Transition to SAP Solution Manager 7.2
All You Need to Know

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Start

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Transition to SAP Solution Manager 7.2
All You need to know

Purpose of this document
This document guides you through the knowledge you need on your way to SAP Solution Manager 7.2

Upgrade vs. New Implementation

Scenario-Specific Upgrade Information

Upgrade Strategy

Further Upgrade Information
Transition to SAP Solution Manager 7.2
Upgrade vs. New Installation?

Would it be okay for you to lose all data available in your current SAP Solution Manager?

Yes  No
Transition to SAP Solution Manager 7.2
Upgrade vs. New Installation?

Is it okay for you to repeat all necessary customizing activities on SAP Solution Manager once again in a newly installed system instead of upgrading the existing system?

Yes

No
Transition to SAP Solution Manager 7.2
Upgrade vs. New Installation?

Is it okay for you to lose any customer-specific coding of your SAP Solution Manager 7.1?

Yes

No
Recommendation:
Upgrade to SAP Solution Manager 7.2

For upgrading your existing SAP Solution Manager 7.1 to release 7.2, please refer to the following information:

- SAP Solution Manager 7.2 Master Guide
- SAP Solution Manager 7.2 Upgrade Guide
- Update of SAP Systems Using Software Update Manager
- Meet-the-Expert SAP Solution Manager 7.2: Browse recorded sessions in SAP Enterprise Support Academy

Technical Upgrade Duration

- Preparation
  - Uptime (7.1)
  - ~ 2 weeks

- Import + Stack Split
  - ~12 hours

- Mandatory Setup
  - Business Downtime
  - ~ 3 hours
  - Content Activation
  - ~ 6 hours

- Additional Scenario Configuration
  - Uptime (7.2)
  - + 2 hours to 2 days

Times should be considered as minimum values.

Continue
Transition to SAP Solution Manager 7.2
Upgrade vs. New Installation?

Do you plan to migrate to SAP HANA database while executing the upgrade?

Yes

No
Verify Housekeeping within SAP Solution Manager Recommendations for Reduction of Database

Reduced data volume accelerates the upgrade time and reduces hardware cost

Typical areas for data reduction:

- Knowledge Warehouse documents in projects
- Remove outdated service and other reports
- Remove unused solutions and projects
- Archiving of Reporting Documents / Service Reports
- Delete old Service Reports (EWA, SLR, etc.) in solutions
- Archiving Solution Manager Incidents
- Archive of IBase components and related IObjects for deleted systems in LMDB
- Remove unused test plans and packages
- Remove obsolete business partners
- Application log reduction
- Application Operations data reduction

Last information on data reduction opportunities:
SAP Note 2257558
Upgrade and Migration: Quick and simple HANA DB sizing

For the migration of an existing database system start sizing from current data volume

~ HANA DB disk
<current DB net size> / 4 (compression)
+ 20% safety buffer for merges (joins)
+ 25 GB (to be on the safe side)

~ HANA DB Memory
<original DB net size> / 2
+ 20% safety buffer for merges (joins)
+ 50 GB (to be on the safe side)

~ # HANA DB CPU
<#CPUs for DB server> * 3

Requirements for application servers do not change fundamentally

In addition there is a Sizing Estimation Report to run in the existing SAP Solution Manager 7.1/7.2

Regarding supported hardware, please refer to the technical release information for SAP Solution Manager 7.2 in the Product Availability Matrix

Continue
On traditional databases, embedded search is provided by TREX

**TREX is not required if SAP Solution Manager 7.2 is deployed on SAP Hana**

Embedded Search is mandatory in SAP Solution Manager 7.2 for Process Management and its Solution Documentation!

You can additionally use Embedded Search in your SAP Solution Manager 7.2 for
- Quality Gate Management (QGM),
- Change Request Management,
- Service Delivery
- IT Service Management
- Business Process Monitoring
# Knowledge Transfer Products for SAP HANA Operations

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Transition to SAP Solution Manager 7.2
Upgrade vs. New Installation?

How large is the current database size of your SAP Solution Manager?
(Check in the latest SAP EarlyWatch Alert report)

< 300 GB

> 300 GB
Verify Housekeeping within SAP Solution Manager
Recommendations for Reduction of Database

Reduced data volume accelerates the upgrade time and reduces hardware cost

Typical areas for data reduction:

- Knowledge Warehouse documents in projects
- Remove outdated service and other reports
- Remove unused solutions and projects
- Archiving of Reporting Documents / Service Reports
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- Archiving Solution Manager Incidents
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- Remove obsolete business partners
- Application log reduction
- Application Operations data reduction

Last information on data reduction opportunities:
SAP Note 2257558
Recommendation: Do a New Installation of SAP Solution Manager 7.2

Consider to perform a new installation of SAP Solution Manager 7.2 instead of upgrading your existing SAP Solution Manager 7.1 to 7.2

- This implies that you have to re-configure all functions that you are currently using on the existing SAP Solution Manager 7.1 in the new release
- Existing data and custom code will be lost unless preserved somewhere else

Useful References:

- SAP Solution Manage 7.2 Master Guide
- Installation of SAP Netweaver 7.X-based systems:
  (Provide your Database and Operation System Platform, select SAP Netweaver 7.X-based and download the guides for ABAP and Java)
- Meet-the-Expert SAP Solution Manager 7.2: Browse recorded sessions in SAP Enterprise Support Academy

Calculate Sizing in Quick Sizer tool and define system with Maintenance Planer

Size and Prepare

Install ABAP and Java and Implement current SP-stack

Install ABAP and Java Systems with SWPM

Implement SP-stack with SUM

Configure

Perform Mandatory configuration of SAP Solution Manager 7.2 and relevant scenarios

Continue
New Installation: Sizing

Use the **Quick Sizer** tool for initial Sizing
Transition to SAP Solution Manager 7.2
Upgrade vs. New Installation?

Do you plan to install SAP Solution Manager on an SAP HANA database?

Yes

No
End of Section

Upgrade vs. New Implementation
Scenario-Specific Upgrade Information
Do you use any of the following scenarios in your existing SAP Solution Manager 7.1?

- Solution Documentation
- Test Management
- Business Process Operations
- Change Request Management
- Quality Gate Management

Yes
No
In SAP Solution Manager 7.2, the Solution Documentation scenario has been rebuilt completely, and central landscape elements have changed. To be able to work with existing content in the new environment, this content needs to be transferred. This process is called “content activation”.

- See the [Content Activation Wiki](#)
Scenario-Specific Upgrade Information
Content Activation

Are you aware of the new concept of solution and branches?
- If not, learn about how to change to the new concept of SAP Solution Manager 7.2 (Content Activation Guide)

Do you have a landscape with both a maintenance and development system (dual landscape)?
- If yes, the recommended branch setup is: Production/Maintenance + Development (see Process Management Wiki)

Do you have at least one landscape with multiple production systems or clients behind a development system (localization / sites)?
- If yes, use the site concept (see Process Management Wiki)
Scenario-Specific Upgrade Information

Please take a look at all scenarios you are using in your current SAP Solution Manager 7.1

- Process Management (Solution Documentation)
- Change Control Management
- Application Operations
- Custom Code Management
- IT Service Management
- Business Process Operations
- Test Management
- Project Management
- Data Volume Management
Scenario-Specific Upgrade Information
Solution Documentation (1/3)

Are you using Shortcuts in Solution Documentation in 7.1?
- Shortcuts are replaced by the library concept of SAP Solution Manager 7.2.
- Configuration Units are used for Org Unit & Master Data shortcuts.
- For more information please refer to the Process Management Wiki.

How many end users do you have in Solution Documentation?
- Solution Documentation has been changed in 7.2.: Consider the end user training effort in upgrade planning

Are you using Reverse Business Process Documentation (RBPD) or Solution Documentation (SoDocA) in 7.1?
- SoDocA is not available in 7.2.: get to know Process Management Reporting and the Library Cockpit in 7.2 instead
Scenario-Specific Upgrade Information
Solution Documentation (2/3)

Are you using roadmaps in 7.1?
- Roadmap functionality is taken over by IT Project Management in 7.2
- Road maps delivered by SAP are available in the Roadmap Viewer
- Get to know Project Management in SAP Solution Manager 7.2

Are you documenting multiple similar rollouts in your Solutions?
- Understand the Site concept (see Process Management Wiki)

Are you using template management?
- Understand the Site Concept and Deployments (SP05) (see Process Management Wiki)

Continue
Do you use SAP Workforce Performance Builder integrated with SAP Solution Manager 7.1?

Yes  No
Do you have UPL data collection activated and already data in SoluMan?

- If yes, data migration is necessary. For that you need to rerun `solman_setup ccm` guided procedure as described in the slide deck [Highlights in CCLM 72](#).

- Implement Custom Code Management master note
  - CCM 7.2 SP05 Master Note: [2450435](#)
  - CCM 7.2 SP04 Master Note: [2390766](#)
  - CCM 7.2 SP03 Master Note: [2336680](#)
  - In case of implementation issues, please refer to SAP note [2482431](#) - 7.2 CCM Master Note - How to implement correctly.

- Check housekeeping settings and if necessary clean-up the collected UPL data

- For additional information refer to [SAP Solution Manager Upgrade Guide](#).
Scenario-Specific Upgrade Information

Test Management

Which preparation is required if you use Test Management in 7.1?

- Finalize test execution / Close all open test plans
- Find open defects (to assign them later to new test plans in SolMan 7.2)
- Ensure that automated scripts (which should be migrated) are assigned to a project which is in scope of upgrade

How many end users do you have in SolDoc/Test/BP Mon?

- Since Solution Documentation is changed in 7.2.: Consider end user training effort in upgrade planning
Scenario-Specific Upgrade Information
Test Management

Which post-upgrade activities are required?

- Create Business Partner for all Test Management Users
- Upgrade CBTA client to CBTA 3.0 SP07
- Reactivate Jobs for UPL/SCMON
- Migration of BW Cubes
- BPCA – adjust Optimization Approach
- Check Transaction Types for Test Defects (SMIN, SMDT,…)
- Standard Test Management Configuration (Test Status Values, Test Classification etc.)

Reference: Test Suite Upgrade
Scenario-Specific Upgrade Information
Change Control Management (1/2)

Do you use Change Request Management (ChaRM) in 7.1?
- Content Activation procedure is necessary to be performed: open change cycles are taken into the scope automatically and rolled out as new cycle types
- Learn about New Features of Change Request Management
- Get first experience to work with the new user interface for Task List

Have you configured own Z-Transaction Types for ChaRM Workflows?
- Perform adjustments, as recommended in SAP note 2394599 (How to handle your Z transaction types after the upgrade to 7.2)
- Check / adjust authorization concept for ChaRM scenario (e.g. new authorization object for Import).
- Perform proper testing before to start productive usage of ChaRM functionality.
- Read the article SAP Solution Manager 7.2 - Change Request Management: Usual questions and known errors

Continue
Have you used interfaces to SOLAR-Environment for own implementations?

- Update and check the assigned implementations according to new Process Management infrastructure. Probably the used interface can be replaced by tight integration of Process Management and ChaRM in SAP Solution Manager release 7.2.

Have you performed any adjustments in the ChaRM UI in 7.1?

- Update of customer specific User Interface Configuration required; Replace former Project/Solution fields with new delivered attributes, or copy the SAP standard User Interface Configuration again to customer specific User Interface Configuration and adjust manually. For troubleshooting you can temporarily maintain user parameter WCF_IGNORE_ENHANCEMT with value A to disable all UI enhancements for certain users. It will allow to continue with testing of processes and etc. For additional information, please refer to SAP notes 1718834 and 1311966 and the wiki article.

Have you planned/ included End-User training activities into the upgrade project plan?

- Clarify necessity of End-User Training for Change Managers, Administrators, Release Managers (if necessary) according to the ChaRM functions and features in SAP Solution Manager 7.2.

Have you planned the initial scenario testing bevor the upgrade?

- To be able to decide about the ChaRM readiness for Go-Live after the Upgrade, some customers perform the initial testing of their ChaRM configuration before the Upgrade. The inconsistencies and issues, available before the upgrade project should not be taken into account for Go/no-Go decision for ChaRM scenario in 7.2.
If you use ITSM in SAP Solution Manager 7.1, Do you want to know about the upgrade impact on ITSM?

- The new ITSM features are ALL on Top of the existing. This means the upgrade will not remove or change anything on existing UIs or architecture.
- Nevertheless, there are plenty of new features that would improve, enhance or simply add new functionalities. But those can be implemented as required.
- Please see an ITSM L2 Delta presentation and an ITSM L2 Overview presentation in the media center.
Scenario-Specific Upgrade Information
SAP Workforce Performance Builder (1/2)

SAP Enable Now is the successor product of SAP Workforce Performance Builder

- Documentation: SAP Enable Now
- Documentation: SAP Enable Now: SAP Solution Manager 7.2 Integration
- How To: SAP Enable Now: SAP Solution Manager 7.2 Integration
- Tutorial: SAP Solution Manager Integration

*SAP Enable Now* is an end-to-end solution to collaboratively create, manage and deliver:

- **Formal training**
  - Traditional instructor-led trainings and LMS based online courses.
- **Informal learning**
  - Self-directed learning and sharing of knowledge.
- **Performance support**
  - Micro-knowledge and process guidance within the application.

Continue
Have you integrated SAP Solution Manager 7.1 with SAP Workforce Performance Builder 9.5?

- Do you plan to continue using the integration after the upgrade to SAP Solution Manager 7.2?
  - Because of the changes in SAP Solution Manager 7.2, the interface for connecting to the SAP Solution Manager 7.2 has been completely reworked. For using the new interface it is necessary to upgrade WPB 9.5 to the successor product SAP Enable Now.

- Do you plan to upgrade WPB 9.5 to SAP Enable Now before the SAP Solution Manager upgrade?
  - If Yes: SAP Enable Now uses the same interface for the connection to SAP Solution Manager 7.1 as WPB 9.5. In addition, SAP Enable Now supports a connection interface to SAP Solution Manager 7.2 (SP-stack 3 or higher). After the Upgrade to SAP Solution Manager 7.2, a re-connection and a content re-import will be necessary.
  - If No: The connection to SAP Solution Manager 7.2 must be re-established and the content has to be re-imported. Then references to the SAP Solution Manager process structure have to be synced again.

Do you use an earlier version of SAP Workforce Performance Builder?

- Generally it should be possible to upgrade older WPB versions to SAP Enable Now. We recommend to contact WPB Support to avoid known issues.
Scenario-Specific Upgrade Information
Application Operations (1/2)

Do you use Technical Monitoring functionality in SAP Solution Manager 7.1 and do you need information about scenario impact and required pre- and post-upgrade activities before starting to use this function after the upgrade?

- Slightly extended functionality. Necessary activities from the Upgrade side are explained in the SAP note 2227300.
- We recommend to check and if necessary to adjust Monitoring Templates and properly test the scenario before starting productive usage of Technical Monitoring after the Upgrade.

Do you use End-User Experience Monitoring in SAP Solution Manager 7.1 and want to learn about impact and pre- and post-upgrade activities before starting to use this function in 7.2?

- End-User Experience Monitoring has been renamed to User Experience Monitoring (UXM).
- User Experience Monitoring got a new UI5-based user interface and new layout. We recommend to get first experience with this function before starting productive usage.
Scenario-Specific Upgrade Information
Application Operations (2/2)

Do you use Root Cause Analysis in SAP Solution Manager 7.1 and do you need information about impact and pre- and post-upgrade activities before starting to use this function in 7.2?

- New user interface, functionality has been slightly enhanced. All functions from 7.1 should run again after the Upgrade and stack split (optional DB Migration) and Mandatory Configuration. For additional information refer to SAP Note 2227300
- SAP Note 2248724 – Root Cause Analysis in SAP Solution Manager

Do you use EWA reporting and would you like to continue using it after the upgrade?

- Because of the changes in the solution concept and product systems, the EWA is based on technical system and not on solutions any more. There are 3 optional after-upgrade activities described in SAP Note 2110537 (EarlyWatch Alert Setup UI transition to Solution Manager 7.2)
- Check SAP Note 2282944 on how to setup / configure EWA email recipients for Solution Manager 7.2
Which SP and monitoring infrastructure of SAP Solution Manager 7.1 do you use for Business Process Operations (BPOps)?

- **>= SP12 with Monitoring and Alerting Infrastructure (MAI)**
  - Do the migration via content activation. Some manual cleanup activities required before migration. Manual adjustments might be required for BAdIs and some customer monitors. Content activation only migrates the BPMon configuration to new solution documentation.

- **>= SP12 with classic CCMS-based infrastructure**
  - The migration to MAI can already happen on 7.1 system, SAP Note [2345777](https://support.sap.com) needs to be implemented before migration
  - Do the content activation afterwards

- **<= SP11**
  - Migration to MAI cannot happen on 7.1. It needs to happen as part of the content activation on 7.2
Scenario-Specific Upgrade Information
Business Process Operations (2/4)

Which BPOps functionalities do you use in SAP Solution Manager 7.1?

▪ Interface Monitoring
  – Migrate to channel monitoring as part of MAI migration, then use Content Activation guided procedure

▪ Business Process Analytics
  – Migration via content activation

▪ IDC / CDC (Internal or Cross Database Comparison)
  – No migration required

▪ BPO Dashboards for BPMon
  – Manual reconfiguration necessary for dashboards using BPMon information

▪ Dependency Diagrams for Business Process Analytics
  – Dependency Diagrams can be migrated via Business Process Operations post upgrade activities in Solution Manager Configuration

Continue
Which BPOps functionalities do you use in SAP Solution Manager 7.1?

- **Progress Management Boards for Business Process Analytics** *(available only with 7.1 SP15)*
  - Manual reconfiguration necessary on 7.2
- **Dashboards Factory using BPOps information**
  - Manual reconfiguration might be necessary, depending on exact content of dashboards
- **Job Documentation**
  - Migration in 7.2 (after content activation) in Solution Manager Configuration
  - In 7.2 Job Documentation related UIs can only be adopted / extended with help of Floor Plan Manager
- **Job Request Process**
  - Migration via content activation
- **Business Process Completeness Check (BPCC)**
  - Manual re-adjustments might be required
Scenario-Specific Upgrade Information
Business Process Operations (4/4)

Which Analytics cubes do you use?

- **Classic analytics cubes**
  - Migration to twin cubes needs to happen on 7.2 at the latest.
  - Ideally this should happen already on 7.1 (in case you are on SP12 or higher)
  - Purely technical change, no end user training or authorization adjustment required

- **Twin Cubes for analytics?**
  - No migration required

Do you plan and prepare end-user training for BPOps functionalities?

- Solution Manager Launchpad, Solution Documentation, Cross-Database Comparison and the switch to MAI all require end user training for configuration and consumption

Do you plan testing and adjusting the Roles and Authorization concept for BPOps?

- If Yes: Ensure that you have included BPOps authorizations testing and adjustment into the project plan.
- If No: Solution Manager Launchpad, Solution Documentation, Job Documentation and the switch to MAI all require adjusted roles and authorization concept for configuration and consumption
Do you plan to upgrade to SAP Solution Manager 7.2 SPS3 or 4?

- DVM-specific activities after the Upgrade are similar to SP-stack update in the release 7.1. After the Mandatory Configuration of SAP Solution Manager 7.2 go through (repeat) the DVM configuration, using SOLMAN_SETUP guided procedure. Performing this the current version of DVM master note will be implemented.

Do you plan to upgrade to SAP Solution Manager 7.2 SPS5 or higher?

- Additionally to the steps relevant for Upgrade to 7.2 SPS3 or 4, please test and adopt the new features and the new Fiori-based user interface. Additionally, check and if necessary adjust the authorizations, necessary for the new or enhanced functions.
- SAP Note 2377903 - Switch of DVM Size extractor to DBACockpit based DBCON Extractor

Additional Information: Data Volume Management Wiki
End of Section

Scenario-Specific Upgrade Information
Upgrade Strategy
Do you plan to run a test upgrade on a copy of your productive system?

Yes

No
Recommendation: Prepare a Sandbox system to test the upgrade procedure

Use a sandbox to get your first experience with the upgrade

Prepare an upgrade cookbook

Be aware of the difference between sandbox and production
- Sandbox is connected to few systems only
- Production works closely with other productive systems to build and run the business solution

Be careful with time estimations (and any time-related conclusion)
Recommendation: Read the System Copy Post Processing Guide

Read the System Copy Post Processing Guide to understand how to create a copy of your production system.
Transition to SAP Solution Manager 7.2
Upgrade Strategy

Is your SAP Solution Manager so mission critical that it is very important for you to minimize the technical downtime of the upgrade?

Yes

No
Recommendation:
Use downtime minimization capabilities (nZDM) of SUM

Near-Zero Downtime supports SAP Solution Manager Upgrade to 7.2 with SUM.

- Near-Zero Downtime Maintenance technology (nZDM) reduces actual downtime, while the previous preprocessing phase (system can be used productively) will take longer.
- For additional information refer to the Blogs:
  - Minimize your downtime of an update
  - FAQ of near-Zero Downtime Maintenance
  - Downtime Minimization Capabilities of SUM

It is not possible to use Near-Zero Downtime (nZDM) Maintenance option in parallel with simplified procedure for Upgrade and Migration on SAP Solution Manager 7.2 on HANA DB (SUM with DMO). For additional information please refer to the article about Downtime Optimized DMO.
Downtime: Details on Post Upgrade Steps
Differences depending on start release

1a: Content Activation
(~ 6 hours, dependent on scope)

1b: Mandatory Setup
(3 hours)

2: Additional Configuration
2 hours to 2 days

3: Upgrade Finished

Optimized Downtime for Business Process Operations and Custom Code Management if start release is SAP Solution Manager 7.1 SP 12 or higher

Functional Area
- Project Management
- IT Service Management
- Landscape Management
- Application Operations
- Data Volume Management
- Change Control Management
- Custom Code Management
- Business Process Operations
- Process Management (Solution Documentation)
- Test Suite

Times should be considered as minimum values.

Best Practice: Upgrade development system first and transport notes and corrections, to quality assurance and production system.

Prepare Content Activation ahead of time. Testing before go-live is required!

Continue
Transition to SAP Solution Manager 7.2
Upgrade Strategy

Do you have already a project plan for the SAP Solution Manager upgrade?

Yes

No
Recommendation: Use a Best-Practice Project Plan Template

Download the Best-Practice Project Plan Template
End of Section

- Upgrade Strategy
Further Upgrade Information
Transition To SAP Solution Manager 7.2
Further Upgrade Information

Please find links to general upgrade-related topics here:

- Manager Essentials
- Important SAP Notes
- Authorizations
- SAP Solution Manager and the Cloud
- Upgrade Guides
- Sizing
- SAP Solution Manager on SAP HANA
- References
- Maintenance Planner
- Downtime
- Early Adopter Care
- Related Services
Before to start with the SAP Solution Manager Upgrade Planning and Preparation, check the following documentation:

- **Upgrade Guide for SAP Solution Manager 7.2**
  - service.sap.com/instguides → SAP Components → SAP Solution Manager → Release 7.2 → 5 Upgrade

- **SAP note 2227300 - Further Upgrade Information for SAP Solution Manager 7.2**

- **Master Guide SAP Solution Manager 7.2:**
  - service.sap.com/instguides → SAP Components → SAP Solution Manager → Release 7.2 → 1 Planning

- **Updating SAP Systems Using Software Update Manager 1.0:**
  - support.sap.com/sltoolset → System Maintenance → Software Update Manager (SUM) 1.0 SP20 → Guides for SUM 1.0 SP20

- **Dual-Stack Split: Systems based on SAP NW 7.1 and higher**
  - support.sap.com/sltoolset → System Provisioning → Split Option of Software Provisioning Manager → Dual-Stack Split Guides
Transition to SAP Solution Manager 7.2

Important SAP Notes

- 2227300 - Further Upgrade Information for SAP Solution Manager 7.2
- 1249465 - TREX 7.10: Installing TREX for Embedded Search
- 2394599 - How to handle your Z transaction types after the upgrade to 7.2
- 2403108 - Composite SAP Note: Preparation for content activation for SAP Solution Manager 7.1 as of SP05
- 2446977 - FAQ: How to handle issues in Solution Documentation Content Activation
- 2257558 - SAP Solution Manager on HANA: Data archiving and reduction
- 2257213 - Authorizations for RFC users as of SAP Solution Manager 7.2 SP02
- 1795072 - Error in COMC_ATTRIBUTE table during upgrade
- 1595736 - Solution Manager: Overview on Release Information Notes
Transition to SAP Solution Manager 7.2
Sizing (1/2)

Size your SAP Solution Manager 7.2 System

Even if you do not plan to migrate to HANA DB and do not plan to enhance functional usage and scope, a release upgrade require a sizing review!

For detailed information and use cases please refer to:

- **Master Guide SAP Solution Manager 7.2:**
- service.sap.com/instguides
  - SAP Components
  - SAP Solution Manager
  - Release 7.2
  - 1 Planning
  - Chapter 4.2.10 Sizing Your SAP Solution Manager System

- **QuickSizer tool**
Transition to SAP Solution Manager 7.2
Sizing (2/2): Installation of TREX

TREX is not required if SAP Solution Manager 7.2 is deployed on SAP Hana

- The required hardware for the TREX server software depends on the following factors:
  - How many documents of what type are to be indexed?
  - What quantities of documents are to be indexed initially, and what quantities during routine operation?
  - How many search queries are expected? How many parallel search queries are expected?

- For a production TREX system, SAP recommends that you install the server software on a single host that is used exclusively for TREX.

- If TREX is running on the same host as other components, e.g. SAP Solution Manager 7.2, ensure the following:
  - There is enough main memory for all components.
  - TREX can use the required main memory space exclusively.

For additional information, please refer to:

- SAP Note 1249465 - TREX 7.10: Installing TREX for Embedded Search
- SAP Note 1266024 - TREX Sizing for Embedded Search
- SAP note 1158215 - TREX 6.1/7.0/7.1: Operating System Prerequisites
- For Troubleshooting refer to Trex for Enterprise Search and Embedded Search
Transition to SAP Solution Manager 7.2
Downtime

Duration of technical and business Downtime depends on multiple factors:
- Available resources
- SUM settings (Database Migration Option (DMO), Downtime minimization with nZDM or minimization of used resources)
- Selected Dual-stack split option (Move DB or Keep DB)
- And many others.

Therefore we recommend to test the whole upgrade procedure, incl. Functional preparation and scenarios reconfiguration in a Sandbox, copied from production SAP Solution Manager.
Downtime: Details on Post Upgrade Steps
Differences depending on start release

1a: Content Activation
(≈ 6 hours, dependent on scope)

1b: Mandatory Setup
(3 hours)

2: Additional Configuration
2 hours to 2 days

3: Upgrade Finished

Optimized Downtime for Business Process Operations and Custom Code Management if start release
SAP Solution Manager 7.1 SP 12 or higher

Times should be considered as minimum values.
Best Practice: Upgrade development system first and transport notes and corrections, to quality assurance and production system.
Prepare Content Activation ahead of time. Testing before go-live is required!
Transition to SAP Solution Manager 7.2
Roles and Authorizations

Do you plan to use scenarios in SAP Solution Manager 7.2 with a new Fiori-based user interface (e.g. Application Operations, Data Consistency Management …)?
Have you used highly or medium impacted scenarios in 7.1?

If Yes:
- Discuss the importance of authorization concept test and possible adjustments before to start the productive usage of SAP Solution Manager 7.2 after the upgrade.
- Some scenarios have been fully reworked and some scenarios are less impacted. Nevertheless, we recommend to check and if necessary adjust the available authorization concept during the upgrade project.

Reference: [Authorization Concept SAP Solution Manager](#)
What do you need to prepare in case you plan to migrate to HANA DB?

- Take a look at the SAP EarlyWatch Alert (EWA) of your SAP Solution Manager 7.1 system to check the current database size and growth rate.
  
  – [SAP EarlyWatch Alert](#)

- Check used scenarios (e.g. UPL, DVM, ChaRM and so on) and ask to check housekeeping jobs. To get more arguments, check DVM part of EWA, which tables are in the top10 or top30 (e.g. /BI0/F0SM_UPL* or DSVASRESULTSGEN (Service Session Workbench) in the top tables with growing trend would be a good basic for housekeeping and clean up discussion)
  
  – [SAP Note 2257558](#) - SAP Solution Manager on HANA: Data archiving and reduction
What do you need to prepare in case you plan to migrate to HANA DB?

- Do you know how to do sizing for SAP Solution Manager 7.2 on HANA?
  - If yes, verify available sizing according to best practices. If no sizing has been calculated, please refer to the available best practices.

- Have you already chosen the upgrade and HANA Migration strategy?
  - If no, discuss the available upgrade options (SUM with DMO with HANA Migration as part of upgrade, Upgrade with SUM, Stack split and then migration to SAP HANA DB with SWPM).

- Have you already prepared HANA operations (Suitable hardware has been ordered and prepared, Know-How available, Monitoring, Guided procedures)?
  - If no, discuss about HANA-relevant themes, like sizing, HANA-relevant hardware, Administration, Monitoring… Join our EGI sessions for HANA Monitoring or our HANA Administration training.

For more information, please refer to: SAP Solution Manager 7.2: Transition and Maintenance
Transition to SAP Solution Manager 7.2
Early Adopter Care Program

Our goal is that our customers can successfully run the upgrade from SAP Solution Manager 7.1 to 7.2 within a weekend. We are working on the publication of successful customer references.

We are still offering the participation at the Early Adopter Care Program at no costs to all customers that are planning to run the content activation. https://influence.sap.com/SAPSolutionManager72

Your benefits:

- Prioritized message handling
- Access to the SAP Learning Hub for SAP Solution Manager
- Exchange with other customers in a SAP Jam group

Results of upgrades will be analyzed and promptly integrated into Notes and SPs. That’s valid for set-up, activation, and usage. As a result, we produce up to 10 times faster runtime of the activation within Charm.
Experience SAP Solution Manager 7.2 on Cloud with SAP CAL
Test-drive for a nominal fee in your own private cloud with personalization

SAP CAL – Your highway to SAP Solution Manager 7.2 success!

SAP Solution Manager 7.2 solutions are now available in the SAP Cloud Appliance Library (CAL).

SAP provides the powerful appliance without SAP CAL charges. Customers and partners only need an Amazon Web Services (AWS) account to test drive the SAP Solution Manager cloud appliance for as a free trial.*

*SAP CAL homepage

*Cloud provider infrastructure fees apply.
SAP Cloud Appliance Library (SAP CAL)
The idea – simplify SAP consumption and deliver quick business value

Traditional Delivery
“on-premise”

SAP Cloud Appliance Library “cloud”

Infra-structure Setup | Install OS | Install SAP & Database | Base Configuration & Patches | Validate & Prepare | Start

• Deploy & use in the cloud in less than an hour

from weeks

down to minutes

Continue
Available SAP Solution Manager 7.2 solutions in SAP CAL

- **I want to try out content activation before I upgrade**
  - Available
  - Activation on SAP CAL
    - Version: 7.2 SPS03
    - Customer content upload possible +
    - Simple process management demos + SAP S/4HANA Packages

- **I want to jumpstart my SAP S/4HANA implementation**
  - Available
  - Demo/Jumpstart on SAP CAL
    - Version: 7.2 + Focused Build + SAP S/4HANA 1511 fully-activated managed system
    - Simple demos + SAP S/4HANA Packages, incl. connected system
SAP Solution Manager 7.2 Upgrade: Enterprise Support

Continue
SAP Solution Manager Upgrade
Offerings within Premium Engagement

Use Case

- SAP Owns the Upgrade Project
  - Customer is using Solution Manager with several functional scenarios and has very comprehensive project and solution documentation in Solution Manager 7.1 to be transferred to Solution Manager 7.2
  - Highly customized functional scenarios and/or many functional extensions through custom code

- Safeguard the Upgrade
  - Complexity Level: Comprehensive
  - Customer is using Solution Manager with several functional scenarios and has very comprehensive project and solution documentation in Solution Manager 7.1 to be transferred to Solution Manager 7.2
  - Highly customized functional scenarios and/or many functional extensions through custom code

- Safeguard the Upgrade
  - Complexity Level: Extended
  - Customer is using Solution Manager with several functional scenarios
  - Considers Solution Manager as mission-critical component

- Safeguard the Upgrade
  - Complexity Level: Basic
  - Customer is using Solution Manager 7.1 but with very limited use
  - Customer wants SAP to do an impact analysis and planning only

Continue
ALM Consulting Services

SAP Solution Manager 7.2 Upgrade Service

- Get the most out of SAP Solution Manager and upgrade to Version 7.2 now! The upgrade process is fast and easy with our **Installation and Upgrade Service**:
  - Option 1: Technical Upgrade to SAP Solution Manager 7.2
  - Option 2: New installation
  - Enhancement 1: Migration to SAP HANA for SAP Solution Manager
  - Enhancement 2: Content Activation

**Important**: Customers who plan to upgrade to SAP Solution Manager 7.2 should be aware that a rework of the customer individual customizing and coding might be required after the technical upgrade. This is especially true for custom code and/or consulting solutions.

- Please contact [SAP Consulting](#) if you have questions about the upgrade process as well as for analysis and rework support.

- **The maintenance period for SAP Solution Manager 7.1 will end in December 2017.**
Live Support **Expert Chat**

**Overview**

**Expert Chat**

provides a live chat function that connects you to SAP technical support experts, instantly.

- Live support from SAP experts for any technical problem
- Resolves incidents nearly two times faster than those reported through traditional SAP support channels
- Improves support experience by real-time interaction
- Available for all support levels and almost all solutions
- Industry leading offering for Enterprise Software Support
- Integrated in the SAP ONE Support Launchpad
- [http://launchpad.support.sap.com](http://launchpad.support.sap.com)
Available Learning Resources
From Interest to Expert Knowledge

Management Competence (Introduction)
- Public Videos & Playlists
  - SAP Solution Manager for SAP S/4HANA
- Overview Publications
  - SAP Solution Manager Homepage [support.sap.com/solutionmanager]
- Introduction Information
  - Overview, Processes, Product and Release Info
- SAP Solution Manager Media Center
  - Product Videos, System Demos, Tutorials

Core Competence (Key Value Chains)

Expert Competence (Functional Areas)
- Expert Publications
  - Monitoring and Operations with SAP Solution Manager
- Technical Information
  - Supported languages, browsers, and data bases
- Expert WIKIs
  - Functional Areas Expert Content
- SAP Solution Manager Community
  - Blogs & Questions
- System Landscapes
  - Private Evaluation System (CAL), Public Demo System
- Live Expert Sessions & e-Learnings
  - EGI, MTE, GDT, AIE, BP
- Classroom Trainings*
  - SMx (Setup & Config), E2Ex (Functional Overview)
- Product Documentation
  - Application Help, Release Notes, Installation, Upgrade, and Security Guides

From Interest to Expert Knowledge
SAP Help Portal

*) Planned availability Q1 2017
Thank you.