. Each scope item has a set of accelerators delivering detailed documentation that is used during the implementation project. Scope items require specific building blocks to be implemented.

BUILDING BLOCKS
A set of configuration for a piece of business content such as credit management. The accelerators include the configuration content to implement the scope item(s) and project documentation for the building block.

PACKAGE
A selection of scope items that cover the scope of the next-generation S/4HANA Business Suite or other leading industry or Line of Business segments. Packages are available on cloud or on-premise and can be implemented fully or partially. Currently the following packages are available: SAP S/4HANA, SAP S/4HANA Cloud, SAP S/4HANA Marketing Cloud and SAP S/4HANA Professional Services Cloud.
SAP Best Practices Content offers Project Accelerators

**Example Accelerators**

- Customer presentation: overview presentation
- Content Library: web page with links to all the content
- Prerequisite matrix: relationship between Scope Items and Building Blocks
- Delivery supplement: key implementation information
- Admin Guide for SAP S/4HANA & SAP Note*: detailed instructions
- Software and delivery requirements*: precise software releases required
- Master Data Overview: describes master data used

**Package**

- Scope-item fact sheets: scope description of each scope item
- Process diagrams: graphical BPML process diagram with roles
- Test scripts: step by step process documentation with data

**Scope Items**

**Building Blocks**

- Building-block fact sheets: description of each building block
- Activation content: content to automate the configuration
- Configuration guides: detailed documentation of configuration settings

* on-premise only
Introducing SAP Solution Manager 7.2
Manage Solution Lifecycle with Implementation and Operations capabilities

Implementation

- Business requirements
- IT Requirements
- Project Management

IT portfolio & project management
Build SAP like a factory

Process Management

- Build Management
- Test Management
- Release management

Build execution
Test execution
Deployment execution

Operations

- Incident
- Problem
- Request for change
- Enhancement
- Service request

IT service management
Run SAP like a factory

Business process monitoring and analytics
Monitoring of systems, technical scenarios and end user experience
SAP Solution Manager 7.2 and SAP S/4HANA Implementations

Business Requirement and IT Requirements*
- Central storage for requirements along the S/4HANA Implementation lifecycle
- Manage requirements and agile development with unprecedented transparency

Project Management*
- Utilize SAP Activate project plan to manage the implementation

Process Management
- Leverage pre-configured SAP Best Practices for S/4HANA
- Intuitive process visualization

Change and Release Management*
- Provide better change deployment control and risk mitigation

Test Management*
- Test and deploy your S/4HANA solution easily

* Optional use
What’s new in SAP Solution Manager 7.2?

Solution Documentation…

New Solution Documentation including process modelling capabilities
- Integrated BPMN-compatible process editor
- Process structure with multi-level hierarchies
- Configuration content aligned with SAP Best Practices Solution Builder content

SAP Best Practices as state-of-the-art implementation reference content
- SAP Best Practices packages fully replace the former Business Process Repository (BPR) content
- SAP Best Practices loaded into on-premise SAP Solution Manager 7.2 from the web

SAP Roadmap available for project planning
- Usable and editable in SAP Solution Manager 7.2 Project

New and flexible lifecycle concept for solutions
- Different data models have been consolidated to a unified solution directory
- Branch concept provides versioning for solution lifecycle

More information: https://www.youtube.com/watch?v=JU_DD0L5HRs
How SAP Solution Manager 7.2 and SAP S/4HANA work together

SAP Solution Manager 7.2 (Managing System)

- Solution
  - Scenario
    - Process
      - Process Step
        - Configuration Building Block
          - IMG Object / Transaction
  - Project
    - Task
      - Change Document
        - IT Requirement
        - Business Requirement
  - Phase Cycle
  - Change / Requirement Management

SAP S/4HANA (Managed System)

- Transport Request
  - Single assignment
  - Has many assigned
  - Features you can choose not to use

Features you can choose not to use

Other changes e.g. development
Content provided with SAP Best Practices

SAP Solution Manager 7.2 (Managing System)

- Solution
- Scenario
- Process
  - Process Step
  - Configuration Building Block
  - IMG Object / Transaction

A complete set of SAP Best Practice documentation including process diagrams, test scripts and configuration guides is imported into Process Management.

SAP S/4HANA (Managed System)

- An S/4HANA specific project can be downloaded from the SAP Roadmap Viewer as an XML file and uploaded into SAP Solution Manager 7.2.
- All the configuration for SAP Best Practices processes can be activated in S/4HANA using SAP Solution Builder. Or deploy the SAP S/4HANA appliance.
  - Configuration in IMG Object
  - Other changes e.g. development
How New Requirements and Gaps are managed

SAP Solution Manager 7.2 (Managing System)

1. Requirements / gaps from workshops captured as business requirements. IT requirement defines solution.

2. Processes and configuration guides changed. Specifications produced. All captured in change documents.

3. Actual configuration and implementation done and captured in transport request linked to change document.

4. When change document is released, transport requests and documentation are moved into production system and branch.

SAP S/4HANA (Managed System)

- Configuration in IMG Object
- Other changes e.g. development
- Transport Request

Process
- Process Step
- Configuration Building Block
- IMG Object / Transaction

Solution
- Scenario

Project
- Phase Cycle
- IT Requirement
- Business Requirement

Task
- Change Document

Business Requirement

Scenario

SAP S/4HANA (Managed System)

- Request for Change

When change document is released, transport requests and documentation are moved into production system and branch.

Actual configuration and implementation done and captured in transport request linked to change document.

- Configuration in IMG Object
- Other changes e.g. development

Requirements / gaps from workshops captured as business requirements. IT requirement defines solution.
SAP Activate Phases
Discover Phase

- Test drive SAP trial systems
  - SAP S/4HANA trial
  - SAP Solution Manager 7.2 trial

- Discover SAP Best Practices Content and Methodology Roadmap
Test Drive SAP Trial Systems
Discover Processes and Functions prior to Implementation

SAP S/4HANA Best Practices Trial Systems

- SAP S/4HANA (on-premise) in hosted environment (30 days)
- SAP S/4HANA Cloud (14 days)

SAP Solution Manager 7.2 Trial

- Solution Manager in hosted environment (90 days)

Access trials:
http://www.sap.com/s4hana-trial

New 30-day trial for SAP S/4HANA, on premise edition 1511 FPS 01 available

Access trial:
http://cal.sap.com
Test Drive SAP Solution Manager 7.2

SAP Solution Manager 7.2 trial

- Available in hosted environment: SAP Cloud Appliance Library (CAL) as a demo system
- 7.2 appliance which customers can use for evaluation
- Load and activate your own customer projects to support evaluation
- Costs: No CAL charges but requires Amazon Web Services (AWS) account
- Trial duration: 90 days, longer options are available at cost

More information

- Blog: SAP Solution 7.2 is available TODAY in SAP CAL including detailed hands-on information on how to use SAP CAL
- Direct SAP CAL access: http://cal.sap.com

"Try before you buy" - your start in SAP Cloud Appliance Library

How to get started in minutes with these five simple steps:

1. Accept the terms and conditions of your preferred trial solution
2. Register your public cloud credentials securely with us
3. Transfer the solution to your cloud account with just one click
4. Create your own instance of the trial solution
5. Connect to the system and explore the SAP solution
Discover SAP Best Practices Content and Methodology

Web

During Discover Phase, browse, view and download SAP Best Practices content. View methodology roadmap online.

SAP S/4HANA

During Prepare Phase, SAP Best Practices for SAP S/4HANA can be activated in the S/4HANA system using SAP Solution Builder.

SAP Solution Manager 7.2

During Prepare Phase, projects can view and edit the SAP Best Practices content and methodology roadmap in SAP Solution Manager 7.2.

SAP Solution Manager 7.2

SAP Best Practice Explorer

Discover SAP Best Practices process content

SAP Roadmap Viewer

Discover methodology in the form of an S/4HANA roadmap

SAP Solution Builder

Activated SAP Best Practices in the system

* Also available in SAP Solution Manager 7.1
SAP Best Practice Explorer

- Simple and easy navigation
- Powerful search
- Quick access to accelerators based on authorization
- Access via mobile and tablet
- Download of all assets as zip via Software Download Center with icon at bottom of screen
- Replaces old Service Marketplace page for SAP Best Practices

https://rapid.sap.com/bp

See demo
SAP Activate Methodology: Roadmap for SAP S/4HANA

- Roadmap available for S/4HANA implementation
- Structured along SAP Activate Methodology phases with 3 level structure of phases, deliverables and tasks
- Roadmap includes links to implementation accelerators (S/4HANA specific and generic)
- Roadmap Viewer: view in a SAP Fiori-based application. Online access https://go.support.sap.com/roadmapviewer/
- Project can be downloaded including an XML file. Import XML file into SAP Solution Manager 7.2

Roadmap Viewer

SAP Solution Manager 7.2 Project
Prepare Phase

- Landscape
- High level scoping
- Activate SAP Best Practices
- Set up customer SAP Solution Manager 7.2
Landscape: use in each Project Phase

**Prepare Phase**
Sandbox used to select SAP Best Practice processes during high level scoping

**Explore Phase**
Sandbox used to drive Scope Validation workshops

**Realize Phase**
SAP Best Practices form a foundation in the development landscape. Project specific scope is added.

**Quality Assurance**
Solution transported to quality assurance for testing.

**Production**
Solution transported to production for live users.

* The sandbox is usually a separate landscape/system of its own but can be a client within the development landscape.
Landscape: Set up Sandbox and Development in Prepare Phase

**Sandbox**

- SAP Best Practices processes

Extra Scope

**Development**

- Project Specific Scope
- Selected SAP Best Practices processes
- SAP Best Practices processes not required

**Scope**

- Usually include all the SAP Best Practice processes that form a reference company
- Some extra scope may be added to drive Explore workshops.

**Set Up Options**

1. **Install and activate**: install S/4HANA software and then activate the SAP Best Practices using the Solution Builder tool that is shipped with S/4HANA.

2. **Software Appliance**: used to accelerate the installation and activation of sandbox and development. A pre-activated solution is deployed. See detail presentation (link).
High Level Scoping: during Discover or Prepare Phase

**High Level Scoping**
Done to decide which SAP Best Practices to use. Walk through the standard processes using sandbox or trial system and the process documentation/diagrams.

**Scope Validation Workshops**
Detailed fit gap analysis done during Explore phase using SAP Solution Manager 7.2 and sandbox system.
Activate SAP Best Practices
SAP Solution Builder: a tool to activate SAP Best Practices

SAP Solution Builder

- Solution Builder is a tool to automate activation of the selected SAP Best Practices
- Solution Builder is shipped with S/4HANA
- Activation is required if fully activated Software Appliance is not used
- Transport system is turned on to capture all the configuration during activation in the development system

Import reference Content

- Solution scope file (scope items and building blocks)
- Installation data file (configuration settings and master data)

Select Scope

- Select scope items (business processes) to be activated
- Scope items are mapped to building blocks

Activate

- Solution Builder allows you to activate building blocks in the correct sequence
- Manual steps and exception handling

See demo

For more detail see reference guide at: http://bit.ly/S4BPRefguide
Set up Customer SAP Solution Manager 7.2
Overview

The following slides describe how SAP Solution Manager 7.2 is set up in the Prepare phase

Install and Create Solution

- Install SAP Solution Manager 7.2 on-premise. This is used to administer implementation
- Create solution in SAP Solution Manager 7.2

Assign Logical Component Groups

- Create branches: import and development
- Import branch is created as a sub-branch of development
- Create and assign relevant Logical component groups to solution and branches.

Load SAP Best Practice content

- Download the SAP Best Practice package into SAP Solution Manager 7.2 in the import branch.

Create Project and Change Cycle

- Initial SAP Activate project can be downloaded
- Create the relevant change cycle and assign to the project.
- Enable change control for development branch.

For more detail see reference guide at: http://bit.ly/S4BPRefguide
Set up Customer SAP Solution Manager 7.2
Step 1: Create Solution

Create the Solution which is the sum of a company’s systems, applications and processes. It acts as a container for versions of a solution, one of which is the production version.

Logical components and systems
- A logical component group contains all the systems for one software product e.g., SAP S/4HANA
- Logical components point to actual systems e.g., SAP S/4HANA development system

Versions and Branches
- Branches reflect life-cycle versions of a solution, such as production or development.

Process and Libraries
- A process executes functions in systems to achieve a business goal, e.g. Order to Cash process
- Library comprises of re-usable elements spanning across process steps, executables, configuration units, interfaces.

See demo
A **branch** represents a **version** of the solution containing processes, libraries, and systems.

The **production branch** represents the productive version of the entire solution and solution documentation.

The **maintenance branch** represents the editable version of the productive solution. It provides a safe environment for performing changes to support a live solution.

The **development branch** contains the agreed project scope for a future solution.

The **import branch** might be used to store the SAP Best Practices for reference.

Per default, there is always a production and a maintenance branch but customers can define as many additional branches as required.
Set up Customer SAP Solution Manager 7.2
Step 3: Assign Logical Component Groups

Customer system tracks: the development, QA and production instances

Logical components in SAP Solution Manager 7.2 represent the landscape

Branches that represent documentation versions are associated with Logical Components

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Set up Customer SAP Solution Manager 7.2
Step 4: Import SAP Best Practice Content in Solution Documentation

1. Select import to open popup with SAP Best Practice packages not loaded yet

2. Select appropriate package

3. Import SAP Best Practice package into import branch

Open Solution Administration in SAP Solution Manager 7.2 from the SAP Fiori Launchpad.

Opens process content

See demo
Set up Customer SAP Solution Manager 7.2
Step 5: Create Project and Change Cycle

**Project** is downloaded as XML file from Roadmap Viewer and imported into SAP Solution Manager 7.2. Project is modified as required.

Change cycle is created to manage the changes from import to production.

The solution and branch are linked to the change cycle on the project.

See demo

Explore Phase

- Scope Validation Workshops
- Document Results in SAP Solution Manager 7.2
Scope Validation Workshops

**SAP Best Practice Inputs**
- Process diagrams
- Test Scripts
- Delivered Roles
- Standard Reports
- Master Data Overview
- Organization Data Overview

**Outputs**
- Changes to processes documented
- Business impacts and assumptions
- Backlog (delta requirements and gaps) to drive Realize phase
  - Additional configuration
  - Authorizations
  - Workflows, Reports, Interfaces, Conversions, Enhancements, Forms (WRICEF)

All inputs and outputs can be stored in Solution Documentation within SAP Solution Manager 7.2.

Process diagrams are updated and requirements are documented.
Document Results in SAP Solution Manager 7.2
Definition of Business Process Structure

Scope Validation Workshops
Validate processes and identify gaps between customer business requirements and SAP Best Practices
Release the selected SAP Best Practices from the import branch to the development branch
Create business requirements and corresponding IT Requirements and Change Documents.

Create the missing process structure scenarios, process and process steps in the process library

Create or adjust the process diagram showing new/updated process.
System level changes like new developments, IMG configurations are done in Realize phase

Save changes in change documents

For more detail see reference guide at: http://bit.ly/S4BPRefguide
The agreed project scope for a new solution can be stored as business requirements that are converted into IT requirements.*

Changes required to support a live solution are usually stored as a Request for Change.

Changes are assigned to Change Documents which may be assigned to a particular project task.

* Focused Build for SAP Solution Manager 7.2 is planned to be available in 2016. This is suited to projects where new software solutions are to be built.
Realize Phase

- Delta Configuration via IMG (Implementation Guide)
- Deploying Changes
Delta Configuration via IMG (Implementation Guide)

- Delta configuration undertaken in development system creating transports automatically
- Transports can be automatically connected to SAP Solution Manager 7.2 change documents
- Configuration without programming skills and code modifications (just like SAP ERP)

Example: Configuration elements (IMG objects) used for delta configuration are available in Solution Manager
Deploying Changes
Synchronization between SAP Solution Manager 7.2 and S/4HANA changes

Benefit is that changes to S/4HANA system and Solution Documentation are synchronized in one process.

**Request Transactions** (Requirements Management)
- Business Requirement
- IT Requirement
- Request for Change

**Change Documents**
(Change Request Management with workflow approvals)

**Solution Documentation**
- Implement changes in the solution documentation

**SAP S/4HANA System**
- Transport
  - DEV
  - QAS
  - PRD
- Implement changes in the system and transport across the landscape
Find out more….

Detailed reference guide

SAP Best Practices
https://rapid.sap.com/bp

Solution Packaging on SAP Community Network
http://scn.sap.com/community/community/rapid-deployment

SAP Solution Manager
http://support.sap.com/solutionmanager
Appendix
## Comparison of On-Premise and Cloud Projects

<table>
<thead>
<tr>
<th>Topic</th>
<th>On-Premise</th>
<th>Hybrid (On-Premise and Cloud)</th>
<th>Pure Cloud</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAP Solution Manager 7.2</td>
<td>Recommended to manage the whole solution lifecycle</td>
<td>Recommended (but limited technical access to cloud e.g. no transports)</td>
<td>Available but not normally used</td>
</tr>
<tr>
<td>Use SAP Best Practice written accelerators</td>
<td>Download using links in Service Marketplace or Roadmap Viewer Use content in Solution Manager</td>
<td>Download using links in Service Marketplace or Roadmap Viewer</td>
<td>Download using links in Service Marketplace or Roadmap Viewer</td>
</tr>
<tr>
<td>SAP Activate Roadmap</td>
<td>View online in Roadmap Viewer or use project in Solution Manager</td>
<td>Use Roadmap Viewer to view or download an Excel. Also use JAM page.</td>
<td></td>
</tr>
<tr>
<td>Explore Workshops</td>
<td>Workshops driven based on standard SAP Best Practices</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Activate SAP Best Practice Content</td>
<td>Activate using Solution Builder or use software appliance</td>
<td></td>
<td>Cloud package is pre-activated in cloud landscape</td>
</tr>
<tr>
<td>High Level Scoping</td>
<td>Select SAP Best Practices to activate during prepare phase</td>
<td></td>
<td>SAP Best Practices chosen as part of subscription</td>
</tr>
<tr>
<td>Capability for change</td>
<td>No limitations, incorporate custom code and add additional scope</td>
<td>On-premise or cloud approach applies depending on where the system resides</td>
<td>Limited change: no complex scope or custom code changes</td>
</tr>
<tr>
<td>Delta Configuration</td>
<td>Use Implementation Guide (IMG)</td>
<td></td>
<td>Guided Configuration and Expert Configuration</td>
</tr>
<tr>
<td>Infrastructure</td>
<td>3 or 4 tier customer owned landscape</td>
<td></td>
<td>2 tier landscape provided by SAP</td>
</tr>
<tr>
<td>Content lifecycle management</td>
<td>Currently not used</td>
<td></td>
<td>Used to provide new content</td>
</tr>
</tbody>
</table>
The use of SAP Learning Rooms requires an SAP Learning Hub user from the Training and Certification Shop. Limited content access applies for the SAP Learning Hub - Discovery Edition to explore selected learning rooms free of charge. The curriculum is subject to change. The latest curriculum is available here.
SAP Roadmap Viewer

https://go.support.sap.com/roadmapviewer/
Example

Procurement Contract
Release Management

Continual Deployment

Developments and imports may happen either individually or bundled. They can be done on demand, daily or weekly. However: no phases and no gates.

Phase Driven Deployment*

All changes and transports of a cycle are imported together (Import All)

Mostly relevant for project or wave based transport and change management

Release Management*

Based on release planning according to ITIL definition

Defined relationships and dependencies between each release

Import job for the entire release content

* Relevant for S/4HANA implementation
Discover and Download SAP Best Practices Content
Now replaced by SAP Best Practice Explorer

**SAP Service Marketplace**

- **Public User**
  - Public Access
  - Download documentation to Zip file

**Discover Processes**
- Fact sheets
- Software Requirements, Processes, Test scripts (not editable)
- Access to communities and customer testimonials
- Only one country version per package. Remaining country versions can be downloaded from SWDC
- English only


**Software Download Center (SWDC)**

- **Project User**
  - S-User required

**Discover Processes & Configuration**
- Zip file with content library with links to all accelerators (Software requirements, process diagrams, test scripts (editable), Configuration Guides (editable), Prerequisite Matrix and other solution-specific accelerators)
- Select and download a package for one country version
- Translation: Selected key documents will be translated for some countries

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