

PUBLIC

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# Installation Guide

## for SAP S/4HANA and SAP S/4HANA Cloud Private Edition 2025

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# Document History

| Version | Date | Description |
| --- | --- | --- |
| 1.0 | October 8, 2025 | Version for SAP S/4HANA 2025. |
| 1.1 | November 5, 2025 | Corrected versions for components SAP_UI and SAP Gateway in topic Installation of SAP Fiori [page 22]. |
| 1.2 | January 13, 2026 | SAP Notes added to sections Follow-Up Activities for Agricultural Contract Management [page 72] and Follow-Up Activities for Commodity Management [page 78]. |
| 2.0 | February 25, 2026 | Version for SAP S/4HANA 2025 FPS01. |
| 2.1 | May 12, 2026 | Title of SAP Note 3638742 changed in section Follow-Up Activities for Agricultural Contract Management [page 72].<br><br>References to SAP Note 3678393 added to sections Follow-Up Activities for Commodity Management [page 78], Follow-Up Activities for Agricultural Contract Management [page 72], and Integration with Oil & Gas and Commodity Management [page 74].<br><br>Corrections to the names of business functions (previously referred to as "switches") listed in section Integration with Prepayment Agreements [page 76].<br><br>Configuration steps added to section Integration with Oil & Gas and Commodity Management [page 74], under subsection *Additional Configuration*. |

| Version | Date | Description |
| --- | --- | --- |
| 2.2 | June 15, 2026 | Minor changes to the following sections:<br>• Follow-Up Activities for Commodity Management [page 78]<br>• Integration with Oil & Gas and Commodity Management [page 74]<br>• Follow-Up Activities for Agricultural Contract Management [page 72]<br>• Integration with Prepayment Agreements [page 76]<br>Information about report VCH_MASS_MAINTENANCE and post-installation steps added to section Follow-Up Activities for Advanced Variant Configuration [page 31] |
| 3.0 | October 7, 2026 | Version for SAP S/4HANA 2025 FPS02. |

# 1 Getting Started

This guide provides you with the following information::

- A system landscape and product overview
- A list of the tools and documentation you need for the installation
- Important follow-up activities you need to consider after the installation

> **Note**
>
> This guide includes information required to install your SAP S/4HANA or SAP S/4HANA Cloud Private Edition system.
>
> For SAP S/4HANA Cloud Private Edition, some of the tasks described in this guide are covered by services offered by SAP. The scope of these services is agreed as part of your subscription.

> **Note**
>
> This guide cannot be used on its own, you need to use it together with the installation guides describing the installation of Application Server Systems with the Software Provisioning Manager 2.0 tool.
>
> You find these guides (as well as a link to the SPM tool) on the SAP Support Portal at https://support.sap.com/sltoolset *System Provisioning* *System Provisioning Scenarios* *Install a System using Software Provisioning Manager* *Installation Option of Software Provisioning Manager 2.0 <latest SP>* *Installation Guides - Application Server Systems*.
>
> These installation guides are sorted by database, technical stack (ABAP and Java), and operating system platform. For the installation of SAP S/4HANA, choose the SAP HANA Database guide for your operating system (UNIX, IBM, or Windows) and the ABAP Stack.

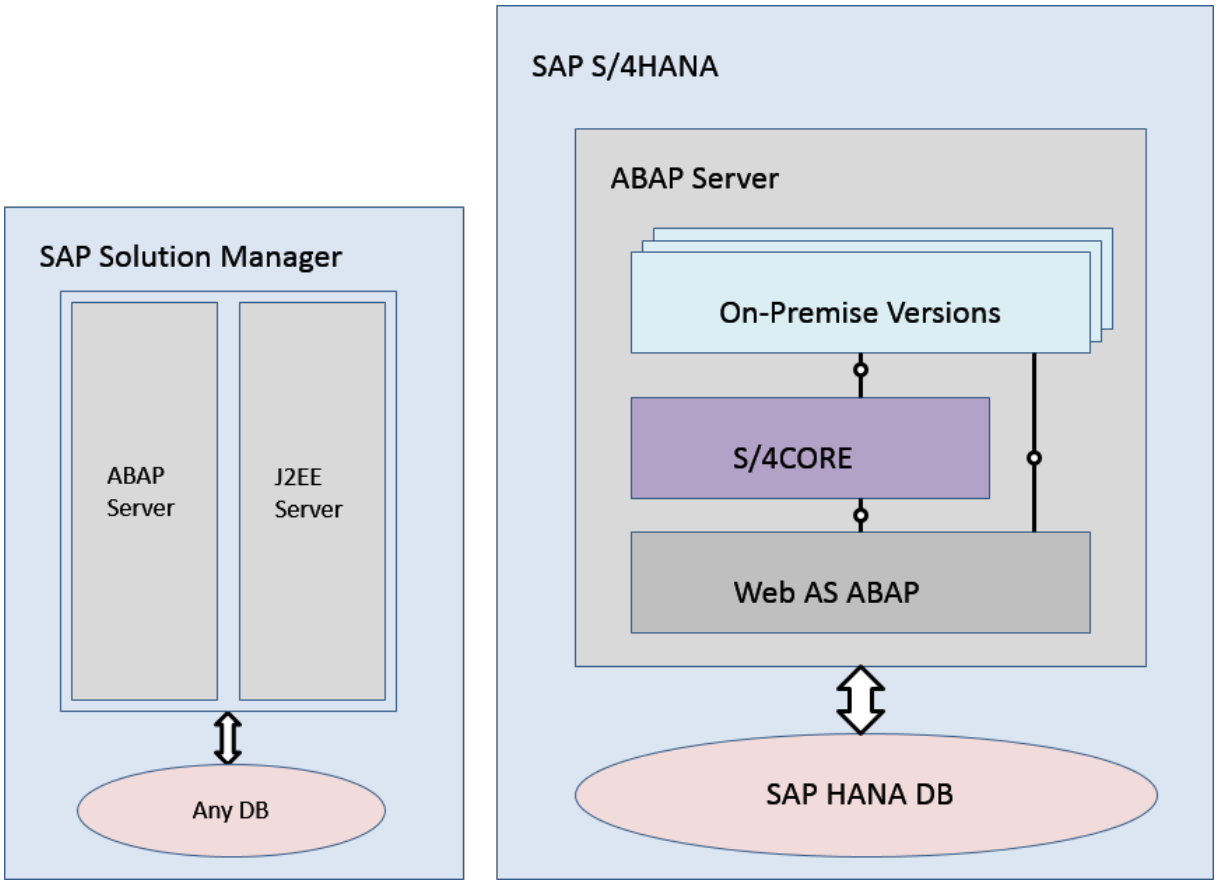
> **Note**
>
> Java components and databases other than SAP HANA are still installed using the 1.0 version of the Software Provisioning Manager. You find the guides for version 1.0 on the same page as those for version 2.0 (see note above), just choose **Installation Option of Software Provisioning Manager 1.0 <latest SP>**.

# 2 SAP S/4HANA System Landscape Information

There are various ways of deploying SAP S/4HANA in your new or already existing system landscape. This section describes some examples.

## Example: SAP S/4HANA New Installation

A new installation of SAP S/4HANA needs to run on the SAP HANA database. It is recommended to use the SAP Solution Manager, which can run on any database. This very simple landscape can be enhanced with the SAP cloud solutions and SAP Business Suite products.



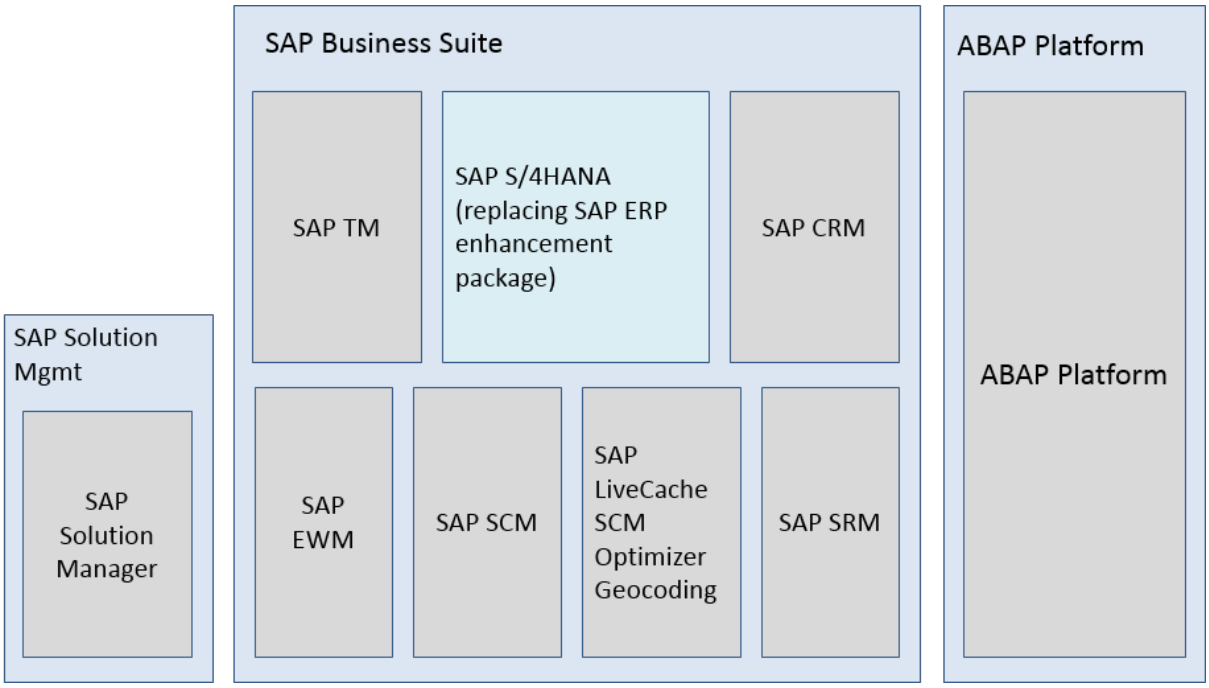

Simple SAP S/4HANA Deployment

## Example: SAP S/4HANA in an SAP Business Suite Landscape

It is possible to integrate SAP S/4HANA into an existing SAP Business Suite landscape by replacing the SAP ERP enhancement package product with SAP S/4HANA. When performing this conversion in your system

landscape, you need to do some adaptations, for example you need to convert some of your existing business processes to the simplified SAP S/4HANA processes. Some of the SAP Business Suite processes are no longer supported, some have been changed, and there are also new processes. How to convert your existing processes to the SAP S/4HANA processes is described in the *Simplification Item Catalog*.

For more information about the *Simplification Item Catalog*, see the *Conversion Guide for SAP S/4HANA* at https://help.sap.com/s4hana_op_2025 *Implement* *Guides* .




Example SAP Business Suite landscape with an embedded SAP S/4HANA system

## More Information

For more information about SAP Fiori for SAP S/4HANA see SAP Note 2590653.

# 3 Installation Documentation

Required Installation Documentation

| Documents | Comments and Links |
| --- | --- |
| *Installation Guide for SAP S/4HANA 2025* (this guide) | This document contains information relevant for the installation of SAP S/4HANA, but it does not describe the process or the installation tool. They are described in the Software Provisioning Manager guides listed below.<br><br>Always find the latest version of the *Installation Guide for SAP S/4HANA 2025* at https://help.sap.com/s4hana_op_2025 ▶ *Implement* ▶ *Guides* ▶ |
| Installation guides describing the installation of Application Server Systems with the Software Provisioning Manager 2.0 which is part of SL Toolset 1.0. Make sure that you always use the latest SP version of the tool and guides available on the SAP Support Portal. | You find these guides (as well as a link to the SPM tool) at https://help.sap.com/viewer/swpm20guides ▶ *Installation Option of Software Provisioning Manager 2.0* ▶ *Installation Guides - Application Server Systems - Software Provisioning Manager 2.0* ▶.<br><br>These installation guides are sorted by database, technical stack (ABAP and Java), and operating system platform. For the installation of SAP S/4HANA, choose the SAP HANA Database guide for your operating system (UNIX, IBM, or Windows) and the ABAP Stack.<br><br>**Note**<br>Java components and databases other than SAP HANA are still installed using the 1.0 version of the Software Provisioning Manager. You find the guides for version 1.0 at https://help.sap.com/viewer/swpm10guides ▶ *Installation Option of Software Provisioning Manager 1.0* ▶ *Installation Guides - Application Server Systems - Software Provisioning Manager 1.0* ▶. |

| Documents | Comments and Links |
| --- | --- |
| *SAP HANA Server Installation and Update Guide* | You need the *SAP HANA Server Installation and Update Guide* for the installation of the following components:<br>• SAP liveCache on SAP HANA<br>If you plan to use the SAP S/4HANA **Production Planning & Detailed Scheduling (PP/DS)** application and / or the **Capacity Scheduling Table** (Fiori ID: F3770) and **Capacity Scheduling Board** (Fiori ID: F3951) apps, which are a part of SAP S/4HANA Manufacturing, it is important that you install HANA integrated liveCache, which is the HANA component SAP LCA (also called LCAPPS- or liveCache Applications plugin).<br>• SAP VCH AFL<br>See also SAP Note 1898497.<br>**Note**<br>For each SAP HANA revision, there exists one corresponding version of these SAP HANA system components.<br>You find this guide at http://help.sap.com/hana_platform *Implement* *Installation and Upgrade* *SAP HANA Server Installation and Update Guide* For information about how to install or update these components, see the section *Managing SAP HANA System Components* in the guide. |
| *SAP Fiori Overview* | This documentation provides important information about the UI implementation. You can find it at https://help.sap.com/s4hana_op_2025 *Discover* *Product Assistance* *English* *Related Information* *SAP S/4HANA and SAP S/4HANA Cloud Private Edition* *Enterprise Technology* *SAP Fiori* *SAP Fiori Overview* . |
| *SAP S/4HANA 2025: Release Information Note* | SAP Note 3493301 |
| *SAP S/4HANA 2025 Feature Package Stack 00: Additional Release Information* | SAP Note 3493310 |
| *SAP S/4HANA 2025: Restriction Note* | SAP Note 3549655 |
| *SAP Fiori for SAP S/4HANA 2025: Release Information Note* | SAP Note 3493254 |
| *SAP S/4HANA Foundation 2025: Release Information Note* | SAP Note 3568504 |
| *SAP S/4HANA Add-on Note* | SAP Note 2214409 |

| Documents | Comments and Links |
| --- | --- |
| *ABAP Platform 2025 – General Information* | SAP Note 3612209 |
| *Java components for SAP S/4HANA 2025 – Restrictions* | SAP Note 3612338 |

Additional Documentation

| Documents | Comments |
| --- | --- |
| *Getting Started with SAP S/4HANA* | You find this guide at https://help.sap.com/s4hana_op_2025 ▶ *Discover* ▶ |
| System copy guides using the Software Provisioning Manager 1.0 or 2.0. | You find these guides at https://help.sap.com/viewer/swpmguides. |
| *Requirements for other components to use certain functions in decentralized EWM on SAP S/4HANA* | SAP Note 2871189 |

# 4 Product and Database Information

This section gives an overview of the components of SAP S/4HANA 2025.

SAP S/4HANA Components

| Component Name | Comment |
| --- | --- |
| SAP S/4HANA Server | Note that client 000 is not a productive client.<br>Includes SAP S/4HANA Foundation. As well as the SAP S/4HANA Server, this component needs to be specifically selected in the Software Provisioning Manager 2.0. |
| SAP Predictive Integrator | APL 4 FOR HANA 2 SP03+<br>For more information, see https://help.sap.com/s4hana_op_2025 ▶ *Use* ▶ *Product Assistance* ▶ *English* ▶ *Related Information* ▶ *SAP S/4HANA and SAP S/4HANA Cloud Private Edition* ▶ *Cross Components* ▶ *Process Management and Integration* ▶ *Intelligent Scenario Lifecyle Management* ▶ *Pre-Requisites* ▶. |
| SAP S/4HANA VCH AFL | SAP VCH AFL 2025.00 |
| SAP S/4HANA SCA AFL | SAP SCA AFL 1.0 |
| SAP LiveCache on SAP HANA | SAP HANA LCAPPS 1.00<br>When configuring your SAP S/4HANA installation package through Software Provisioning Manager (SWPM), you get a screen named *Configuration of SAP liveCache with SAP HANA*. Here, choose to install liveCache for SAP System.<br>• For SAP S/4HANA you can only choose the SAP HANA integrated liveCache.<br>• You need the liveCache installation only when at least one of your applications uses it. |
| SAP Optimizer | SAP SCM Optimizer 14.0 |
| Integration for Elster | • ELSTER 2.2<br>• ELSTER_LIBS 2.2<br>• UTELSTER 730 |
| Integration for Swift | • SWIFT 622<br>• UTSWIFT 730 |
| ESR Content | ESR Content (XI CONTENT) |
| SAP EHS Expert Server | EH&S EXPERT 3.2 |
| SAP EHS WWI Server | EH&S WWI 3.2 |

| Component Name | Comment |
| --- | --- |
| MSG.PMQ Designer | MSG.PMQ DESIGNER 2 |
| MSG.PMQ XSA Content | XSAC_TOMATOSJ 2<br>For information about msg.PMQ, see https://help.sap.com/viewer/product/SAP_POLICY_MANAGEMENT_OVERVIEW/2025.latest/en-US |
| MSG.PMQ Sample Content | MSG.PMQ SAMPLE CONTENT 809 |
| Business Intelligence | For more information, see SAP Note 2289424. |
| BI Content Extension | For more information, see SAP Note 2289424. |
| SAP S/4HANA Java | - |
| Adobe Document Services | - |
| Advanced Adapter Engine Extnd | - |
| Enterprise Services Repository | - |
| Content Server | - |
| SAP Web Dispatcher | - |
| Frontend | - |
| ABAP in Eclipse | - |

> **Note**
>
> For information about PI Adapters, see SAP Note 2251604.
>
> For information about SAP S/4HANA and the ABAP Platform, see the product assistance at https://help.sap.com/s4hana_op_2025 > *Product Assistance* > *English* > *Related Information* > *SAP S/4HANA and SAP S/4HANA Cloud Private Edition* > *Enterprise Technology*.

SAP Fiori for SAP S/4HANA Components

| Component Name | Comment |
| --- | --- |
| UI for SAP S/4HANA | UIS4H 109 |
| UI for HCM | UIHR002 100 |
| UI for MDG | UIMDG001 200 |
| UI for TRV | UITRV001 300 |

SAP Multichannel Foundation for Utilities and Public Sector, UI add-on for SAP S/4HANA 1709 and higher releases

| Component Name | Comment |
| --- | --- |
| MCF UI FOR SAP S/4HANA 1709+ | UIS4MCF 100 |

Database for SAP S/4HANA Backend

| Database for SAP S/4HANA Backend | Comments |
| --- | --- |
| SAP HANA (`SAP HANA DATABASE 2.0`) | Used as database for SAP S/4HANA backend; can also be used by SAP Fiori for SAP S/4HANA in an embedded and in a hub deployment (see table below). |

Databases for SAP Fiori for SAP S/4HANA (Frontend)

| Databases for SAP Fiori for SAP S/4HANA Frontend | Comments |
| --- | --- |
| SAP HANA 2.0 | The SAP Fiori frontend for SAP S/4HANA can run on SAP HANA in a hub deployment.<br><br>For more information about SAP Fiori for SAP S/4HANA deployment, see Installation of SAP Fiori [page 22] and SAP Note 2590653 |

> **Note**
>
> Databases other than the ones mentioned in the tables above are **not supported** for SAP S/4HANA.

# 5 Maintenance Planner

We recommend that you use the Maintenance Planner to plan your installation. The tile *Plan for SAP S/4HANA* provides you with a guided procedure for SAP S/4HANA which also offers information about the selection of SAP Fiori Front-end Server deployment options. You find the tile at http://help.sap.com/maintenanceplanner *Additional Information* *Launch Maintenance Planner*.

The Maintenance Planner creates a stack XML file with the support package stack information that you then hand over to the Software Provisioning Manager (the installer).

> **Note**
>
> The Maintenance Optimizer (MOPZ) cannot be used with SAP S/4HANA. It has been replaced by the Maintenance Planner.

You access the Maintenance Planner tool and its *User Guide* at http://help.sap.com/maintenanceplanner.

# 6 Installation Process

The installation process for SAP S/4HANA and its components is described in the Software Provisioning tool guides referenced in the section Installation Documentation [page 9].

# 7 Installation Follow-Up Activities

> **Note**
>
> For information about how to configure the ABAP Platform, see https://help.sap.com/s4hana_op_2025 ▶ *Use* ▶ *Product Assistance* ▶ *English* ▶ *Related Information* ▶ *SAP S/4HANA and SAP S/4HANA Cloud Private Edition* ▶ *Enterprise Technology* ▶ *ABAP Platform* ▶ *Configuring the ABAP Platform* ▶

## 7.1 Applying the Latest Kernel and Support Package Stacks

If you are already on SAP S/4HANA 2025, you can do an update to any higher SAP S/4HANA 2025 feature or support package stack.

> **Note**
>
> Support package stack (SPS) is equivalent to feature package stack (FPS). The term **feature** indicates that new features are delivered with the FPS, not just bug fixes as with support package stacks.

> **→ Recommendation**
>
> Although it is possible to do the update manually, we recommend that you do this using the Software Update Manager (SUM), as described in the guide *Software Update Manager (SUM) 2.0 <latest sp>* found at https://support.sap.com/sltoolset ▶ *Software Logistics Toolset* ▶ *System Maintenance* ▶.

If you do want to update the kernel manually, proceed as a follows:

1. Log on as user **<SAP System ID>adm** to the hosts of the SAP system instances to be updated.
2. Download the latest kernel for your operating system and database platform as described in SAP Note 19466.
3. Back up the kernel directory that is specified by the profile parameter `DIR_CT_RUN`.
4. Extract the SAR files of the kernel support packages of the target support package level to a temporary directory using the SAPCAR tool.
5. Copy or move the extracted programs from the temporary directory to the local kernel directory.
6. Adjust the ownership and permissions of the kernel binaries by entering the following command sequence (Run the `saproot.sh` script that is located in the kernel directory):

```
su - root
cd <kernel_directory>
./saproot.sh <SAP system ID>
exit
```

## 7.2 Importing Data to SAP S/4HANA

The following sections explain possible ways of migrating data to SAP S/4HANA:

- SAP S/4HANA Migration Cockpit [page 18]
- SAP Data Services [page 21]

## 7.2.1 SAP S/4HANA Migration Cockpit

For the migration of legacy data to SAP S/4HANA, SAP provides the SAP S/4HANA migration cockpit. It helps you to transfer your master data and business data from SAP systems and non-SAP systems to SAP S/4HANA. The migration cockpit is available as part of SAP S/4HANA and is included in the SAP S/4HANA license.

### Using SAP S/4HANA Migration Cockpit

For an overview of the SAP Notes relevant for the SAP S/4HANA migration cockpit, see SAP Note 2780378.

You can use the SAP Note Analyzer (transaction `CNV_NA_MC`) to check whether all the necessary SAP Notes for SAP S/4HANA migration cockpit are installed. For more information, see SAP Note 3016862.

SAP Fiori must be set up as prerequisite for the data migration approaches. For more information about the SAP Fiori app *Migrate Your Data*, see:

- SAP Fiori Apps Reference Library and search for the SAP Fiori app *Migrate Your Data*
- SAP Note 3039598

As of SAP S/4HANA 2020, there are two migration approaches for transferring data to SAP S/4HANA using the SAP Fiori app *Migrate Your Data*:

1. **Migrate data using staging tables**
   The SAP S/4HANA migration cockpit creates staging tables for the migration objects that are relevant for your project and migrates data from these staging tables to the target SAP S/4HANA system.
   Template files are provided for each migration object. You can use these template files to fill the staging tables with data. Alternatively, you can fill the staging tables using your preferred tools (for example SAP Data Services). For more information about this approach, see SAP Notes 2537549 and 2733253. If you plan to use CSV files to fill the staging tables, see SAP Note 3210687.

   > ### Note
   >
   > When creating a migration project, you specify a location for the staging tables. If you use the option **Local SAP S/4HANA Database Schema**, the SAP S/4HANA migration cockpit will generate the staging tables in the local database schema of the SAP S/4HANA system.
   >
   > If you use the option **Remote SAP HANA Database Schema**, you specify the relevant connection to a remote SAP HANA system and the SAP S/4HANA migration cockpit will generate the staging tables there. As a prerequisite, you need to create a database connection using transaction `DBCO`, and manually add it to table `DMC_C_WL_DBCO_OP` in the SAP S/4HANA system.

For more information about the local SAP S/4HANA and remote SAP HANA database schema, see SAP Note 2733253.

For performance tips and tricks and how to modify data transfer jobs, see SAP KBAs 3065607 and 3066336.

If you are using the SAP S/4HANA technical job repository in your SAP S/4HANA system, the SAP S/4HANA migration cockpit will use it as well. Otherwise, the technical job repository is not used.

2. **Migrate data directly from an SAP system**
   This migration approach allows you to directly transfer data from a SAP source system to SAP S/4HANA. You can connect to the source system by using an RFC connection, choose the relevant migration objects, and then select data from the source system based on specific criteria. For more information about this approach, see SAP Note 2747566.
   This migration approach is available for the following migration scenarios:
   - SAP ERP to SAP S/4HANA
   - SAP Apparel and Footwear (SAP AFS) to SAP S/4HANA for fashion and vertical business
   - SAP Extended Warehouse Management (SAP EWM) to EWM in SAP S/4HANA
   - SAP Customer Relationship Management (SAP CRM) to SAP S/4HANA for Customer Management.
   - SAP Supply Chain Management Service Parts Planning (SAP SCM APO SPP) to SAP S/4HANA Extended Service Parts Planning (eSPP).

   For information about the lowest supported releases for these migration scenarios, see https://help.sap.com/S4_OP_DM ▶ *Migrate Your Data - Migration Cockpit* ▶ *Migrate Data Directly from SAP System* ▶.

   **Note**

   Note that the SAP S/4HANA migration cockpit does not support the migration of data from one SAP S/4HANA system to another SAP S/4HANA system. SAP S/4HANA Finance systems (previously known as SAP Simple Finance) are classified as SAP S/4HANA systems. We strongly recommend to check the compatibility of your SAP ERP DMIS - SAP S/4HANA, as shown in SAP Note 3209755.

   **Note**

   - The add-on DMIS must be installed in the source system. See SAP Note 2747566 for details.
   - An RFC connection between the SAP S/4HANA system and the SAP source system must be available.
     The RFC user in the SAP ERP source system must have the role `SAP_DMIS_MC_DT_REMOTE`. For security reasons, we recommend that this RFC user is a user of type **Communication**. Note that it is not possible to use RFC connections that use trusted systems.
   - To check whether your system has an SAP S/4HANA Finance installation go to ▶ *SAP GUI* ▶ *System* ▶ *Status* ▶ *SAP System data* ▶ *Product version details* ▶ *Installed software component versions* ▶ where you can see if an SAP S/4HANA Finance product version is installed.
   - For performance tips and tricks, see SAP KBA 3056885.
   - Before creating your first project, we strongly recommend that you use the SAP Note analyzer to check if all relevant SAP Notes have been implemented. For more information, see SAP Note 3016862.

## Integration of Custom Data

In addition, the SAP S/4HANA migration cockpit allows you to integrate your custom data into the migration using the migration object modeler. For example, you can adjust the predefined standard migration objects by adding fields to them. You can also create your own custom-specific migration objects or SAP standard objects that have not yet been included in the scope of the migration cockpit.

The functions and features offered by the SAP S/4HANA migration object modeler depend on the migration approach of your SAP S/4HANA migration cockpit project. Detailed documentation for the SAP S/4HANA migration object modeler can be accessed directly from transaction `LTMOM`.

## Migration Objects

For a complete list of migration objects, see https://help.sap.com/S4_OP_MO.

## Required Roles

To access the SAP S/4HANA migration cockpit, use the SAP Fiori app *Migrate Your Data*. You need the business role `SAP_BR_CONFIG_EXPERT_DATA_MIG` for the front-end server.

To transfer data using the SAP S/4HANA migration cockpit, a user with the role `SAP_CA_DMC_MC_USER` is required in the SAP S/4HANA system.

To use the migration object modeler (transaction `LTMOM`), assign the role `SAP_CA_DMC_MC_DEVELOPER` to the respective user. Before using the modeler, you first need to create a migration project.

## Technical Job Repository Information

The technical job repository (`SJOBREPO`) is active for the dispatcher job of the SAP S/4HANA migration cockpit. This framework uses a technical user, typically `SAP_SYSTEM`, `DDIC` or another user specified in the settings.

For the approach migrate data using staging tables, the jobs (for example for simulation or migration) are scheduled with user `DDIC`. However, the migration steps in the job run with the user who started the activity.

Usually, the framework expects either the user `SAP_SYSTEM` or `DDIC`. It is, however, also possible to store a different user (step user), see SAP Notes 2731999 and 3194839.

For general information about the technical job framework, see SAP Note 2190119.

The dispatcher job of SAP S/4HANA migration cockpit executes the report `/LTB/JOB_DISPATCHER`. The report `/LTB/JOB_DISPATCHER` can work with or without a technical job framework. This means that if the technical job does not exist or is inactive or if the technical job framework does not exist, the jobs are scheduled in the usual way.

The migration approach Migrate Data Directly from SAP System also uses the technical job framework. For this approach, the jobs are started by technical users (for example, `SAP_SYSTEM` or `DDIC`). The steps in the jobs are run by the user who started the activity.

> **Note**
>
> For both migration approaches (Migrate Data Using Staging Tables and Migrate Data Directly from SAP System), the technical job repository requires one single user which serves as a step user for all the technical jobs scheduled using transaction `SJOBREPO`. This user must be registered once per client in transaction `SJOBREPO_STEPUSER`. You can use profile the `SAP_APP` which you have to regenerate using program `REGENERATE_SAP_APP` as explained in SAP Note 2437635. The authorization profile `SAP_APP` must be added to the step user to run the SAP S/4HANA migration cockpit correctly.
>
> For more details about how to create a step user see SAP Note 3094534. For information about other relevant SAP Notes related to the job dispatcher, see SAP Note 3166765.

### Additional Information

For more information about the SAP S/4HANA migration cockpit, see:

- https://help.sap.com/S4_OP_DM
- SAP Note 2481235 *SAP S/4HANA Migration Cockpit (on premise) - restrictions and extensibility of pre-delivered migration objects*

## 7.2.2 SAP Data Services

SAP provides SAP Data Services with Rapid Data Migration content to assist you with importing your data into your SAP S/4HANA system after installation.

For additional information, see:

- SAP Notes 2239701 and 2287723
- SAP Data Services at the SAP Help Portal http://help.sap.com/bods
- SAP Best Practice content for data migration: https://me.sap.com/processnavigator/SolS/RDM_S4H_OP

# 7.3 System Configuration for SAP S/4HANA

After you have installed SAP S/4HANA, you have a number of options how to proceed with the system configuration:

1. You follow SAP Activate and SAP Best Practices to guide you through your system configuration.

> **Note**
>
> We strongly recommend that you use SAP Activate and SAP Best Practices as this will simplify both the initial implementation process and future updates of your software.

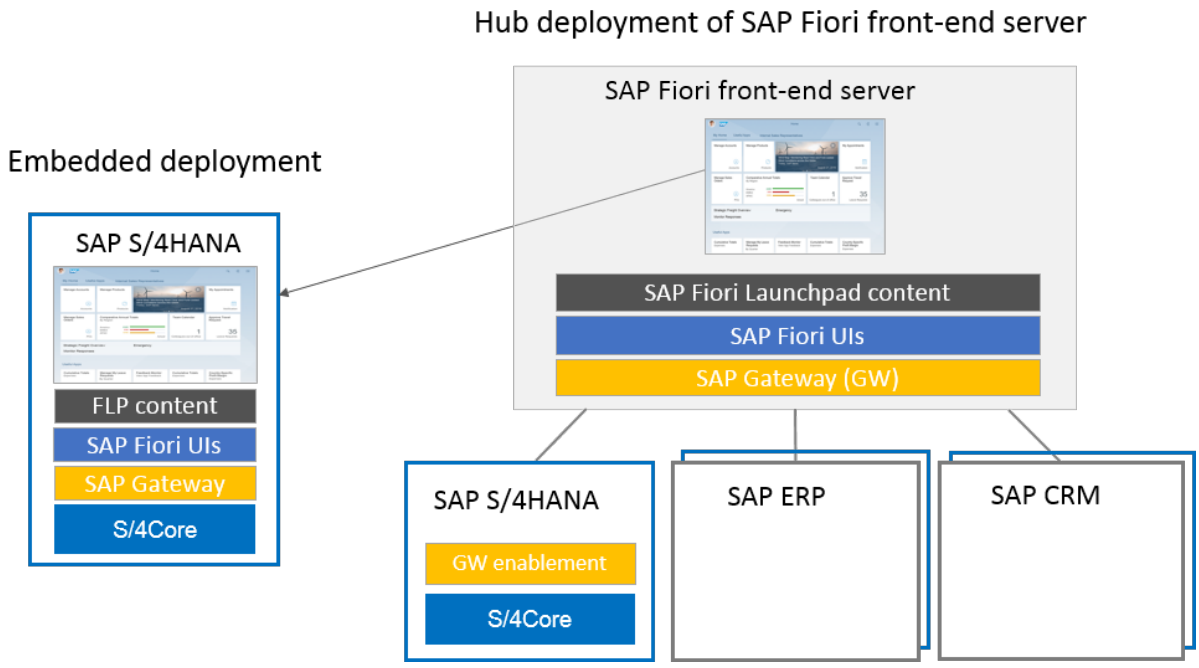
SAP Activate is the innovation adoption framework that helps you to implement your SAP S/4HANA system. It provides ready-to-run business and technology processes and guided configurations. For ordering information see SAP Note 2041140 (for partners and customers).
For additional information about SAP Activate and SAP Best Practices, see the SAP Help Portal at https://help.sap.com/s4hana_op_2025 *Implement* *SAP Best Practices*

2. You use SAP Activate and SAP Best Practices as templates for your system configuration and make changes using the Implementation Guide (IMG). This allows you to adapt the SAP-delivered configuration settings to your specific requirements.
3. You use only the Implementation Guide (IMG) to configure your system.

> **Note**
>
> In case of a conversion of an existing SAP Business Suite system, you proceed as described in the *Conversion Guide for SAP S/4HANA* at the SAP Help Portal under https://help.sap.com/s4hana_op_2025 *Implement* *Guides*.

## 7.4 Installation of SAP Fiori

There are two possible deployment options for SAP Fiori for SAP S/4HANA, the embedded or the hub (standalone) deployment option.



## Embedded Deployment

Components for embedded deployment for SAP S/4HANA 2025:

- Optional UI components (HR, Travel, MDG)
- SAP Fiori for SAP S/4HANA 2025
- SAP Fiori front-end server 2025 for SAP S/4HANA
- SAP_UI 8.16
- SAP Gateway 8.16
- ABAP Platform 2025 (part of SAP S/4HANA 2025)

After the installation of SAP S/4HANA 2025, the other components of the embedded deployment option may need to be upgraded to the required version.

## Standalone Deployment

You can co-deploy an existing SAP Business Suite hub with an SAP Fiori for SAP S/4HANA 2025 standalone deployment. Existing apps continue to run against the SAP Business Suite back-end systems while the newly installed applications of SAP Fiori for SAP S/4HANA 2025 need to be configured to run against the SAP S/4HANA 2025 system. As a prerequisite, you have to migrate the database of the existing SAP Business Suite hub (supported databases are SAP HANA, SAP MaxDB, or SAP ASE) and upgrade the system to the minimum required versions.

Components for hub deployment for SAP S/4HANA 2025:

- **Frontend**:
  - Optional UI components (HR, Travel, MDG)
  - SAP Fiori for SAP S/4HANA 2025
  - SAP Fiori front-end server 2025 for SAP S/4HANA
  - SAP_UI 8.16
  - SAP Gateway 8.16
- **Backend**:
  - SAP S/4HANA 2025
  - SAP Gateway 8.16
  - ABAP Platform 2025 (part of SAP S/4HANA 2025)

For more information, see:

- *SAP Fiori Overview* at https://help.sap.com/s4hana_op_2025 ▶ *Product Assistance* ▶ *English* ▶ *Related Information* ▶ *SAP S/4HANA and SAP S/4HANA Cloud Private Edition* ▶ *Enterprise Technology* ▶ *SAP Fiori* ▶.
- SAP Note 2590653

## 7.5 User Assistance Settings

The following sections describe how to enable context-sensitive user assistance and back-end help links for SAP S/4HANA.

Once you have correctly configured the help settings, the context-sensitive user assistance will be available on the SAP Fiori launchpad and back-end help links to the product assistance will work.

To test whether you have correctly configured the context-sensitive user assistance, choose the question mark icon on the SAP Fiori launchpad homepage.

If content is displayed, everything is correctly configured and all available content, such as static help or guided tours, will be visible.

### 7.5.1 Enable Context-Sensitive User Assistance and Back-End Help Links

> **Note**
>
> In an embedded deployment scenario, you can run this task as part of the automatic tasklist *SAP Fiori - Initial Setup for Fiori Applications S/4* (`SAP_FIORI_FOUNDATION_S4`). This is only possible if you have implemented SAP Note 2712785.
>
> In a hub deployment scenario, you have to run transaction `SHELP_CONFIG` manually and perform additional manual steps. For details, see Additional Manual Steps in a Hub Deployment Scenario [page 28].

To make context-sensitive user assistance available in the SAP Fiori launchpad and to enable back-end help links, proceed as follows:

1.) Run transaction `SHELP_CONFIG` (*Configure Help Settings*).

2.) Select the relevant scope in *Settings for*: *Front End*, *Back End*, or *Both*.

Depending on what you select, the sections *General Settings*, *Front-End Settings*, and *Back-End Settings* are displayed with prefilled fields.

#### General Settings

| Field | Value | Additional Information |
|---|---|---|
| Product | SAP_S4HANA_ON-PREMISE (for SAP S/4HANA) or SAP_S4HANA_CLOUD_PE (for SAP S/4HANA Cloud Private Edition) | n/a |

| Field | Value | Additional Information |
| --- | --- | --- |
| Version | 2025.latest | If you wish to link to user assistance for a **specific** release (for example to the version for SAP S/4HANA 2025 FPS00), please see SAP Note 3576822. We recommend, however, to link to the latest version as this ensures that you receive the most up-to-date documentation. |

## Front-End Settings

### SAP Companion

| Field | Value | Additional Information |
| --- | --- | --- |
| RFC Destination | <blank> | This field only appears if you select *Hub Deployment*.<br>If you do, you have to enter a suitable RFC connection into the field to establish a connection to the relevant front-end system. |
| Without Web Dispatcher | Yes | We recommend the configuration without Web Dispatcher, but if you are already using SAP Web Dispatcher, you can also make the settings there, as described in the chapter *Setting Up SAP Web Dispatcher* of the *SAP Companion Integration Guide* (see https://help.sap.com/docs/SAP_ENABLE_NOW?version=2503#implement_task-sap-companion). |
| Learning App Backend URL | <blank> | If you want to display your own learning content to users of the system, maintain the relevant server URL here. |
| Learning App Workspace | <blank> | If you want to display your own learning content to users of the system, maintain the relevant workspace here. |
| SAP Community URL | `https://community.sap.com/topics/s4hana` | n/a |

| Field | Value | Additional Information |
| --- | --- | --- |
| URL for In-App Help | `https://help.sap.com/webassistant` | n/a |
| Show Short Description | No | n/a |
| F1 Help From Back End | Yes | When this value is set to *Yes*, the F1 help from the back end is displayed for UI5, SAP GUI for HTML and Web Dynpro ABAP apps. |

## WalkMe

In addition to the current user experience for in-app help, SAP S/4HANA supports a WalkMe-based alternative.

The **WalkMe-based alternative user experience for in-app help** will not automatically be available in your system.

The fields for the WalkMe configuration are empty by default. To activate WalkMe, fill in the server addresses listed below according to the location of your system.

To deactivate WalkMe, leave the fields empty and execute SHELP_CONFIG again.

Enabling the WalkMe-based alternative in-app help user experience changes the display of in-app help. It will also change what type of in-app help will be displayed. For example, new WalkMe-based content will be displayed in addition to the existing in-app help content, and at the same time some existing content will no longer be available, or will be displayed differently. For more information, see SAP Note 3634154.

| Field | Value | Additional Information |
| --- | --- | --- |
| WalkMe Plugin URL | `https://cdn-eu01.walkme.cloud.sap/SAP/loader`<br>or<br>`https://cdn-us01.walkme.cloud.sap/SAP/loader` | Provides the URL of the SAP Fiori launchpad Plugin for WalkMe Digital Adoption Platform.<br>If your system is located in the European Union, enter the "eu" server address. Otherwise, enter the "us" server address. |

| Field | Value | Additional Information |
| --- | --- | --- |
| WalkMe System URL | `https://cdn-eu01.walkme.cloud.sap/users/7d7fc0d0bc1f4785a478be5edb1b8003/walkme_7d7fc0d0bc1f4785a478be5edb1b8003_https.js`<br>or<br>`https://cdn-us01.walkme.cloud.sap/users/9d551ce802c6497681eed7b2c66c9492/walkme_9d551ce802c6497681eed7b2c66c9492_https.js` | Provides the URL for the content of the WalkMe Digital Adoption Platform used for standard help content.<br>If your system is located in the European Union, enter the "eu" server address. Otherwise, enter the "us" server address. |

## Back-End Settings

| Field | Value |
| --- | --- |
| Language | EN,DE<br>**Note**<br>You can configure additional installed languages for displaying the product assistance.<br>For details on the relevant language codes, see 3445428. |
| Fallback ID | 2C0E7C571FBEB576E10000000A4450E5 |
| Server | `https://help.sap.com/http.svc/ahp2` |
| Path<br>**Note**<br>You cannot manually change the value of this field, as it is generated based on the product and version values. | `SAP_S4HANA_ON-PREMISE/2025.latest`<br>or<br>`SAP_S4HANA_CLOUD_PE/2025.latest` |

3.) Modify the values if required.

4.) Execute the report.

## Result

Depending on your deployment scenario, the settings in transactions `/UI2/FLP_CUS_CONF` and/or `SR13` are configured with the values maintained in the report.

## Technical Details

The following settings are maintained by default in transaction `/UI2/FLP_CUS_CONF` when executing the report:

FLP Configuration

| FLP Property ID | Property Value | Description |
|---|---|---|
| ENABLE_HELP | true | This setting is a prerequisite for the context-sensitive help to work with the SAP Fiori launchpad. |

WEB_ASSISTANT_HELP_PLUGIN

| FLP Property ID | Property Value | Description |
|---|---|---|
| BUTTON_LOCATION | head | The help button is displayed in the SAP Fiori launchpad header. |
| NO_HELP_MODE | carousel | The help button and panel are always displayed, even if no content is available. |

In transaction `SR13`, entries are created based on the defined server, path, and languages. For each language, entries for the areas `XML_DOCU` and `IWBHELP` and the most common platforms (such as `ITS` and `WN32`) are created.

## Additional Manual Steps in a Hub Deployment Scenario

To enable the user assistance in a hub deployment scenario, you have to perform the following additional steps.

1. In the frontend system, publish the service group `S_APS_SD_DOC_HLP` and establish a connection to the backend system.
   For more information, go to https://help.sap.com/s4hana_op_2025, enter *Service Group Publishing* into the search bar, press `Enter`, and open the search result with that title.
2. Ensure that the users accessing the user assistance have the authorization object `S_START` assigned for this service.

### Result

The question mark for in-app help will be displayed and help links to the product assistance resolve correctly in the relevant front-end system.

## 7.6 Installation of the PI Adapters for Elster and Swift

The Advanced Adapter Engine Extended (AEX) is required for the installation of the Process Integration Adapters for Elster and Swift. AEX is part of SAP S/4HANA as described in the section Product Information [page 12]. For more information about Elster and Swift, see also SAP Notes 1802839 and 1064419.

You have the following two options how to install the Elster/Swift adapters:

### 1 Installation from DVD

With this option, you copy the archives from the DVD location `\S4HANA10JAVA\DATA_UNITS\S4_JAVA` to the directory `/usr/sap/trans/EPS/` and use the Software Update Manager (SUM) to deploy the files using the option *Manually prepared directory*.

For more information how to use the SUM tool, see SUM guides at https://support.sap.com/sltoolset *System Maintenance* > *System Maintenance Scenarios* > *Software Update/Upgrade using SUM* > *Guides for SUM 2.0 <latest SP>*. Select the guide according to your operating systems and database.

### 2 Installation with Maintenance Planner

With this option, you use Maintenance Planner to generate a stack XML file with the Elster and Swift support package stack information that you then hand over to the Software Update Manager (SUM) tool.

You access the Maintenance Planner tool and its *User Guide* at http://help.sap.com/maintenanceplanner.

## 7.7 Creating RFC Destinations for liveCache Applications

You use this procedure to use liveCache across clients, for example, to initialize liveCache correctly.

1. Create a user with the following authorizations in all production clients:
   - Cross-application AAAB authorization objects
     Authorization object: S_TCODE Value: SE38
     Authorization object: S_RFC Activity: 16
     Name of RFC object to be protected : /SAPAPO/DM_LC_SYNC, SYST

Type of RFC object to be protected : FUGR

- Basis development environment BC_C
  Authorization object: S_DEVELOP Value: 03, 16
  Authorization object: S_PROGRAM
  User action ABAP/4 program : *
  Authorization gr.ABAP/4 program : (no input necessary)
- Basis administration BC_A
  Authorization object: 'S_BTCH_JOB'
  User action: 'RELE'

> ### Note
>
> Ensure that the user no longer has the initial password in any of the clients.

2. In each client, create a RFC destination by performing the following substeps:
   1. Start transaction SM59.
   2. Choose *Create*.
3. Add a **`CLNT`** string and the client number (for example, "678") to your system ID (for example, "XYZ") to determine the connection name.

   > ### Note
   >
   > This constitutes the connection name (for example, "XYZCLNT678"). You must adhere to this naming convention as ABAP does not recognize other names, for example, "XYZMAND678", and causes errors. If there is already a connection with the same destination but a different name, you must still create the connection as described. ".
4. Enter the connection name in RFC destination.
5. As a connection type, choose "3" (= SAP S/4HANA backend system destination or connection to the ABAP system).
6. Enter a description for the destination.
7. In the *Logon* section, enter the user credentials of the user created in this client in step 1.

   > ### Note
   >
   > Ensure that the password is no longer initial, and do not select **Current User**.
8. Save the changes.

## Verifying the Above Steps

To check that you have carried out all the steps correctly, choose *Remote Login*.

The system should display an SAP S/4HANA backend system window, but not an SAP S/4HANA backend system logon screen. If the system displays an SAP S/4HANA backend system logon screen, check if all steps above were performed correctly, you should check whether or not the user is actually available in this client (in particular). This test is not possible with an RFC destination with a CPIC user.

> ### Note
>
> You create the same user in each client only once. You must, however, ensure that the clients of the destination and user match. The user may also be a CPIC user. The authorization "Authorization object:

S_TCODE Value: SE38" and similar should be assigned here also. You should also check if you can implement SAP Note 536291.

## 7.8 Follow-Up Activities for Advanced Variant Configuration

### Execute the Report VCH_MASS_MAINTENANCE

You use this report for the initial preparation of your variant configuration data for SAP S/4HANA Advanced Variant Configuration. For information about how to use the report, see the system documentation in transaction SE38 or SE80, click on the *Goto* menu, and select *Documentation*.

### Post-Installation Steps for VCH AFL

An Application Function Library (AFL) extends the SAP HANA Database with functions required for business applications – specifically, the VCH AFL (Variant Configuration on SAP HANA) extends the SAP HANA Database with functions to run SAP S/4HANA Advanced Variant Configuration. After you have installed VCH AFL (SAP VCH AFL 2021.00), you need to do some post-installation steps for the VCH AFL described in SAP Note 2987015

> **Note**
>
> For information about the installation of this component, see Installation Documentation [page 9]: *SAP HANA Server Installation and Update Guide*.

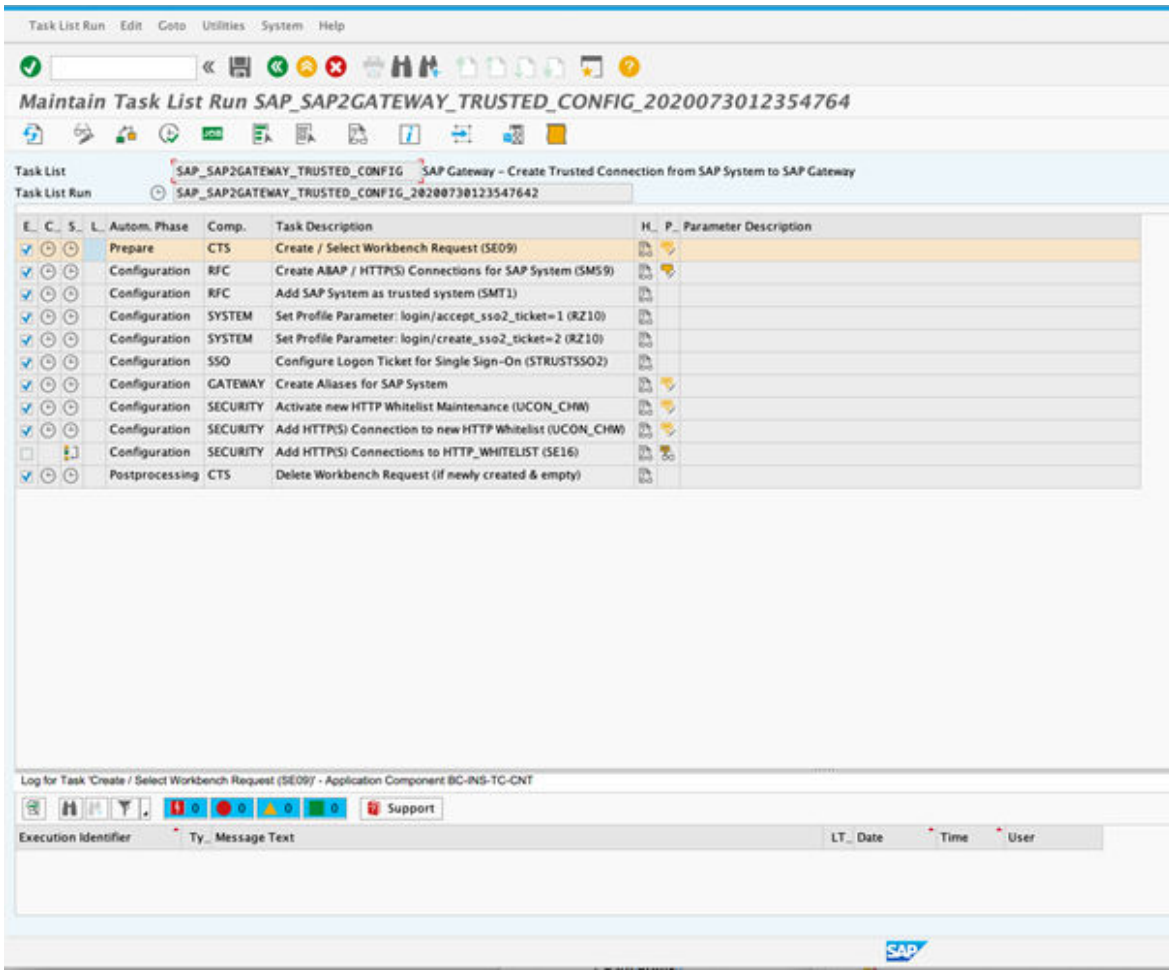
### AVC Post-Installation Steps

Depending on the chosen deployment variant, there are additional installation steps for Advanced Variant Configuration (For more information about the deplaoyment variants, see https://help.sap.com/s4hana_op_2025 *Use* > *Product Assistance* > *English* > *SAP S/4HANA* > *SAP Fiori Overview* > *Discover SAP Fiori* > *SAP Fiori Technology* > *SAP Fiori Deployment Options* ). The following tasks need to be applied in case of a hub-deployment scenario – independent of an optional web dispatcher usage. In case of an embedded-deployment scenario, it is assumed that the 'Rapid Activation of SAP Fiori' has taken place (tasklist: SAP_GW_FIORI_ERP_ONE_CLNT_SETUP). For more information, see https://help.sap.com/s4hana_op_2025 *Use* > *Product Assistance* > *English* > *SAP S/4HANA* > *SAP Fiori Overview* > *Set up and Configure SAP Fiori* > > *Configuration of SAP Fiori Infrastructure* > *ConfigurationUsing Automatic Task Lists* > *Embedded Deployment of SAP Fiori Front-End Server (Recommended)* > *Rapid Activation of SAP Fiori* .

### Configuring SAP Fiori Alias

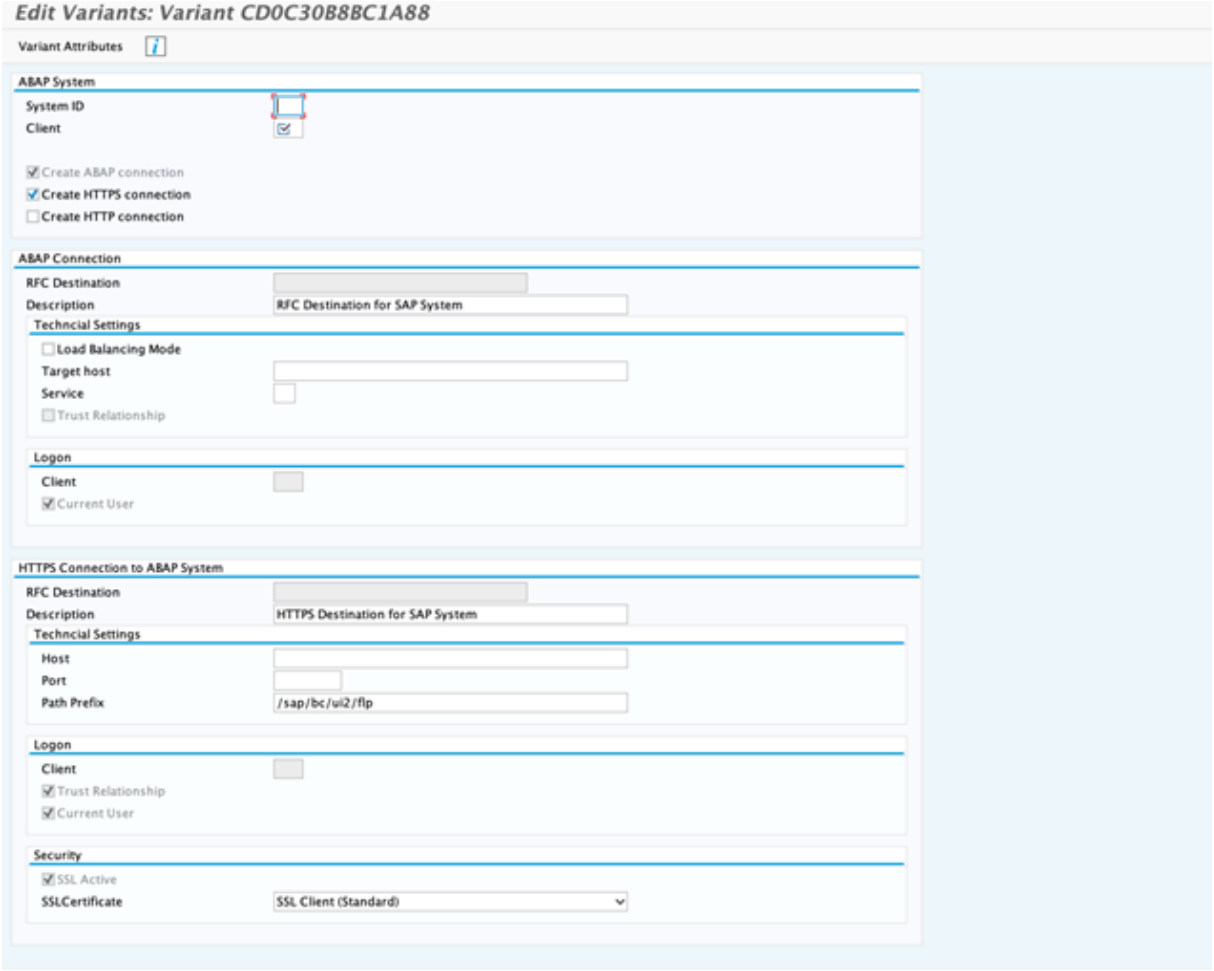
The SAP Fiori alias configuration is necessary for the embedded SAP Fiori Launchpad in SAP GUI or WebGUI to run the AVC SAP Fiori Application. It must be determined which ABAP system acts as a provider for the SAP Fiori Launchpad.

1. Run transaction `stc01` in the backend system.
2. Create a tasklist run for `SAP_SAP2GATEWAY_TRUSTED_CONFIG`.




3. Maintain parameters for step 2 – Create ABAP / HTTP(S) Connections for SAP System (SM59) as described in the following table.

> **Note**
>
> For obtaining host and port, the transaction `smicm` (list services) can be used. The instance number can be read from the profile – transaction `rz10`.

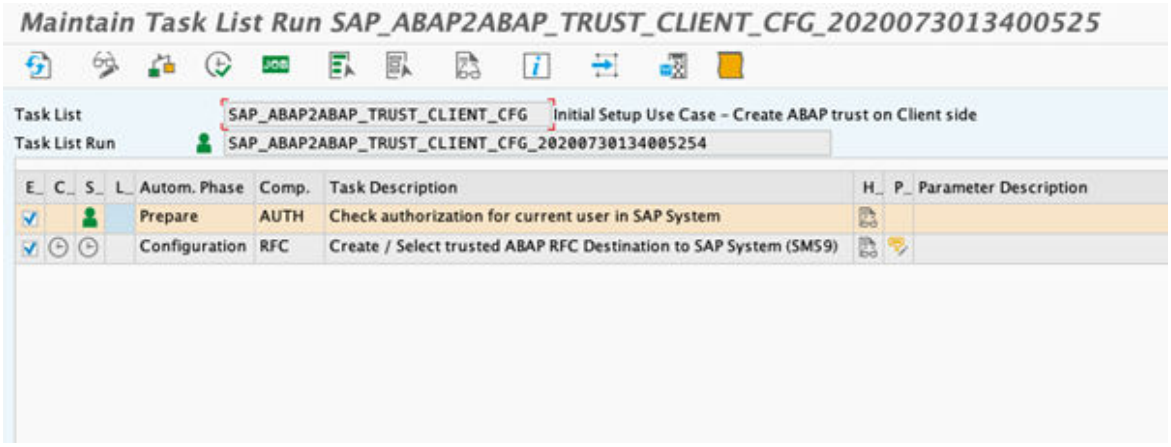



| | With WebDispatcher | Without Web Dispatcher |
|---|---|---|
| **ABAP System** | | |
| System ID | FRONTEND SID | |
| Client | FRONTEND CLIENT | |
| Create HTTPS connection | TRUE | |
| Create HTTP connection | FALSE | |
| **ABAP Connection** | | |
| Load balancing mode | FALSE | |
| Target host | FRONTEND HOST | |
| Service | FRONTEND INST NR | |

| HTTPS Connection to ABAP System | | |
|---|---|---|
| Host | WEB DISP HOST | FRONTEND HOST |
| Port | WEB DISP SSL PORT | FRONTEND SSL PORT |
| Path prefix | /sap/bc/ui2/flp | |

### Trusted RFC Connection

1. Start transaction `stc01` in the backend system.
2. Create a tasklist run for `SAP_ABAP2ABAP_TRUST_CLIENT_CFG`.

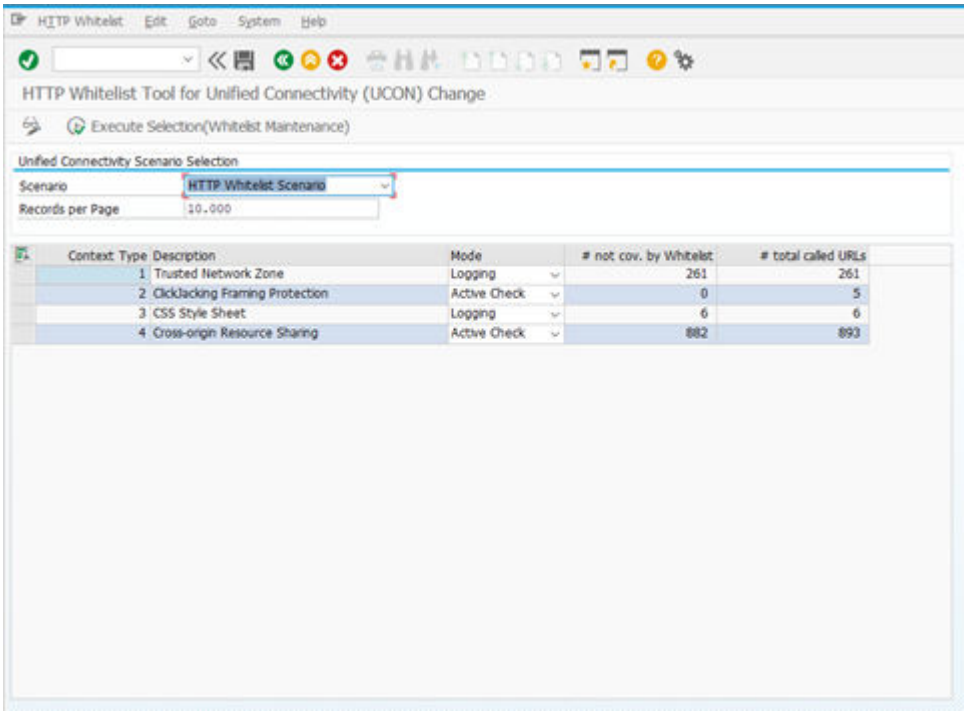



3. Maintain parameters for step 2 – Create / Select trusted ABAP RFC Destination to SAP System (SM59).
4. Select the RFC destination created before `<FRONTEND_SID>CLNT<FRONTEND_CLIENT>_RFC`.
5. Perform the manual steps for the authorization check as described.

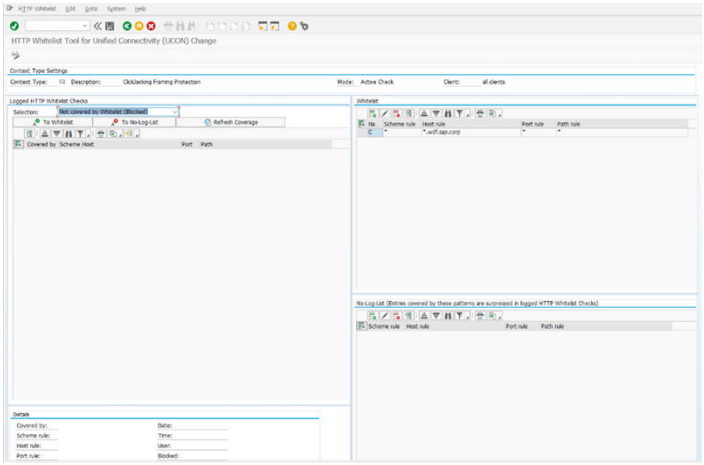
### HTTP Whitelist Maintenance on Frontend

The HTTP whitelist can be maintained using transaction `se16` for editing table `HTTP_WHITELIST` or transaction `uconcockpit`. Be aware that when switching to `uconcockpit`, the old table maintenance can no longer be used. The following section describes the procedure using `uconcockpit`.

1. Start transaction `uconcockpit`.
2. Select *HTTP Whitelist Scenario* from the dropdown list.




3. Go to menu ▶ *HTTP Whitelist* ▶ *Setup* ▶.
4. Activate clickjacking protection by selecting the option *Activate Clickjacking Protection (Context Type 02) for all clients (recommended)*.
5. Enter the detail screen for context type 02 (Clickjacking Frame Protection) by double-clicking it.

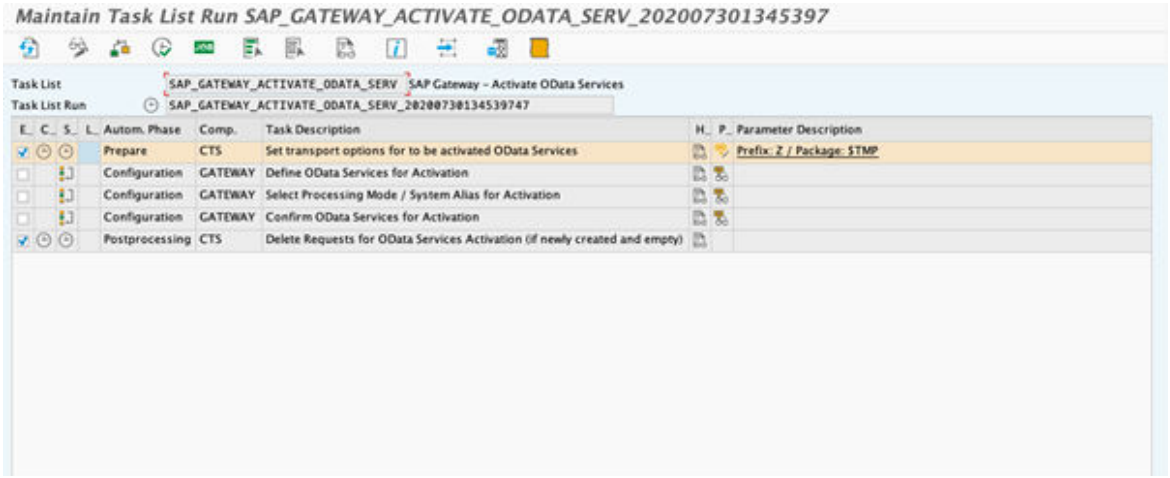


6. Enter a new entry on the right side of the screen with the following data:

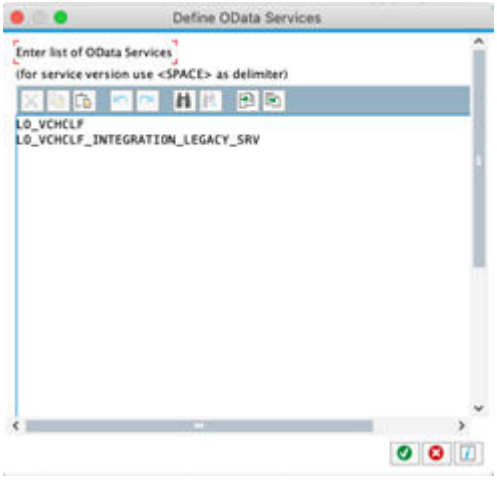
| Schema Rule | Host Rule | Post Rule | Path RUle |
|---|---|---|---|
| *or HTTPS | Backend host | *or SSL Port | * |

## Activation of OData Services

1. Start transaction `stc01` in the frontend system.
2. Create a tasklist run for `SAP_GATEWAY_ACTIVATE_ODATA_SERV`.




3. Maintain parameters for step 2 – Define OData Services for Activation.
4. Enter the services: `LO_VCHCLF` and `LO_VCHCLF_INTEGRATION_LEGACY_SRV`.




5. Maintain parameters for step 3 – Select Processing Mode / System Alias for Activation.
6. Choose the settings depending on the deployment variant from the following table:

| | With or Without Web Dispatcher |
|---|---|
| Processing Mode | Routing-Based |
| System Alias | Select Alias of Frontend -> Backend connection |

## 7.9 Follow-Up Activities for Analytics and Planning

To enable the use of Analytics with SAP S/4HANA, you need to set up the Analytic Engine. For information how to do so, see SAP Note 2289865.

With SAP S/4HANA 2022 FPS01, there's a change in the required configuration for Embedded Analytics in a hub deployment: the front-end gateway server differs from the back-end server. You can find a description of the configuration in the following note: 3205494.

This configuration is mandatory for all UIs that use InA as communication protocol, for example, the deprecated Design-Studio-based applications. For more information, see https://help.sap.com/s4hana_op_2025 ▶ *Use* ▶ *Product Assistance* ▶ *English* ▶ *Related Information* ▶ *SAP S/4HANA and SAP S/4HANA Cloud Private Edition* ▶ *Cross Components* ▶ *Analytics* ▶ *Multidimensional Reports (Web Dynpro Apps)* ▶ *Design Studio Apps* ▶ and SAP Note 3170381.

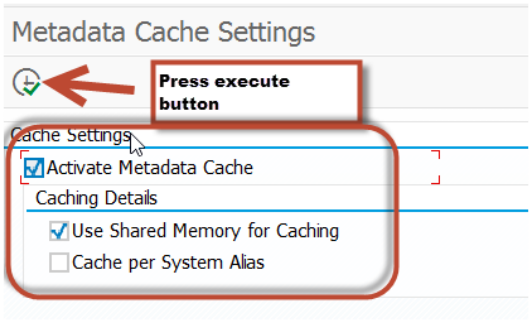
# 7.10 Follow Up Activities in Master Data Governance

## Gateway Buffering in Test Systems

To avoid very slow performance, the metadata cache and usage of shared memory for caching options need to be activated. In productive systems, metadata caching is active by default. However, if you are working in test systems you have to activate the Gateway metadata caching (buffering) manually. These settings have to be performed on the frontend system where the Gateway server is installed.

To manually activate these settings, in a test system, you do the following:

1. Go to the Gateway system with transaction /IWFND/MED_ACTIVATE, or in Customizing by the IMG path ▶ *SAP NetWeaver* ▶ *SAP Gateway* ▶ *OData Channel* ▶ *Administration* ▶ *Cache Settings* ▶ *Metadata* ▶ *Activate or Deactivate Cache.* ▶
2. Select the *Activate Metadata Cache* check box
3. Select the *Use Shared Memory for Caching* check box




Manually Applying Settings

## 7.11 Follow-Up Activities for Environment, Health, and Safety

After the installation, you need to carry out the following activities for *Environment, Health, and Safety*:

- In transaction `SICF`, activate all EHFND*, EHENV*, and EHHSS* WebDynpro services below the node `/default_host/sap/bc/webdynpro/sap/`.
- Activate the SAPUI5 application handler on the path `/default_host/sap/bc/ui5_ui5` and on the path `/default_host/sap/public/bc/ui5_ui5`.
- Copy the delivered Customizing from client 000 into your other clients.
- Configure the relevant settings in the Customizing activities for *Environment, Health, and Safety* under *Foundation for EHS* and under *Incident Management*, *Health and Safety Management*, *Occupational Health*, or *Environment Management*.
- Run report `R_EHFND_CHEM_PROP_MIGRATION` to migrate the chemical properties defined in Customizing activity *Specify Chemical Properties* under *Master Data Configuration* to the content of the *Chemical/Physical Property* business object. More details are available in the report documentation and SAP Note 3127655.
- Schedule and run batch job `SAP_EHFND_PC_CONTENT_LOAD`. You can do this in the Customizing activity under *Product Compliance* → *Foundation for Product Compliance* → *Product Compliance Background*

*Processing* → *Activation of Scope-Dependent Background Job Definitions*. This will load the necessary regulatory content and product categorization data to allow you to create new materials. For more information, you can also see Chapter 10.7.3.1.3 *Scheduled Periodic Tasks* in the Operations Guide for SAP S/4HANA 2022.

> **Note**
>
> In SAP S/4HANA, a new identity model for business users was introduced. You need to create business users before you can use the functions in *Environment, Health, and Safety*.
>
> For more information about creating business users, see SAP Note 2570961.

## 7.12 Follow-Up Activities for Management of Change

After the installation, you need to carry out the following activities for Management of Change:

- In transaction `SICF`, activate the following WebDynpro services below the node `/default_host/sap/bc/webdynpro/moc/`:
  - `WDA_ACTIVITY`
  - `WDA_ACTIVITY_CHANGE_LOG`
  - `WDA_CHANGE_REQUEST`
  - `WDA_CHGREQ_CHANGE_LOG`
- Also activate the following services:
  - NWBC runtime node on the path `/default_host/sap/bc/nwbc`.
  - SAPUI5 application handler on the path `/default_host/sap/bc/ui5_ui5` and on the path `/default_host/sap/public/bc/ui5_ui5`.
- Copy the delivery Customizing from client 000 into your other clients.
- Make the relevant settings in the Customizing activities for Management of Change under *Cross-Application Components* > *Management of Change*.
- Example Customizing is delivered with the hierarchical BC set `/MOC/EXAMPLE_CUSTOMIZING`.

## 7.13 Follow-Up Activities for Enterprise Portfolio and Project Management

## 7.13.1 Follow-Up Activities for SAP Portfolio and Project Management

### Navigation

To enable the navigation, carry out the following manual steps:

1. Maintain the Customizing settings in SAP Portfolio and Project Management under *Portfolio Management* > *Global Customizing* > *Process and Service Settings* > *Navigation Settings*. SAP delivers the Customizing entries as standard in the Customizing client.
2. From the delivery client, copy the data from the Customizing tables mentioned below using transaction `/n/RPM/CUST_COPY`:
   - `/RPM/DASH_PERS`: Dashboard Customization
   - `/RPM/DASH_ROLE`: Dashboard Attributes Override Table
   - `INM_NAV_CTX`: INM Navigation Context
   - `INM_NAV_CTX_W`: INM Navigation Context Workcenter
   - `INM_NAV_INF_W`: INM Navigation Information
3. Manually adjust and compare the Customizing data with the delivery client using transaction `SCU0`.
4. Initially all dashboard fields are displayed as standard fields. With this, it is not possible to navigate to the object windows. To activate the links to the object windows, select the *Link* checkbox in Customizing for SAP Portfolio and Project Management under *Portfolio Management* > *Global Customizing* > *Global Field Settings* > *Dashboard Settings* > *Define Fields for Dashboards*.
   You can also copy the Customizing for the dashboards by copying `/RPM/DASHBOARD` using transaction `/n/RPM/CUST_COPY`.

   > ⚠ Caution
   >
   > This transaction copies the standard Customizing for all dashboards and invalidates all customer-specific Customizing for the dashboards. Object-type-specific copying is not supported by transaction /n/RPM/ CUST_COPY.

## 7.13.2 Follow-Up Activities for Commercial Project Management

### 7.13.2.1 Overall Implementation Sequence

This section describes the implementation sequence for Project Workspace, Project Cost and Revenue Planning, and Project Issue and Change Management.

The Release Information Note (SAP Note 3624023) contains important information and references related to Commercial Project Management. Based on your business needs, you can choose one of the following component combinations as a deployment option:

| Deployment Option | Project Workspace | Project Cost and Revenue Planning | Project Issue and Change Management | SAP BusinessObjects Analysis for Microsoft Office (Analysis Office) | Web Dynpro Application |
|---|---|---|---|---|---|
| Option 1 | x | x | x | x | |
| Option 2 | x | x | | x | x |
| Option 3 | x | | x | x | |
| Option 4 | x | | | x | |

> **Note**
>
> By default, Web Dynpro Applications are available for planning and forecasting. Alternatively, Workbooks can be used or Lumira pages can be developed. Sample workbooks are delivered as front-end applications for planning. These sample workbooks require Analysis Office and use the delivered BW-IP content.
>
> As an alternative, you may build your own front-end application using SAP Lumira. Please note that no sample application is delivered by default. For more information, see SAP Lumira. On this page, search for *Application Designer Guide: Designing Analysis Applications* and then navigate to *Creating Planning Applications*.

#### Option 1

Install Project Workspace, Project Cost and Revenue Planning, and Project Issue and Change Management with Analysis Office (AO):

1. Activate the `/CPD/CA_CPD_PWS_1` business function (see transaction SFW5 ▶ *Enterprise Business Functions* ▶ */CPD/CA_CPD_PWS_1* ▶).

   > **Note**
   >
   > The activation of the business function `OPS_PS_CI_1` is a prerequisite for working with Project System (PS) projects. If you choose to do so, you must ensure that Project System (PS) is also available on the same application server.

2. Activate the `/CPD/CA_CPD_PFP_1` business function (see transaction SFW5 ▶ *Enterprise Business Functions* ▶ */CPD/CA_CPD_PFP_1* ▶).
3. Activate the `/PICM/CA_CPD_PICM_1` business function (see transaction SFW5 ▶ *Enterprise Business Functions* ▶ */PICM/CA_CPD_PICM_1* ▶).
4. Install NWBC for Desktop (optional).
5. If you wish to use workbooks as the front-end, install Analysis Office (see SAP note 3624023).
6. Enable *Planning Application Kit* (PAK) (optional).
   **Procedure**
   1. Get the latest information posted in SAP note 1637199.
   2. In the back-end system, launch table/view maintenance (transaction SM30).
   3. Enter `RSPLS_HDB_ACT` in the table/view field and choose *Maintain*.
   4. Choose *New Entries*.
   5. In the *HANA Integratn. Active* column, select *Deep HANA Integration Active*; and in the *Functn. Active* column, select the checkbox.
7. Commercial Project Management uses the BW layer that is available in each NetWeaver stack.

   > ⚠ Caution
   >
   > Project Cost and Revenue Planning uses BW Integrated Planning (BW-IP), which uses real-time InfoCubes to capture data generated through input-ready queries and planning functions. Therefore, only a configuration of the local BI client is required (and not an additional BI system).

   For setting up Project Cost and Revenue Planning, see SAP note 2363617.
8. You must activate the analytics content under info-areas `/CPD/AVR` and `/PICM/AVR`. For information about setting up Analytics, see SAP Note 2373146.
9. To link generated SQL views of CDS views to HANA views, implement SAP Note 2902786.
10. You must follow these steps to enable delivery customizing in the relevant clients:
    1. Go to transaction `SFW_BROWSER`.
    2. Expand the business function `/CPD/CA_CPD_PWS_1`.
    3. Double-click on switch `/CPD/CA_CPD_SFWS_PWS_1` to implement BC set activation.
    4. Choose the *Activate Dependent BC Sets* button.
    5. In the dialog box, select *Activate Switch BC Sets* and choose *Continue*.
    6. In the next dialog box, select the following:
       1. *Only Logon client for Cascading BC Sets*
       2. *Activate in logon client for Non-Cascading BC sets*
       3. *Activate for Cross-Client BC sets*
       4. Select the checkboxes to ignore previous activations and ignore table delivery class for a new installation.
    7. Repeat the BC set activation steps for the switch `/CPD/CA_CPD_SFWS_PWS_S4_1`.
    8. Expand the business function `/CPD/CA_CPD_PFP_1`.
    9. Repeat the BC set activation steps for the switch `/CPD/CA_CPD_SFWS_PFP_1`.
    10. Expand the business function `/PICM/CA_CPD_PICM_1`.
    11. Repeat the BC set activation steps for the switch `/PICM/CA_CPD_SFWS_PICM_1`.
11. Check and activate SICF services as follows:
    1. Go to transaction `SICF`.
    2. Choose *Execute*.

3. Go to *default host* > *sap* > *bc* > *webdynpro*.
4. Ensure that all services under the `cpd` node are active.
5. Ensure that all services under the `picm` node are active.

12. BRF+ framework is used within analytics and in the processing of change requests in Project Issue and Change Management. Import the BRF+ customizing application as follows:
    - **Client 000**
      1. Run the report `FDT_TRANS`.
      2. Provide the relevant customizing request.
      3. Enter the object ID as `38EAA71741841EE59EFAD4B491883514` (optional, to be performed only if the KPIs are calculated via BRF+) .
      4. Enter the object ID as `F0D5105146757029E10000000A42852B`.
      5. Enter the object ID as `A530A54FF1281963E10000000A42852B`.
      6. Select the *Transport Whole Application(s)* radio button.
    - **Productive Client**
      1. Launch the transaction `SCC1`.
      2. Enter the source client as `000`.
      3. Provide the transport request in which you have transported the application (from client 000).
      4. Select the *Include Tasks in Requests* checkbox.
      5. Execute the transaction.

## Option 2

Install Project Workspace and Project Cost and Revenue Planning with Analysis Office (AO):

1. Activate the `/CPD/CA_CPD_PWS_1` business function (see transaction SFW5 > *Enterprise Business Functions* > */CPD/CA_CPD_PWS_1*).

   > **Note**
   >
   > The activation of the business function `OPS_PS_CI_1` is a prerequisite for working with Project System (PS) projects.

2. Activate the `/CPD/CA_CPD_PFP_1` business function (see transaction SFW5 > *Enterprise Business Functions* > */CPD/CA_CPD_PFP_1*).
3. Install NWBC for Desktop (optional).
4. If you wish to use workbooks as the front-end, install Analysis Office (see SAP note 3624023).
5. Enable *Planning Application Kit* (PAK) (optional).
   Procedure
   1. Get the latest information posted in SAP note 1637199.
   2. In the back-end system, launch table/view maintenance (transaction SM30).
   3. Enter `RSPLS_HDB_ACT` in the table/view field and choose *Maintain*.
   4. Choose *New Entries*.
   5. In the *HANA Integratn. Active* column, select *Deep HANA Integration Active*; and in the *Functn. Active* column, select the checkbox.
6. Commercial Project Management uses the BW layer that is available in each NetWeaver stack.

> ⚠ Caution
>
> Project Cost and Revenue Planning uses BW Integrated Planning (BW-IP), which uses real-time InfoCubes to capture data generated through input-ready queries and planning functions. Therefore, only a configuration of the local BI client is required (and not an additional BI system).

For setting up Project Cost and Revenue Planning, see SAP note 2363617.

7. You must activate the analytics content under info-area `/CPD/AVR`. For information about setting up Analytics, see SAP Note 2373146.
8. To link generated SQL views of CDS views to HANA views, implement SAP Note 2902786.
9. You must follow these steps to enable delivery customizing in the relevant clients:
    1. Go to transaction `SFW_BROWSER`.
    2. Expand the business function `/CPD/CA_CPD_PWS_1`.
    3. Double-click on switch `/CPD/CA_CPD_SFWS_PWS_1` to implement BC set activation.
    4. Choose the *Activate Dependent BC Sets* button.
    5. In the dialog box, select *Activate Switch BC Sets* and choose *Continue*.
    6. In the next dialog box, select the following:
        1. *Only Logon client for Cascading BC Sets*
        2. *Activate in logon client for Non-Cascading BC sets*
        3. *Activate for Cross-Client BC sets*
        4. Select the checkboxes to ignore previous activations and ignore table delivery class for a new installation
    7. Repeat the BC set activation steps for the switch `/CPD/CA_CPD_SFWS_PWS_S4_1`.
    8. Expand the business function `/CPD/CA_CPD_PFP_1`.
    9. Repeat the BC set activation steps for the switch `/CPD/CA_CPD_SFWS_PFP_1`.
10. Check and activate SICF services as follows:
    1. Go to transaction `SICF`.
    2. Choose *Execute*.
    3. Go to *default host* > *sap* > *bc* > *webdynpro*.
    4. Ensure that all services under the `cpd` node are active.
11. BRF+ framework is used within analytics. Import the BRF+ customizing application as follows (optional, to be performed only if the KPIs are calculated via BRF+):
    - **Client 000**
        1. Run the report `FDT_TRANS`.
        2. Provide the relevant customizing request.
        3. Enter the object ID as `38EAA71741841EE59EFAD4B491883514`.
        4. Select the *Transport Whole Application(s)* radio button.
    - **Productive Client**
        1. Launch the transaction `SCC1`.
        2. Enter the source client as `000`.
        3. Provide the transport request in which you have transported the application (from client 000).
        4. Select the *Include Tasks in Requests* checkbox.
        5. Execute the transaction.

## Option 3

Install Project Workspace and Project Issue and Change Management with Analysis Office (AO):

1. Activate the `/CPD/CA_CPD_PWS_1` business function (see transaction SFW5 ▶ *Enterprise Business Functions* ▶ */CPD/CA_CPD_PWS_1* ▶).

   > **Note**
   >
   > The activation of the business function `OPS_PS_CI_1` is a prerequisite for working with Project System (PS) projects.

2. Activate the `/PICM/CA_CPD_PICM_1` business function (see transaction SFW5 ▶ *Enterprise Business Functions* ▶ */PICM/CA_CPD_PICM_1* ▶).
3. Install NWBC for Desktop (optional).
4. If you wish to use workbooks as the front-end, install Analysis Office (see SAP note 3624023).
5. You must activate the analytics content under info-areas `/CPD/AVR` and `/PICM/AVR`. For information about setting up Analytics, see SAP Note 2373146.
6. To link generated SQL views of CDS views to HANA views, implement SAP Note 2902786.
7. You must follow these steps to enable delivery customizing in the relevant clients:
   1. Go to transaction `SFW_BROWSER`.
   2. Expand the business function `/CPD/CA_CPD_PWS_1`.
   3. Double-click on switch `/CPD/CA_CPD_SFWS_PWS_1` to implement BC set activation.
   4. Choose the *Activate Dependent BC Sets* button.
   5. In the dialog box, select *Activate Switch BC Sets* and choose *Continue*.
   6. In the next dialog box, select the following:
      1. *Only Logon client for Cascading BC Sets*
      2. *Activate in logon client for Non-Cascading BC sets*
      3. *Activate for Cross-Client BC sets*
      4. Select the checkboxes to ignore previous activations and ignore table delivery class for a new installation.
   7. Repeat the BC set activation steps for the switch `/CPD/CA_CPD_SFWS_PWS_S4_1`.
   8. Expand the business function `/PICM/CA_CPD_PICM_1`.
   9. Repeat the BC set activation steps for the switch `/PICM/CA_CPD_SFWS_PICM_1`.
8. Check and activate SICF services as follows:
   1. Go to transaction `SICF`.
   2. Choose *Execute*.
   3. Go to ▶ *default host* ▶ *sap* ▶ *bc* ▶ *webdynpro* ▶.
   4. Ensure that all services under the `cpd` node are active.
   5. Ensure that all services under the `picm` node are active.
9. BRF+ framework is used within analytics and the processing of change requests in Project Issue and Change Management. Import the BRF+ customizing application as follows:
   - **Client 000**
     1. Run the report `FDT_TRANS`.
     2. Provide the relevant customizing request.
     3. Enter the object ID as `38EAA71741841EE59EFAD4B491883514` (optional, to be performed only if the KPIs are calculated via BRF+).

4. Enter the object ID as `F0D5105146757029E10000000A42852B`.
5. Enter the object ID as `A530A54FF1281963E10000000A42852B`.
6. Select the *Transport Whole Application(s)* radio button.

- **Productive Client**
  1. Launch the transaction `SCC1`.
  2. Enter the source client as `000`.
  3. Provide the transport request in which you have transported the application (from client 000).
  4. Select the *Include Tasks in Requests* checkbox.
  5. Execute the transaction.

## Option 4

Install Project Workspace with Analysis Office (AO):

1. Activate the `/CPD/CA_CPD_PWS_1` business function (see transaction SFW5 ▶ *Enterprise Business Functions* ▶ */CPD/CA_CPD_PWS_1* ▶).

   > **Note**
   >
   > The activation of the business function `OPS_PS_CI_1` is a prerequisite for working with Project System (PS) projects.

2. Install NWBC for Desktop (optional).
3. If you wish to use workbooks as the front-end application, install Analysis Office (see SAP note 3624023).
4. You must activate the analytics content under the info-area `/CPD/AVR`. For information about setting up Analytics, see SAP Note 2373146.
5. To link generated SQL views of CDS views to HANA views, implement SAP Note 2902786.
6. You must follow these steps to enable delivery customizing in the relevant clients:
   1. Go to transaction `SFW_BROWSER`.
   2. Expand the business function `/CPD/CA_CPD_PWS_1`.
   3. Double-click on switch `/CPD/CA_CPD_SFWS_PWS_1` to implement BC set activation.
   4. Choose the *Activate Dependent BC Sets* button.
   5. In the dialog box, select *Activate Switch BC Sets* and choose *Continue*.
   6. In the next dialog box, select the following:
      1. *Only Logon client for Cascading BC Sets*
      2. *Activate in logon client for Non-Cascading BC sets*
      3. *Activate for Cross-Client BC sets*
      4. Select the checkboxes to ignore previous activations and ignore table delivery class for a new installation.
   7. Repeat the BC set activation steps for the switch `/CPD/CA_CPD_SFWS_PWS_S4_1`.
7. Check and activate SICF services as follows:
   1. Go to transaction `SICF`.
   2. Choose *Execute*.
   3. Go to ▶ *default host* ▶ *sap* ▶ *bc* ▶ *webdynpro* ▶.

4. Ensure that all services under the `cpd` node are active.

8. BRF+ framework is used within analytics. Import the BRF+ customizing application as follows (optional, to be performed only if the KPIs are calculated via BRF+):
   - **Client 000**
     1. Run the report `FDT_TRANS`.
     2. Provide the relevant customizing request.
     3. Enter the object ID as `38EAA71741841EE59EFAD4B491883514`.
     4. Select the *Transport Whole Application(s)* radio button.
   - **Productive Client**
     1. Launch the transaction `SCC1`.
     2. Enter the source client as **`000`**.
     3. Provide the transport request in which you have transported the application (from client 000).
     4. Select the checkbox *Include Tasks in Requests*.
     5. Execute the transaction.

# 7.13.2.2 Settings for Project Workspace

## Schema Mapping

For the HANA content of Commercial Project Management, you must map the`SAP_ECC` schema to the `SAP <SID>` schema.

## Configuration of Display Options for Analytical Reports

Analytical UIBBs are used in Project Workspace to display reports such as Progress Analysis, Work in Progress, and Project Cost Status. By default, these reports are displayed in a SAP List Viewer (ALV) table. However, you can also choose to view these reports as a graphic, or a table and graphic, or using Crystal Reports. To enable additional options for displaying reports, it is necessary to make the following Customizing settings:

To configure options for Graphic and Table and Graphic displays, follow these steps:

1. In Customizing for SAP NetWeaver, choose *UI Technologies* > *SAP List Viewer (ALV)* > *Maintain Web Dynpro ABAP-Specific Settings* ..
2. Select the *Java Server Available* checkbox.

> ⓘ Note
>
> The display options are available in the frontend only if you also have enabled a Java server.

To configure options for Crystal Reports, follow these steps:

1. In Customizing for SAP NetWeaver, choose *UI Technologies* > *SAP List Viewer (ALV)* > *Maintain SAP GUI-Specific Settings* .
2. Select the *Allow Crystal Reports* checkbox.

> **Note**
>
> - Commercial Project Management does not deliver any Crystal Report template for viewing reports.
> - Crystal reporting requires a special viewer in the frontend. This setting is only meaningful if this viewer has been installed. For more information, see SAP note 1353044.

## Set-Up for Launching Native Transactions in Project Workspace

To launch native SAP transactions using the launchpad in Project Workspace, you must activate the MIME Repository service in the following way:

1. On the *SAP Easy Access* screen, choose *Tools* > *Administration* > *Administration* > *Network* > *HTTP Service Hierarchy Maintenance*.
2. On the *Maintain Services* screen, select the hierarchy type *Service* and choose *Execute*.
3. 3. In the *Virtual Hosts / Services* hierarchy, navigate to the MIME Repository service by choosing *default_host* > *sap* > *public* > *bc* > *its* > *mimes*.
4. Right-click and choose *Activate Service*.

## Definition of RFC Destinations for Charts

The Fiori-themed analytics content of Commercial Project Management uses charts based on WebDynpro ABAP technology. To connect the IGS (Internet Graphics Server) to the SAP system, you have to create an RFC destination in the SAP system. For more information, see SAP note 454042. To check the IGS setting in your system, refer to SAP Note 2210469.

## Activation of Relevant OData Services

In Commercial Project Management, the following OData services must be activated:

- `CPD_MASTERPROJECT_OVERVIEW_SRV`
- `CPD_PROJECT_ACTIVITIES_SRV`
- `CPD_MASTERPROJECT_ARCHIVE_SRV`

## Enabling Enterprise Search

In Commercial Project Management, the following search connectors must be set up:

- Commercial Project
  - Model Name: `MASTERPROJECT_H`

    - Connector Name: Commercial Project
- Financial Plan
    - Model Name: `FINANCIALPLAN_H`
    - Connector Name: Financial Plan
- Change Request
    - Model Name: `CHANGEREQUEST_H`
    - Connector Name: Change Request (Commercial Project)
- Issue
    - `ISSUECHANGEREQ_H`
    - Connector Name: Issue (Commercial Project)

The connector ID is generated automatically when the connector is created and the name of the connector can be edited. For more information, see SAP note 2382734.

### Role for Adding Fiori Apps in the Fiori Launchpad

To add the Fiori apps of Commercial Project Management in the Fiori launchpad, the following roles are required:

- `SAP_BR_PROJECTMGR_COMMPRJ` (Project Manager (CPM))
- `SAP_BR_PRJTEAMMEMBER_COMMPRJ` (Project Team Member (CPM))

To add the SAP FIORI apps to access archived Commercial Projects and their objects, a special Business Role `SAP_BR_PROJAUDITOR_COMMPRJ` (Audit Specialist - Projects (CPM)) is required. This role must be assigned to those business users only who should have access to historical data.

### Set-Up for Linking Commercial Projects to CRM Opportunities

To be able to link commercial projects to CRM opportunities, you must provide the HTTP connection to the CRM system (by defining the RFC destination (`CPD_CRM`) (connection type `H`)).

## 7.13.2.3 Settings for Project Cost and Revenue Planning

### Schema Mapping

For the HANA content of Commercial Project Management, you must map the `SAP_ECC` schema to the `SAP <SID>` schema.

## Set-Up of the Planning Group

After installing the latest SP of SAP Analysis for Microsoft Office, follow these steps to activate the default planning options in workbooks:

1. Launch a planning workbook.
2. In the *Settings* dialog box, choose the *Advanced* tab, select *Show Planning Group*.
3. Close and relaunch the planning workbook.

## Set-Up of SAP Multiresource Scheduling (MRS)

Project Cost and Revenue Planning allows you to update staffing information in SAP Multiresource Scheduling. For more details, refer to the attachment of SAP Note 2363617.

## Enhancing Workbooks for SAP Analysis for Microsoft Office

The delivered workbooks contain input-ready queries and planning objects, launched in a Microsoft Excel-based frontend for planning. We recommend that you use the delivered workbooks as templates and create your own workbooks to suit individual requirements. To know more about creating planning workbooks, see the relevant guides in https://help.sap.com/viewer/p/SAP_BUSINESSOBJECTS_ANALYSIS_OFFICE. We also recommend that you use the delivered input-ready queries as templates and create your own queries to suit your requirements.

## Disabling the Intelligent Double-Click Function in SAP Analysis for Microsoft Office

> **Note**
>
> This setting is available only in SAP Analysis for Microsoft Office 1.4 SP02 and above.

When you double-click a cell, the intelligent double-click function (if enabled) automatically executes the first command in the context menu of the cell.

To disable the intelligent double-click function, do the following:

1. Launch *Registry Editor*. To know more about maintaining registry settings for SAP Analysis for Microsoft Office, see the relevant guides in https://help.sap.com/viewer/p/SAP_BUSINESSOBJECTS_ANALYSIS_OFFICE.
2. Depending on the type of installation, do one of the following:
   - If you are using a 32-bit operating system, locate the AdvancedAnalysis folder either under HKEY_CURRENT_USER\Software\SAP or HKEY_LOCAL_MACHINE\Software\SAP.
   - If you are using a 64-bit operating system, locate the Wow6432Node either under HKEY_CURRENT_USER\Software\SAP or HKEY_LOCAL_MACHINE\Software\SAP.

3. In the identified path, create nested keys to form the path *\Software\SAP\AdvancedAnalysis\Settings\ExcelGrid.
4. Under *ExcelGrid*, create the string `EnableDoubleClick`, and enter the value **`False`**.

## Installation and Upgrade of BW

For information about the new and changed objects in this release, see SAP note 2522216.

## Data Consistency of Forecasting Method Descriptions During Upgrade

If you upgrade to Commercial Project Management 1709 onwards from the lower add-on releases SAP Commercial Project Management for S/4HANA 2.0 SP01 and SP02, you must execute the following report to ensure data consistency of forecasting method descriptions: `/CPD/PFP_FORECAST_DATA_TRANS`

## Clean-Up of Invalid FBI Structures

To clean up invalid FPM BOPF Integration (FBI) structures, you must run the `/BOFU/R_FBI_VIEW_CLEANUP_DDIC` report.

1. In transaction SE38, run `/BOFU/R_FBI_VIEW_CLEANUP_DDIC`
2. In the selection screen, remove the checks in the following checkboxes:
   - *Inactive Only*
   - *Deleted Objects Only*
   - *Test Mode*
3. Choose Execute
4. The system lists inconsistent objects (from the following list). Select the objects that are listed by the system.
   - Business Object
     - `/BOBF/ATTACHMENT_FOLDER`
   - FBI View
     - `/CPD/PWS_MP_STEXT`
     - `/CPD/PWS_MP_LIST`
     - `/BOFU/VIEW_ATF_DOC`
     - `/BOFU/VIEW_ATF`
     - `/CPD/WDC_PFP_HEADER_TEXT_FBIVIEW`
     - `/CPD/WDC_PFP_HEADER_FBIVIEW`
     - `/CPD/WDC_PFP_VERSION_FBIVIEW`
     - `/CPD/WDC_PFP_STRUCTURE_FBI_VIEW`
     - `/CPD/PWS_MP_PROJ_MEMBER`

- `/CPD/PWS_PM`
- `/CPD/PWS_TEAM_ROLES`
- `/CPD/PFP_DETAIL_MAPPING_FBIVIEW`

5. Choose *Cleanup*.

### 7.13.2.4 Conversion-Relevant Information

After conversion to SAP S/4 HANA, the system automatically retains the data and configuration. The following table provides the simplification list for Commercial Project Management delivered in SAP S/4 HANA:

| SAP Note Number | Description |
|---|---|
| 2318716 | S4TWL – Rate Card |
| 2318733 | S4TWL – Interface of SAP Commercial Project Management with SAP Cloud for Customer |
| 2320143 | S4TWL – Fiori Apps of SAP Commercial Project Management |
| 2318728 | S4TWL – Launchpads of Gantt Chart and Commercial Project Inception |
| 2323806 | S4TWL – Workbooks Delivered in Project Cost and Revenue Planning |
| 2712156 | S4TWL - CPM - Personal Activity List |
| 2711002 | S4TWL - CPM - Forecast from financial plan versions |
| 2719743 | Commercial Project Management: Migrate Configuration Settings of Key Figures and Resource Types for Analytics |
| 2741838 | Commercial Project Management: Reactivation of Business Switch After Conversion / Upgrade to S/4HANA 1709 and Above |
| 2902786 | Upgrade to HANA View-Based InfoProviders and CDS Views for 1909 Systems and Later |

## 7.14 Follow-Up Activities for Product Safety and Stewardship

Verify and carry out all Customizing steps under *SAP Customizing Implementation Guide* > *Product Safety and Stewardship.*

## 7.14.1 Follow-Up Activities for Product Compliance for Discrete Industries

For successful installation, always check the release information note 2278589 for the most current implementation details.

After the installation, carry out the following activities for *Product Compliance for Discrete Industries*:

- Verify and activate the following BC sets depending on the processes you need.
  For the process *Managing Product Compliance*:
  - `EHPRC_SPECIAL` *Critical PRC Customizing from other components*
  - `EHPRC_BASIC` *Customizing for Product and REACH Compliance*
  - `EHPRC_DI_PRODUCT_COMPLIANCE` *Managing Product Compliance*

  For the process *Managing IMDS Compliance*:
  - `EHPRC_SPECIAL` *Critical PRC Customizing from other components*
  - `EHPRC_BASIC` *Customizing for Product and REACH Compliance*
  - `EHPRC_DI_IMDS_COMP` *Managing IMDS Compliance*

  For both above mentioned processes:
  - `EHPRC_SPECIAL` *Critical PRC Customizing from other components*
  - `EHPRC_BASIC` *Customizing for Product and REACH Compliance*
  - `EHPRC_DI` *Customizing for Product Compliance*
- Verify and carry out all Customizing steps under *SAP Customizing Implementation Guide* > *Product Safety and Stewardship* > *Product Compliance for Discrete Industries.*
- In transaction `SICF`, activate the following WebDynpro services below the node `/default_host/sap/bc/webdynpro/sap/`:
  - All `EHFND*` and `EHPRC*` services
  - `POWL`
  - `IBO_WDA_INBOX`
  - `WDR_CHIP_PAGE`
- Also activate the following services:
  - NWBC runtime node on the path `/default_host/sap/bc/nwbc`.
  - SAPUI5 application handler on the path `/default_host/sap/bc/ui5_ui5`.

## 7.14.2 Follow-Up Activities for Product Safety and Stewardship for Process Industries

For successful installation, always check the release information note 2278589 for the most current implementation details.

After the installation, you need to carry out follow-up activities as described in the following SAP Notes:

- Verify and carry out all Customizing steps under *SAP Customizing Implementation Guide* > *Product Safety and Stewardship* > *Product Compliance for Process Industries*.

- For information regarding installation instructions for *Windows Wordprocessor Integration* (*WWI*) and *Expert / Open Content Connector* (*OCC*), see SAP Note 568302.
- For information regarding installation instructions for the *WWI* server, see SAP Note 1394553.

# 7.15 Follow-Up Activities for Product Compliance

## Configuration for Product Compliance

If you choose to use the configuration delivered with SAP Best Practices or with manual steps, please check the information provided on the SAP Help Portal at https://help.sap.com/s4hana_op_2025 under *Product Assistance* > *[Your Preferred Language]* > *Enterprise Business Applications* > *R&D / Engineering* > *Product Compliance* > *Foundation for Product Compliance* > *Configuration for Product Compliance*.

## Configuration of Output Parameters for Safety Data Sheet Shipment

When you want to configure output parameters for the shipment of safety data sheets, you must install the business rule framework plus (BRFplus). For more information, see SAP Note 2248229.

You can find more information about BRFplus on the SAP Help Portal at https://help.sap.com/s4hana_op_2025 under *Product Assistance* > *[Your Preferred Language]* > *Cross Components* > *SAP S/4HANA Output Control* > *Setup of SAP S/4HANA Output Control* > *Setting up Business Rule Framework Plus (BRFplus)*.

# 7.16 Follow-Up Activities for Supplier Management

After the installation, you need to carry out the following activities for Supplier Management:

## Delivery Customizing

You have to copy the delivery Customizing for Supplier Management from client 000 to your relevant clients. You can run transaction *Customizing Cross-System Viewer* (`SCU0`) to compare Customizing contents in the 000 client and in the client in your system. For Supplier Management, the following application components are relevant:

- `SLC-EVL`, `SLC-ACT`, `SLC-CAT` for Supplier Management Customizing
- `BC-SRV-NUM` for number range intervals required for purchasing categories, activities, tasks, and for the objects used in Supplier Evaluation

- `BC-SEC-AUT-PFC` for PFCG role Customizing

In addition, you must copy alert texts with text ID 'ALRT ' and text names EVAL_REMINDER* and TASK* to the productive client. For more information, see SAP Note 601619.

### Important SAP Notes

Define the system characteristic as described in SAP Note 2224695.

### Activate Internet Communication Framework (ICF) Services

For information about the ICF services that you have to activate for Supplier Management, see the configuration information for Supplier Management. This documentation is included in the product assistance for SAP S/4HANA that is available on SAP Help Portal at https://help.sap.com/s4hana_op_2025.

> **Note**
>
> This documentation also contains further information about the implementation of Supplier Management, such as jobs that must be scheduled and roles that need to be assigned.

## 7.17 Follow-Up Activities for Human Resources

## 7.17.1 Employee-Business Partner Synchronization

The following steps enable you to synchronize employee information with BPs. This synchronization is a mandatory activity for SAP S/4HANA to make sure the follow-up activities and the CDS views work.

For more information, you can also refer to the corresponding Customizing documentation under *Personnel Management* > *SAP S/4HANA for Human Resources* > *Synchronize Business Partners for SAP HCM Employee Roles* (when business function `/SHCM/EE_BP_1` is switched off) or *Personnel Management* > *SAP S/4HANA for Human Resources* > *Synchronize Business Partners with an Active Business Partner Integration* (when business function `/SHCM/EE_BP_1` is switched on).

For more information on selection, refer to the documentation of the report `/SHCM/RH_SYNC_BUPA_FROM_EMPL`.

> **Note**
>
> - Initial synchronization of all employees must be done during the initial business downtime before the production starts.

- In case of large volume of employee data, standard report `/SHCM/RH_SYNC_BUPA_FROM_EMPL` may take a lot of time to synchronize the employees. Refer to the corresponding FAQ note for 2409229 to process the employees in parallel jobs.

## Notes (SAP S/4HANA)

**Report** HRALXSYNC

You cannot use this synchronization report for employee synchronization in SAP S/4HANA. For any other object synchronization (for example, organizational units), you can use it.

**Transaction** PRAA

This transaction was used for Vendor creation in the SAP ERP system for travel expenses This transaction is no longer valid in the SAP S/4HANA system.

## Prerequisites

- Set the following switches in the table `T77S0`:
  - Set `HRALX HRAC` to 'X' and `HRALX PBPON` to 'ON'
  - `HRALX ENUMB` (type of number assignment for BPs with Employment role) and `HRALX ESUBG` (subgroup of the number range interval for BPs with Employment role): Use these switches to provide information regarding types of number assignment and subgroups of number range intervals for BPs with Employment role.
  - `HRALX PNUMB` (Business Partner Number Assignment Employee) and `HRALX PSUBG` (Business Partner Subgroup Emmployee): Use these switches to provide different number ranges to BPs.
  - `PLOGI PLOGI` Integration Plan Version / Active Plan Version: Use this switch to determine the active integrated plan version.

    → Tip

    For additional information on same numbers, visit the FAQ via SAP Note 3023906.

  ⓘ Note

  All other switches under `HRALX` are not relevant in SAP S/4HANA for employee-BP synchronization.
- Execute the relevant BP Customizing activities for the CVI and Vendor account.

  → Tip

  Refer to the FAQs in SAP Note 2713963 for additional information. Under *Where can I find the guide for Business Partner conversion Activities - Customer Vendor Integration (CVI)?*, you will also find the link to a cookbook that provides further details.
- CP should exist for all the employee records (`HRP1001` table should have CP-P relationship record for all the employees).

- All the employees should have at least infotype `0` (*Actions*), `1` (*Organizational Assignment*) and `2` (*Personal Data*) maintained.
- You need to install the following notes before you can start replicating employee master data and organizational data:
  - 2539457: BP is created in Person category during Vendor creation or conversion when CVI is active.
  - 2542175: Employee BP is reused during Vendor creation or conversion when CVI is active.
  - 2517507: Reference Vendor data, company code, and bank account are created based on HR master data.
  - 2568251: Invalid BP assignments are deleted.
  - 2991508: Use of business partner identification type 'Employee ID' (`HCM001`)
- To maintain HR master data for external employees, create an active implementation of the Business Add-In *BAdI: Contingent Worker* (`/SHCM/B_EXTERNAL_EMPLOYEE`). For further information, refer to SAP Note 2340095.

### 7.17.1.1 SAP S/4HANA Business Partner Synchronization Report and Role Synchronization Report

**Business Partner Synchronization**

You can use the BP Synchronization Report ( `/SHCM/RH_SYNC_BUPA_FROM_EMPL`) to synchronize employee data stored in HCM master data persistences (infotypes) with the BP and Vendor and/or customer as well as to link BPs to users (if infotype `105`, subtype `0001` is maintained) and to the corresponding workplace address.

The BP Synchronization Report has the following functions:

- Synchronizing the HCM infotypes of new employees
- Synchronizing employees who haven't been synchronized successfully during the last synchronization run
- Synchronizing employees with split records

For more information, you can also refer to the Customizing under *Personnel Management* > *SAP S/4HANA for Human Resources*.

Data is synchronized if employee data is created or changed in the following ways:

- **Inbound processing using ALE**
  The synchronization is triggered using the following BAdI implementation: `HRALE00INBOUND_IDOC: /SHCM/BUPA_SYNC_TRIG`

  > **Note**
  >
  > By default, this implementation is not active.

- **Personnel master data maintenance (for example, transaction `PA30/PA40`)**

> **Note**
>
> - Certain HCM master data is time-dependent but some BP data is not. Therefore, schedule this report to run on a daily basis (or according to your required frequency) to update the BPs and receive up-to-date employee data.

- If a synchronization is unsuccessful, all the employee data is updated in the next synchronization run.

**Role Synchronization**

You can use the Role Synchronization Report (technical name: `/SHCM/R_EMPL_HDLE_BPRLES_DELTA`) to update or delete additional roles of personnel numbers with an existing BP instance with the Employment role. If the additional roles already exist (to be found in table `/SHCM/D_RLE_SYNC`), the system only updates the according BP master data.

The system updates the BPs with additional roles associated to the personnel numbers for which the BP synchronization has been executed by means of the above-mentioned reports. By this, you can flexibly adapt the roles in case of change of main employment.

For more information, you can also refer to the Customizing under *Personnel Management* > *SAP S/4HANA for Human Resources*.

## Field mapping used for employee synchronization

### BP Fields:

- BP grouping: If BP grouping is created with `BPEE`, it will be considered for BP creation in another way:
  1. If switch `HRALX PNUMB` is 1, the standard grouping for internal number assignment for BPs is used.
  2. If switch `HRALX PNUMB` is 2, an individual number range interval for BPs in role employee is used. BP grouping should be the same as for switch `HRALX PSUBG` in `T77S0`. For BPs in role employment, use switch `HRALX ENUMB` to define the number assignment. The grouping should be the same as for switch `HRALX ESUBG` in `T77S0`.
  3. If switch `HRALX PNUMB` is 3, the BP number is matched to the *personnel number* of the employee. BP grouping should be the same as for switch `HRALX PSUBG` in `T77S0`. For BPs in role employment, use switch `HRALX ENUMB` to define the number assignment. The grouping should be the same as for switch `HRALX PSUBG` in `T77S0`. The grouping as well as the number range of `HRALX ESUBG` must differ from `HRALX PSUBG`.
  4. If switch `HRALX PNUMB` is 4, the BP number is matched to the *Central Person ID* of the employee.

  → Tip

  It is recommended to set `HRALX PNUMB` to 4 for employees, and `HRALX ENUMB` to 3 for BPs in role employment. This leads to the following number assignments:

  - The BP in role employee is matched to the Central Person ID.
  - The BP in role employment is matched to the personnel number of the employee.
- BP category: 1 (Person)
- Identification Category:
  - Employee: `HCM001`
  - Personnel Number (Main Employment): `HCM012` (used in case the business function `/SHCM/EE_BP_1` is switched off)
  - Personnel Number (Main Employment): `HCM032` (used in case the business function `/SHCM/EE_BP_1` is switched on)
  - Personnel Number (Employment): `HCM033`

    - Service Performer: `HCM030`
- Identification ID for Employees (`HCM001`):
    - In case of CE or single assignment, the smallest active PERNR is used.
    - In case of SAP SuccessFactors Integration, the same PERNR or the preferred *External Employee ID* from SAP SuccessFactors is used.
- Roles:
    - Employee: `BUP003`
    - Employment: `BUP010` with e.g., `FLVN00` and/or `FLCU00`
    - External Employment: `BUP011`
    - Service Performer: `BBP005`
- Relation Category
    - Employment: `HCM001`
    - External Employment: `HCM002`
    - Service Performer Contract: `HCM003`
    - Service Performer: `BUR025`
- Address Usage
    - Standard Address: `XXDEFAULT`
    - Workforce Private Address: `HCM001`
    - Address of Main Employment: `HCM003`
- Bank ID
    - Bank ID generally begins with `HC`, e.g.; `HC01`, `HC02`.

> **⚠ Restriction**
>
> For external employees, the **payment data** and the **address data** is not synchronized.

| | Field description | Infotype | Field Name | Comments | BP Field name |
|---|---|---|---|---|---|
| Employee | First Name | 2 | VORNA | | BUT000 - NAME_FIRST |
| | Last Name | 2 | NACHN | | BUT000 - NAME_LAST |
| | Middle Name | 2 | MIDNM | | BUT000 - NAME-MIDDLE |
| | Second Name | 2 | NACH2 | | BUT000 - NAME_LST2 |
| | Initials | 2 | INITS | | BUT000 - INI-TIALS |
| | Academic Title 1 | 2 | TITEL | TSAD2 | BUT000-TI-TLE_ACA1 |

| Field description | Infotype | Field Name | Comments | BP Field name |
|---|---|---|---|---|
| Title | 2 | Based on ANRED and GESCH | BBP_TSAD3HR or TSAD3HR | BUT000 - TITLE |
| Academic Title 2 | 2 | TITL2 | TSAD2 | BUT000- TITLE_ACA2 |
| Name Supplement | 2 | NAMZU | TSAD5 | BUT000- TITLE_ROYL |
| Name Affix 1 | 2 | VORSW | TSAD4 | BUT000- PREFIX1 |
| Name Affix 2 | 2 | VORS2 | TSAD4 | BUT000- PREFIX2 |
| Gender | 2 | GESCH | Value 1 is mapped to 2 and vice versa because of domain value differences | BUT000 - XSEXF, XSEXM, or GENDER |
| Preferred Language | 2 | SPRSL | | BUT000 - LANGU_CORR<br>BUT000-BU_LANGU |
| Nationality | 2 | NATIO | | BUT000 - NATIO |
| Date of Birth | 2 | GBDAT | | BUT000 - BIRTHDT |
| Name at Birth | 2 | NAME2 | | BUT000-NAME_LAST2 |
| Nick name | 2 | RUFNM | | BUT000- NICKNAME |
| Place of Birth | 2 | GBORT | | BUT000-BIRTHPL |
| Marital Status | 2 | FAMST | BBP_TSAD3HR or TB027HR | BUT000- MARST |
| Search term 1 | 2 | NCHMC | | BUT000-BU_SORT1 |
| Search term 2 | 2 | VNAMC | | BUT000-BU_SORT2 |

| | Field description | Infotype | Field Name | Comments | BP Field name |
|---|---|---|---|---|---|
| | Full Name | 2 | | CNAME or ENAME or<br>Concatenation of VORNA MIDNM NACHN | BUT000-NAME1_TEXT |
| Communication | E-Mail Address | 105 | | Subtype 0010 | ADR6-SMTP_ADDR |
| Address | From Date | 6 | BEGDA | Permanent Address (subtype 1) is synchronized | BUT020 - ADDR_VALID_FROM |
| | End Date | 6 | ENDDA | | BUT020 - ADDR_VALID_TO |
| | Country | 6 | LAND1 | | ADRC - COUNTRY |
| | Region | 6 | STATE | | ADRC - REGION |
| | City | 6 | ORT01 | | ADRC -CITY1 |
| | District | 6 | ORT02 | | ADRC -CITY2 |
| | Postal Code | 6 | PSTLZ | | ADRC – POST_CODE1 |
| | Street | 6 | STRAS | | ADRC – STREET |
| | Street 2 | 6 | ADR03 | | ADRC – STR_SUPPL1 |
| | Street 3 | 6 | ADR04 | | ADRC - STR_SUPPL2 |
| | Street 4 | 6 | LOCAT | | ADRC - STR_SUPPL3 |
| | House number supplement | 6 | POSTA | | ADRC – HOUSE_NUM2 |
| | c/o | 6 | NAME2 | | ADRC – NAME_CO |
| | Building Code | 6 | BLDNG | | ADRC –BUILDING |
| | Floor | 6 | FLOOR | | ADRC –FLOOR |
| | House Number | 6 | HSNMR | | ADRC – HOUSE_NUM1 |

| | Field description | Infotype | Field Name | Comments | BP Field name |
|---|---|---|---|---|---|
| | Telephone | 6 | TELNR | | ADCP - TEL NUMBER |
| Payment | Account Holder Name | 1 | EMFTX | If infotype 9-EMFTX is not present: map infotype 1 ENAME | BUT0BK-KOINH |
| | Bank | 9 | BANKS | If Travel Expenses (subtype 2) Bank information exists, it is synchronized with BP or Vendor; otherwise, Main Bank (subtype 0) is synchronized. If both do not exist, Vendor will not be created. | BUT0BK - BANKS |
| | Bank Account | 9 | BANKN | | BUT0BK - BANKN |
| | Control Key | 9 | BKONT | | BUT0BK - BKONT |
| | Bank Key | 9 | BANKL | | BUT0BK - BANKL |
| | Reference specifications for bank details | 9 | BKREF | | BUT0BK - BKREF |
| | IBAN No. | 9 | IBAN | | BUT0BK - IBAN |
| | Valid From | 9 | BEGDA | | BUT0BK - BK_VALID_FROM |
| | Valid To | 9 | ENDDA | | BUT0BK - BK_VALID_TO |
| Vendor Company Code | Company Code | 1 | BUKRS | | LFB1 -BUKRS |
| | Payment Method | 9 | ZLSCH | | LFB1 -ZWELS |
| | Personnel Number | 1 | PERNR | | LFB1 -PERNR |
| | Reconciliation account | | (see comment) | Read from `/SHCM/RECON` based on Employee's company code (IT0001-BUKRS) | LFB1 -AKONT |
| | Business Partner Type | | BPKIND | Read from Reference BP while creating BP | BUT000 - BPKIND |
| | Authorization Group | | AUGRP | Read from Reference BP while creating BP | BUT000 - AUGRP |

| | Field description | Infotype | Field Name | Comments | BP Field name |
|---|---|---|---|---|---|
| | Business Partner Print Format | | PRINT_MODE | Read from Reference BP while creating BP | BUT000 - PRINT_MODE |

> **Note**
>
> You can maintain the view `PTRV_VENDOR_SYNC` per company code to fulfill the additional requirements concerning:
>
> - Vendor or Customer Roles, or both, or no Roles (Customer role is only available if Enterprise Business Function `/SHCM/EE_BP_1` is activated.)
> - Source of company code for company code segments
> - Source of subtype for address
> - Additional information for Vendor company code segments (`LFB1`), Vendor general data (`LFA1`) as well as for dunning data (`LFB5`), and withholding tax data (`LFBW`)
> - Additional information for Customer company code segments (`KNB1`), Customer general data (`KNA1`) as well as for dunning data (`KNB5`), and withholding tax data (`KNBW`)
> - Source of bank account, bank account key on BP as well as partner bank type in Vendor bank data (`LFBK`) and/or Customer bank data (`KNBK`)
> - Setting payment locks for inactive employees
> - Used identification categories for loosely coupled BPs
> - Address types to be used for BPs
>
> Either refer to the F1 help for the fields in maintenance view `PTRV_VENDOR_SYNC` or read the knowledge-based article 2632026 to learn more about the usage of the control table `PTRV_VENDOR_SYNC`.

### Field mapping for Workplace Address:

- In case User (infotype 105, subtype 0001) is maintained for the employee: During employee synchronization, if the user is of type 00 (user's old type 3 address USR21-IDADTYPE: 00), the existing workplace address data is retained and only the following information is updated or overwritten (if present in the infotypes).
- If no user is maintained, following information is updated as workplace address.

> **Note**
>
> You can use the view `TBZ_V_EEWA_SRC` to maintain the address data for users with a business partner assignment. For more information, see SAP Note 2813203.

| Field Description | Infotype | Field Name | Comments | BP Field Name |
|---|---|---|---|---|
| Department | 1 | ORGEH | Text from organizational unit (ORGEH) from table T527X | ADCP - DEPARTMENT |

| Field Description | Infotype | Field Name | Comments | BP Field Name |
|---|---|---|---|---|
| Function | 1 | STELL | Text from job (STELL) from table T513S | ADCP - FUNCTION |
| Room Number | 32 | ZIMNR | | ADCP - roomnumber |
| Building Number | 32 | GEBNR | | ADCP - building |
| Telephone | 105 | | If SAP SuccessFactors integration is used, infotype 105, subtype ECPB is used; otherwise, infotype 105, subtype 0020 is used. | ADR2 - telnr_long<br>**Note**<br>Additional condition: r3_user = '1' |
| FAX | 105 | | Infotype 105, subtype 0005 | ADR3 |
| Cell Phone | 105 | | If SAP SuccessFactors integration is used, infotype 105, subtype ECPC is used; otherwise, Infotype 105, subtype CELL is used. | ADR2 - telnr_long<br>**Note**<br>Additional condition: r3_user = '3' |
| E-Mail Address | 105 | | Infotype 105, subtype 10 | ADR6 - flgdefault = 'X'<br>ADR6- SMTP_ADDR |

## 7.17.1.1.1 Authorizations

Human Resources uses the authorization concept provided by AS ABAP or AS Java. Therefore, the recommendations and guidelines for authorizations as described in the SAP NetWeaver AS Security Guide ABAP and SAP NetWeaver AS Security Guide Java also apply.

The SAP NetWeaver authorization concept is based on assigning authorizations to users based on roles. For role maintenance, use the profile generator (transaction **PFCG**) on the AS ABAP and the User Management Engine's user administration console on the AS Java.

**Note**

For more information about how to create roles, see the information on user administration and authentication in the Product Assistance at https://help.sap.com/s4hana_op_2025 under *Use* > *Product Assistance* > *English* > *Enterprise Technology* > *ABAP Platform* > *Securing the ABAP Platform*.

## Standard Authorization Objects

The table below shows the security-relevant authorization objects that are used.

| Authorization Object | Field | Value | Description |
|---|---|---|---|
| B_BUPA_ADR (Business Partner: BP Addresses) | ACTVT | | Activity |
| | SENSTVT | | Sensitivity |
| B_BUPA_BNK (Business Partner: BP Banks) | ACTVT | | Activity |
| | SENSTVT | | Sensitivity |
| B_BUPA_RLT (Business Partner: BP Roles) | ACTVT | | Activity |
| | RLTYP | | BP Role |
| B_BUPA_GRP | BEGRU | | Authorization Group |
| | ACTVT | | Activity |
| B_BUP_PCPT | ACTVT | | Activity |
| B_BUP_DCPA (Business Partner Data Controller Purpose Assignment) | DATA_CTRLR | | Data Controller |
| | PURPSE | | Purpose |
| | ACTVT | | Activity |
| B_BUP_DCPD (Business Partner Processing) | DATA_CTRLR | | Data Controller |
| | PURPSE | | Purpose |
| | ACTVT | | Activity |
| F_LFA1_APP (Vendor: Application Authorization) | ACTVT | | Activity |
| | APPKZ | | Customer and Vendor Master Data Application Authorization |
| F_LFA1_BUK (Vendor: Authorization for Company Codes) | BUKRS | | Company Code |
| | ACTVT | | Activity |
| F_LFA1_GEN (Vendor: Central Data) | ACTVT | | Activity |
| F_LFA1_GRP (Vendor: Account Group Authorization | KTOKK | | Vendor account group |
| | ACTVT | | Activity |

| Authorization Object | Field | Value | Description |
|---|---|---|---|
| F_KNA1_APP (Customer: Application Authorization) | ACTVT | | Activity |
| | APPKZ | | Customer and Vendor Master Data Application Authorization |
| F_KNA1_BUK (Customer: Authorization for Company Codes) | BUKRS | | Company Code |
| | ACTVT | | Activity |
| F_KNA1_GEN (Customer: Central Data) | ACTVT | | Activity |
| F_KNA_GRP (Customer: Account Group Authorization) | KTOKD | | Customer Account Group |
| | ACTVT | | Activity |
| P_ORGIN (HR: Master Data) | INFTY | | Infotype |
| | SUBTY | | Subtype |
| | AUTHC | | Authorization level |
| | PERSA | | Personnel Area |
| | PERSG | | Employee Group |
| | PERSK | | Employee Subgroup |
| | VDSK1 | | Organizational Key |
| PLOG (Personnel Planning) | PLVAR | | Plan Version |
| | OTYPE | | Object Type |
| | INFOTYP | | Infotype |
| | SUBTYP | | Subtype |
| | ISTAT | | Planning Status |
| | PPFCODE | | Function Code |
| S_USER_GRP (User Master Maintenance: User Groups) | CLASS | | User group in user master maintenance |
| | ACTVT | | Activity |

## Business Partner Data Controller Usage

In case you have activated feature toggle `BUP_DATA_CONTROLLER_PURPOSE`, you can use Data Controllers (DCs) to control authorizations for business partners (BPs). To synchronize DC assignments, you require authorizations from the authorization objects `B_BUP_DCPA` and `B_BUP_DCPD`. DC assignments can be derived automatically based on the *Company Code* (infotype `0001`, field `BUKRS`) of the related personnel number, as maintained in Customizing under *Cross-Application Components* > *Data Protection* > *General Settings* > *Data Controller*.

### Example

Table 1 contains two employments for an employee, P1 and P2, that are assigned to different *Company Codes* (`BUKRS`). In Customizing, the corresponding DCs are derived based on the *Company Codes*. In this example, employment P1 with a German contract belongs to company code `DE01`. Employment P2 with an US contract belongs to company code `US01`.

Table 1

| Employment | BUKRS | Assigned DC in DC Customizing |
|---|---|---|
| P1 | `DE01` | `DC_DE` |
| P2 | `US01` | `DC_US` |

Table 2 shows the result of the DC assignment at the BP. After the Human Resources BP sync the flag *Derivation Indicator for Data Controller* is set.

Table 2

| BP Instance | BP Role | Assigned DC at BP (BUT000) |
|---|---|---|
| BP Employee | `BUP003` | `DC_DE` and `DC_US` |
| BP Employment 1 (German contract) | `BUP010` | `DC_DE` |
| BP Employment 2 (US contract) | `BUP010` | `DC_US` |

Table 3 shows the access to the BP instances depending on the assigned DC for authorization object `B_BUP_DCPD` in the user's authorization profile.

Table 3

| User | Assigned DC in Authorization Profile | Authorization for BP Employee | Authorization for BP Employment P1 | Authorization for BP Employment P2 |
|---|---|---|---|---|
| User 1 | `DC_DE` (Germany) | granted | granted | declined |
| User 2 | `DC_US` (US) | granted | declined | granted |
| User 3 | `DC_IN` (India) | declined | declined | declined |

For more information on DC usage, refer to https://help.sap.com/s4hana_op_2025 under *Use* > *Product Assistance* > *English* > *Cross Components* > *Master Data Maintenance* > *Business Partner Master Data* > *SAP Business Partner* > *Functions* > *Data Controller*.

### Business Partner End of Purpose (EoP) Check in Human Resources

Human Resources provides an EoP check to determine whether Employee Business Partner is still relevant for business activities in the application or can be blocked.

| Application Name | Application Description |
|---|---|
| BUCP | Central Business Partner: Employee |

> **Note**
>
> For more information, refer to 2142308.

## 7.17.1.2 Design Constraints

### Workplace Address Data

If infotype 105, System User Name (SY-Uname) 0001, is maintained for the employee and if workplace address is synchronized, the user will be converted to type 04 (Identity with Workplace Address).

If user assignment is removed (infotype 105, subtype 0001 is removed for the employee), the user needs to be unassigned from the business partner by running the report `RSUID_REMOVE_FALSE_BP_ASGN` (after the employee synchronization report has been executed). Refer to note 2568251 for more information.

If user is converted to 02 or 04 (`IDADTYPE`), workplace address or address section will not be editable in user administration transactions like `SU01`.

## 7.17.2 FAQ

For more information about the FAQs, refer to the SAP Note 2409229.

## 7.17.3 Related Notes

- 2265093 - S4TWL - Business Partner Approach

- 2570961 - Simplification item S4TWL - Business User Management
- 2340095 - S4TWL - Conversion of Employees to Business Partners
- 2273108 - S4TWL - General HCM Approach within SAP S/4HANA
- 2383879 - S4TWL - Java-based ESS and MSS not available in Compatibility Mode
- 2393462 – All changes in 1610
- 2241838 – Limitations to PRAA transaction in S/4HANA
- 2399801 - Workplace Address synchronization corrections

## 7.18 Follow-Up Activities for SAP S/4HANA for Central Procurement

### 7.18.1 Integration in SAP S/4HANA

This section describes the integration of an on-premise SAP S/4HANA system or SAP S/4HANA Cloud Public Edition system with some other enterprise resource planning systems in your system landscape (for example, SAP S/4HANA, SAP S/4HANA Cloud Public Edition, or SAP ERP) to offer centralized procurement processes over your entire system landscape. With Central Procurement, the on-premise SAP S/4HANA system or SAP S/4HANA Cloud Public Edition system acts as a hub system and the enterprise resource planning systems act as connected systems.

Central Procurement enables you to manage the procurement processes of several connected systems from a single-source system. The hub system can be operated centrally by the company headquarters, whereas the respective connected systems are operated by the subsidiaries. Using this approach, you can simplify certain aspects of your procurement processes. For example, employees from different subsidiaries raise requests to procure materials by creating self-service purchase requisitions in the hub system of the company headquarters. When employees create purchase requisitions, they are only able to select materials from the subsidiary that they belong to. They are also provided with information about available sources of supply, for example, contracts and purchasing info records, for the selected material. After an employee, has completed and saved the purchase requisition, it goes to the approval process. After the approval process is completed, the purchase requisition is replicated to the respective connected system of the subsidiary that the employee belongs to. After successful replication, a purchase order is created automatically to procure the material, and the number of the purchase order is updated back to the self-service purchase requisition.

If you want to use the SAP S/4HANA system that you have installed as one of the connected systems for Central Procurement, then the following information is relevant to you.

The integration of the hub system with SAP S/4HANA system as the connected system is supported in on-premise and cloud integration scenarios. If you want to integrate the hub system with the SAP S/4HANA system as the connected system, you must install the `HUBS4IC` add-on.

> **Note**
>
> You only need to install this add-on if your SAP S/4HANA-based hub system or connected system is an on-premise system.

### Commodity Management

To implement Commodity Management in SAP S/4HANA and SAP S/4HANA Cloud Private Edition 2025, you need a valid license (either the SAP Commodity Management overall license or SAP Commodity Management for physical contracts for SAP S/4HANA). With the valid license for Commodity Management in place, you can implement Commodity Management in SAP S/4HANA and SAP S/4HANA Cloud Private Edition 2025 by activating one or more of the following business functions as per your requirement:

| Business Function | Purpose |
|---|---|
| `LOG_CMM_PRC_BF_SRCG_CPE_EXT` | Product Sourcing |
| `LOG_CMM_PRC_BF_CCTR_CPE_EXT` | Central Purchase Contract |

## 7.18.2 Integration Scenarios

This section describes the integration scenarios that use an SAP S/4HANA system as a connected system for Central Procurement.

This section is relevant only if you are using the SAP S/4HANA system as the connected system when using Central Procurement. If you consider your current SAP S/4HANA system installation to be the connected system, continue reading.

You can use your current integration based on SAP S/4HANA to implement SAP S/4HANA for Central Procurement. If you are an SAP S/4HANA customer also using SAP ERP, you can continue to use SAP ERP.

### Prerequisites

To open the connectivity of the hub system and the connected systems, an integration add-on must be installed for each of the connected systems. The add-ons for SAP ERP and SAP S/4HANA systems are as follows:

- `HUBS4IC`
  This add-on is used to integrate the hub system with an on-premise SAP S/4HANA system as the connected system.
- `HUBERPI`
  This add-on is used to integrate the hub system with SAP ERP system as the connected system.

### Integration Scenarios

The following integration scenarios are available:

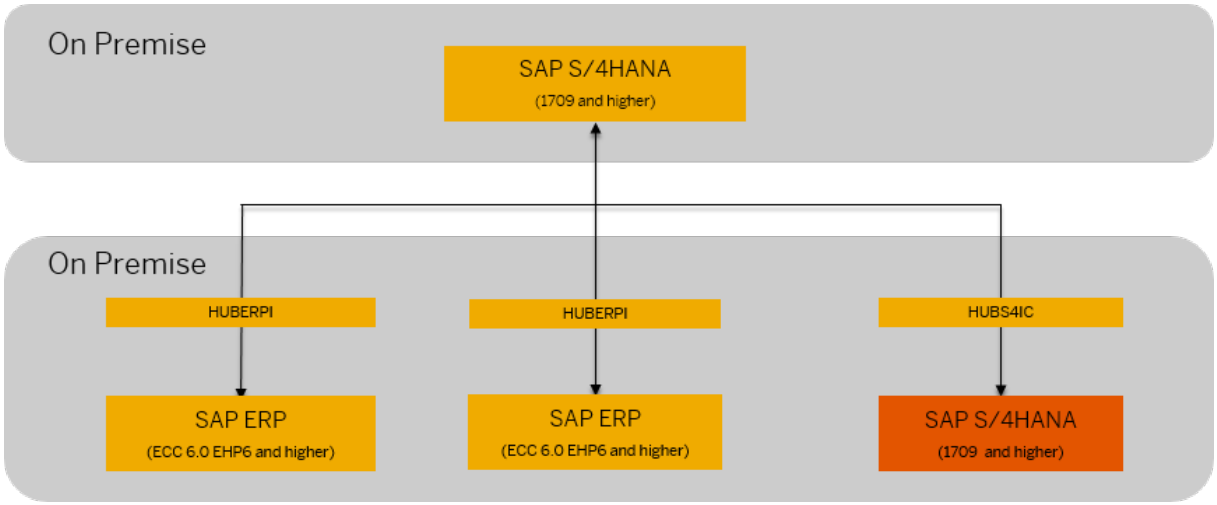
## On Premise (OP)

This scenario is relevant if you want to connect one or more SAP ERP or SAP S/4HANA systems as the connected systems to the hub system to carry out procurement processes in an OP environment.

> **Note**
>
> Depending on the support pack that you install, you get different functionalities. For example, if you install `SP02` of `HUBERPI`, it includes the functionality for central contracts and central requisitioning but if you install `SP00` of HUBERPI, you get the functionality for central requisitioning only.

Make sure you read the availability matrix contained in the release information note 2491065 for more information on the functionalities available with different support packages for HUBERPI,.

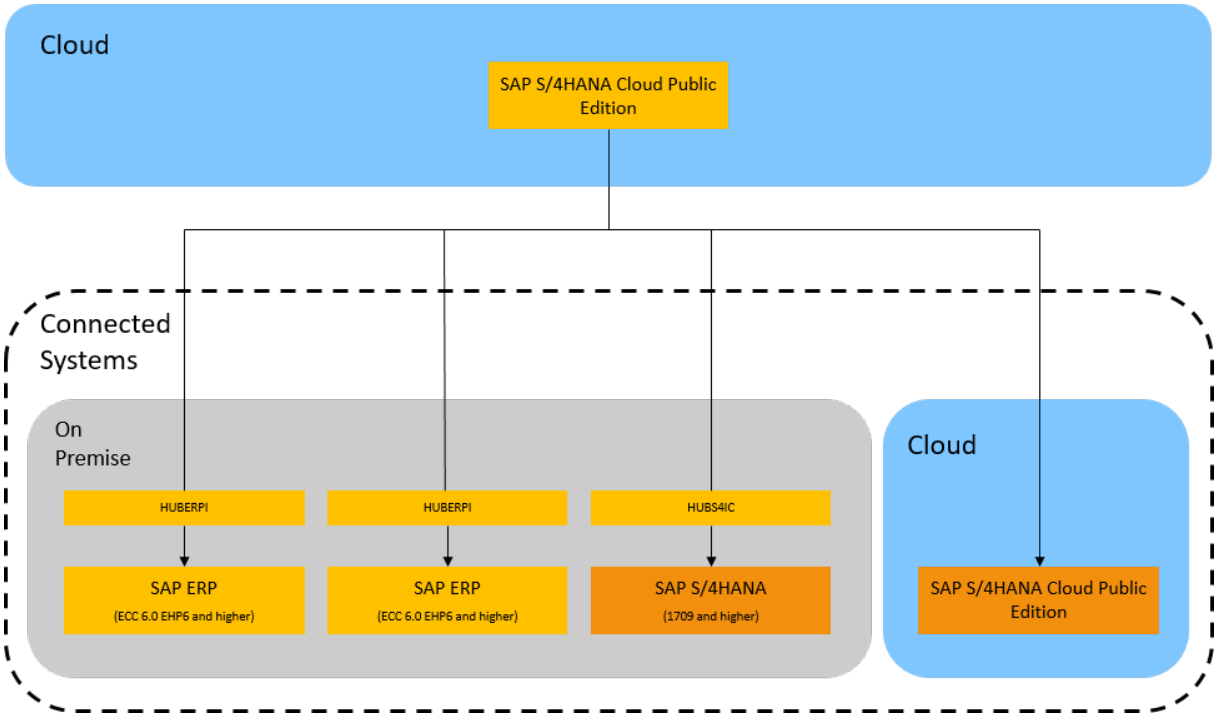
For more information on the functionalities available with different support packages for HUBS4IC, see release information note 2573672.




Deployment Option: On Premise

## Hybrid - SAP S/4HANA Cloud Public Edition and SAP S/4HANA back-end (OP)

This scenario is relevant if you want to address your strategic procurement needs in the cloud and at the same time continue to maintain OP investments for operational procurement.




Deployment Option: Hybrid - SAP S/4HANA Cloud Public Edition and SAP S/4HANA (OP)

### More Information

General Instructions to Install Add-ons

## 7.19 Follow-Up Activities for Agricultural Contract Management

Once the installation is complete, you need to perform the following activities for Agricultural Contract Management (ACM):

### Delivery Customizing

You must copy the delivery customizing for ACM from client `000` to your system-relevant clients. To compare the customizing content contained in these clients, you can execute the transaction *Customizing Cross-System Viewer* (`SCU0`). For ACM, the following application components are relevant:

- `LO-AGR-LDC`
- `LO-AGR-APP`
- `LO-AGR-STL`

- LO-AGR-CC

You can find the Customizing structure for Agricultural Contract Management in *SAP Reference IMG* (transaction **SPRO**) under *Logistics - General* > *Global Trade Management* > *Agricultural Contract Management*.

## Important SAP Notes

Make sure that you review and apply the following SAP Notes as per your requirement before you start implementing Agricultural Contract Management (ACM).

*Prerequisite*

Activate the necessary business functions before implementing the SAP Notes.

Here is a list of SAP Notes to be considered for deployment that are relevant to Agricultural Contract Management:

| SAP Note Number | Title | Description |
|---|---|---|
| 3638742 | ACM: Day 1 Note for Maintain ACM Application S/4HANA 2025 FPS00 | This note contains information on the list of SAP Notes to be followed and implemented for *Maintain ACM Applications* app for mass processing. |
| 3678393 | CPE: Internal exchange order based pricing using CDOTE | This note must be implemented to enable internal exchange order based pricing functionality with CDOTE and price future conditions. This note also contains information on the manual activities required. |
| 1909425 | SFW- Activation error in Dictionary: clear up the inconsistencies | This note provides information about how you can copy missing delivery customizing in your relevant client by activating all the switch BC sets that are associated with the ACM switch. |
| 3025395 | Contract Status Configurations for Contract Closure and Amendment Process | This note provides information about the contract status configuration steps that are a prerequisite for the contract closure and contract amendment functionalities. |
| 3309724 | Co-existence of SAP Agricultural Contract Management (ACM) and other industry/LOB solutions in SAP S/4HANA | This note contains information on the industry and LoB solutions that co-exist with SAP Agricultural Contract Management (ACM) in SAP S/4HANA system. |

# 7.19.1 Integration with Oil & Gas and Commodity Management

Agricultural Contract Management (ACM) is delivered as part of Oil & Gas (IS-OIL) and is integrated with Commodity Management (CM). This integration enables the user to use various CM functions for the commodities processed based on the ACM scenarios.

## Integration

For installations:

- With ACM specific add-ons (such as, SAP Bulk Transportation Extension and/or SAP Livestock Procurement), see restriction note 3296571 SAP ACM Restriction Note for add-ons for details on business function activation.
- Without ACM specific add-ons (such as, SAP Bulk Transportation Extension and/or SAP Livestock Procurement), activate these IS-Oil business functions in the following sequence as a prerequisite before activating ACM business function `/ACCGO/BF_ECC`:
  1. `BUSINESS_FUNCTION_BASIS_COM`
  2. `COMMODITY_MGMT_&_BULK_LOGISTIC`
  3. `COMM_MGMT&BULK_LOG_1`
  4. `LOG_COMMODITY_TRANSPORT_MGMT_4`
  5. `LOG_COMMODITY_TRANSPORT_MGMT_5`

### Activating Business Functions

To activate the required business functions, perform the following steps:

1. In *SAP GUI* access the transaction code `SFW5`.
2. In the *Business Function Set* field, select *SAP Oil and Gas*.
3. Select the following business functions in the following sequence:
   1. `BUSINESS_FUNCTION_BASIS_COM`
   2. `COMMODITY_MGMT_&_BULK_LOGISTIC`
   3. `COMM_MGMT&BULK_LOG_1`
   4. `LOG_COMMODITY_TRANSPORT_MGMT_4`
   5. `LOG_COMMODITY_TRANSPORT_MGMT_5`
4. Choose *Activate Changes*.
5. Ensure these business functions are activated.
6. Activate the ACM business function `/ACCGO/BF_ECC`.

### Additional Configuration

There are a few BC sets (business configuration sets) that are not cascaded automatically. These are some of the ACM related BC sets that must be manually activated. Follow these steps to manually identify and activate them:

1. Run transaction `SCPR3`.
2. Navigate to *Utilities* > *User Settings*.

3. Select the *Allow Selection of Switch BC Sets* check box in the bottom left corner of the screen.
4. Enter **999** in the *Max. no. of BC Sets Selected* field.
5. Select the checkmark icon in the bottom right corner of the dialog box. Alternatively, press *Enter*.
6. In the menu, locate the *New BC Set Selection* icon in the panel, and then choose *Selection by Switch BC Sets*.
7. Enter `/ACCGO/*` in the field *Switch BC Set* and execute. This will fetch all the BC sets pertaining to ACM.
8. A list of BC sets is displayed on the screen. Choose the *Large BC Set List* icon in the panel to have a detailed view of the BC sets.
9. Review the list and identify the non-cascading BC sets.
10. Activate the BC sets that are not yet activated as per your requirements.

> ⓘ Note
>
> These non-cascaded business configuration (BC) sets are client-specific. You must transport the customization settings to other systems using transport requests.

## Commodity Pricing Engine

For integration with Commodity Pricing Engine (CPE), the business functions must be activated in the following sequence for ACM:

1. IS-Oil business functions as listed above
2. ACM business function: `/ACCGO/BF_ECC`

## Advanced Commodity Pricing Engine

SAP recommends using and activating advanced commodity pricing engine starting with SAP S/4HANA and SAP S/4HANA Cloud Private Edition 2025 FPS00. Prior to activating advanced commodity pricing engine, migrate your data from existing CPE to Advanced CPE.

> ⓘ Note
>
> - Refer to SAP Consulting Note 3628704 for a brief introduction of Advanced CPE, a high level overview of the data model, and the RAP business object. It also contains information on how to adapt existing CPE customizations in advanced commodity pricing engine.
> - Refer to SAP Note 3631220 for more information on data conversion for ACM users to adapt Advanced Commodity Pricing Engine (CPE) and ACM adoption of Advanced CPE.
> - Refer to SAP Note 3678393 for enabling internal exchange order based pricing functionality with CDOTE and price future conditions. This note also contains information on the manual activities required.

For integration with advanced commodity pricing engine (Advanced CPE), business functions must be activated in the following sequence for ACM:

1. IS-Oil business functions as listed above

2. ACM business function: `/ACCGO/BF_ECC`
3. Advanced CPE switch based feature toggle: `S4OP_FTGL_CMM_CPE_REDESIGN`
4. ACM adoption for Advanced CPE: `/ACCGO/NEXTGEN_CPE_ADOPTION`

### Commodity Expense Management

SAP recommends using and activating commodity expense management. It is available starting with release SAP S/4HANA Cloud Private Edition 2025 FPS00.

For more information on the business functions to be activated, refer to Commodity Expense Management in the Integration Guide.

### Advanced Commodity Risk Analytics

SAP recommends using and activating Advanced Commodity Risk Analytics. It is available starting with release SAP S/4HANA Cloud Private Edition 2025 FPS00.

For more information on the business functions to be activated, refer to SAP Advanced Commodity Risk Analytics in the Integration Guide.

### Foreign Exchange Risk Management for Commodity Businesses

SAP recommends using and activating Foreign Exchange Risk Management for Commodity Businesses. It is available starting with release SAP S/4HANA Cloud Private Edition 2025 FPS00.

For activation refer to Foreign Exchange Risk Management for Commodity Businesses .

## 7.19.2 Integration with Prepayment Agreements

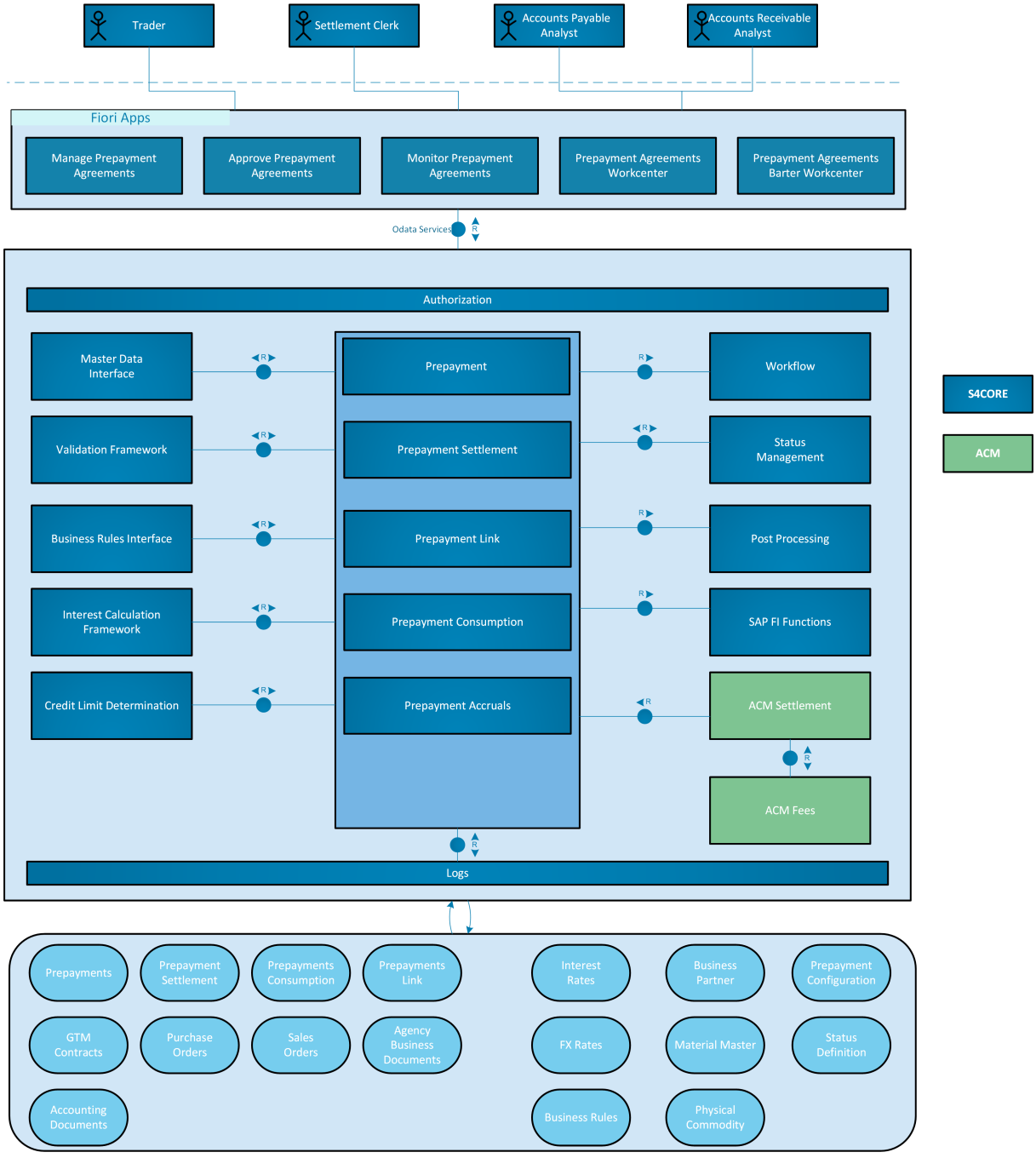
Agricultural Contract Management (ACM) is integrated with Prepayment Agreements (CA-PPA). This integration enables the user to use various Prepayment Agreements functions in the agribusiness context.

### Integration

To enable integration between ACM and Prepayment Agreements (`CA-PPA`), activate the business function `/ACCGO/BF_ECC` and `BUSINESS_FN_PPMG`.

> **Note**
>
> Refer to SAP Note 3519685 for more information on the changes in prepayments business functions in SAP S/4HANA and SAP S/4HANA Cloud Private Edition 2025.

The following figure provides an overview of the integration between ACM and CA-PPA in the SAP S/4HANA Core landscape.



# 7.20 Follow-Up Activities for Commodity Management

Once the installation is complete, you need to perform the following activities for Commodity Management.

To implement Commodity Management in SAP S/4HANA Cloud Private Edition 2025, you need a valid license (either the SAP Commodity Management overall license, or SAP Commodity Management for physical contracts for SAP S/4HANA, or SAP Commodity Risk Management for SAP S/4HANA). With the valid license for Commodity Management in place, you can implement Commodity Management in SAP S/4HANA Cloud Private Edition 2025 by activating one or more of the following business functions as per your requirement:

## Core Business Functions

| Business Function | Description |
|---|---|
| `LOG_CPE_SD_MM` | Commodity Management Sales/Purchase (Logistics, CPE in SD and MM): For physical buying and selling of commodities starting with contract fulfilment to settlement.<br><br>You need a license either for the SAP Commodity Management or the SAP Commodity Management for physical contracts for SAP S/4HANA. |
| `FIN_TRM_COMM_RM` | Commodity Risk Management: For commodity derivatives and hedging.<br><br>You need a license either for the SAP Commodity Management or the SAP Commodity Risk Management. |
| `LOG_CMM_OIL` | Commodity Management for Oil & Gas: For commodity management in oil and gas industry. If applicable implement or activate the business function as per your requirement. |
| `LOG_CMM_PRC_BF_CMMDTY_QTY` | Commodity Quantity Specification: Applicable across industries. If applicable implement or activate the business function as per your requirement. |

## Commodity Pricing Engine

For Oil & Gas industry activate the following business functions:

- `BUSINESS_FUNCTION_BASIS_COM`
- `COMMODITY_MGMT_&_BULK_LOGISTIC`
- `LOG_COMMODITY_TRANSPORT_MGMT_5`

## Advanced Commodity Pricing Engine

Advanced Commodity Pricing Engine (Advanced CPE) is a new version of the Commodity Pricing Engine that is based on the ABAP restful programming language (RAP).

Advanced CPE offers additional capabilities and enables you to integrate with logistic applications. It is used to calculate prices of commodities or products containing commodities traded at exchanges and for commodity forward indexes. It can handle complex pricing rules that arise from business negotiations, using price quotations, and currency data.

After the installation is complete, you need to perform the following activities for Advanced Commodity Pricing Engine.

### Activating Advanced Commodity Pricing Engine

For activating advanced commodity pricing engine, activate the business function `S4OP_FTGL_CMM_CPE_REDESIGN`.

> **Note**
>
> This is applicable for all industries other than ACM.

### Prerequisites

- Activate the necessary business functions before implementing the SAP Notes.
- Make sure that you review and apply the following SAP Notes as per your requirement before you start implementing Advanced Commodity Pricing Engine.

### Important SAP Notes

Here is a list of SAP Notes to be considered for deployment that are relevant to Advanced Commodity Pricing Engine:

| SAP Note Number | Description |
|---|---|
| 3628704 | Introduction to Advanced Commodity Pricing Engine (Advanced CPE), a high level overview of the data model and RAP business object. It also contains information on how to adapt existing CPE customizations in Advanced CPE. |
| 3631291 | Data Conversion Guide for Advanced Commodity Pricing Engine (Advanced CPE) that is relevant for commodity customers (non-ACM customers) |
| 3631220 | Data Conversion Guide for Advanced Commodity Pricing Engine (Advanced CPE) and ACM adoption of Advanced CPE for Agricultural Contract Management (ACM) customers |
| 3645527 | CPE Interface API for Advanced CPE (Commodity Pricing) |
| 3652472 | Advanced CPE: Missing new calculation routine in calculation rule |
| 3655618 | Advanced CPE: Formula is picking up wrong term rate when the forecast routine is used |
| 3686515 | Advanced-CPE data conversion : Day 1 release notes |

| SAP Note Number | Description |
| --- | --- |
| 3678393 | This note must be implemented to enable internal exchange order based pricing functionality with CDOTE and price future conditions. This note also contains information on the manual activities required. |

### Commodity Expense Management

SAP recommends using and activating commodity expense management. It is available starting with release SAP S/4HANA Cloud Private Edition 2025 FPS00.

For more information on the business functions to be activated, refer to Commodity Expense Management in the Integration Guide.

### Advanced Commodity Risk Analytics

SAP recommends using and activating Advanced Commodity Risk Analytics. It is available starting with release SAP S/4HANA Cloud Private Edition 2025 FPS00.

For more information on the business functions to be activated, refer to SAP Advanced Commodity Risk Analytics in the Integration Guide.

### Foreign Exchange Risk Management for Commodity Businesses

SAP recommends using and activating Foreign Exchange Risk Management for Commodity Businesses. It is available starting with release SAP S/4HANA Cloud Private Edition 2025 FPS00.

For activation refer to Foreign Exchange Risk Management for Commodity Businesses .

## 7.20.1 Deal Capture

Once the installation is complete, you need to perform the following activities for Deal Capture.

These business functions are optional and mostly recommended for the energy, oil and gas industry.

### Business Functions

| Business Function | Purpose |
| --- | --- |
| `/DMBE/MANDATORY_FUNCTIONS` | Deal Management Mandatory Functions |
| `/DMBE/FLEXIBLE_WORKFLOW` | Flexible Workflow for Deal Capture |
| `/DMBE/EXCHANGE_AGREEMENTS` | Exchange Agreements |
| `/DMBE/ATTACHMENT_SERVICE` | DMS Attachment Service |
| `/DMBE/DPP` | Data Protection & Privacy Integration |
| `/DMBE/TSW_UI_ENHANCEMENTS` | TSW UI Enhancements |

## 7.21 Follow-Up Activities for Prepayment Agreements

Once the installation is complete, you need to perform the following activities for Prepayment Agreements (CA-PPA).

To enable integration between ERP and Prepayment Agreements (CA-PPA), activate the business function `BUSINESS_FN_PPMG`.

> **Note**
>
> Refer to SAP Note 3519685 for more information on the changes in prepayments business functions in SAP S/4HANA and SAP S/4HANA Cloud Private Edition 2025.

### Delivery Customizing

You must copy the delivery customizing for Prepayment Agreements from client 000 to your system-relevant clients. To compare the customizing content contained in these clients, you can execute the transaction *Customizing Cross-System Viewer* (`SCU0`). For Prepayment Agreements, the application component CA-PPA is relevant.

You can find the Customizing structure for Prepayment Agreements in SAP Reference IMG (transaction `SPRO`) under *Cross-Application Components* > *Prepayment (CA-PPA)*.

### Important SAP Notes

Before you start implementing prepayment agreement functionality, make sure you review the following SAP Notes.

List of SAP Notes

| SAP Note Number | Title | Description |
| --- | --- | --- |
| 3228218 | Master Note / Collective Note for Prepayment functionality. | This note allows you to enable improvements in the Prepayment functionality. |
| 3256461 | User Interface related note for ACM Prepayment functionality | Language Text Corrections |
| 3519685 | S4TWL - Business Function /ACCGO/BF_FP01 is removed from S/4 HANA 2025 SP 00 release | This note contains important information regarding the business functions to activate in case you are upgrading from an older release to SAP S/4HANA and SAP S/4HANA Cloud Private Edition 2025 or later. |

## 7.22 Follow-Up Activities for Policy Management

With Policy Management (FS-PM), you can map the whole life cycle of an insurance contract, starting from the creation of an application, through policy issuance and ongoing contract maintenance, right up to the termination of the contract.

### SAP Notes for the Installation of Policy Management

| SAP Note Number | Title |
| --- | --- |
| 3631506 | Release Information Note (RIN) for Policy Management and Claims Management in SAP S/4HANA 2025 |

### Activating Business Function /PM0/INS_FSPM

To use the functions of Policy Management, you must activate the `/PM0/INS_FSPM` (*Insurance, SAP Policy Management*) business function (with transaction `SFW5`, *INSURANCE* > */PM0/INS_FSPM* ).

## Connecting a Product Engine

Each policy is based on a product that is defined in a product engine. For this reason, Policy Management for Insurance is always connected to a single product engine, which is usually one of the following:

- msg.PMQ (see also Follow-Up Activities for Insurance Product Engine msg.PMQ [page 84])
- SAP Product, Quotation and Underwriting Management (FS-PRO)

> ⓘ Note
>
> Only one product engine can be connected to Policy Management for Insurance. It is not possible to integrate multiple FS-PRO systems, or multiple msg.PMQ systems, with Policy Management for Insurance.

## Customer Variants for Group Insurance Features

If you want to use Group Insurance Features in Policy Management you have to check if the corresponding customer variant is activated in Policy Based Technology (PBT). To do so proceed as follows:

1. Start transaction `/PM0/3FW_START`.
2. In the context menu of *Workplace*, choose *Customer Variant*.
3. Enter application **`00001`** for FS-PM.
4. Check if the customer variant `PMG` is available.
   If it is not there proceed as follows:
   1. Add the customer variant `PMG` and assign `PM0` as the previous customer variant.
   2. Change the customer variant `MVA` (for *Auto* line of business) by assigning `PMG` as the previous customer variant.
   3. Select the *Active* checkbox for the customer variant `MVA`.

   The *Customer Variants* screen should look like as follows:

| Sequence | Customer Variant | Active | Previous Customer Variant |
|---|---|---|---|
| 1 | `PM0` | not active | <No entry> |
| 2 | `PMG` | not active | `PM0` |
| 3 | `MVA` | X (= active) | `PMG` |

5. If you have an own customer variant, add this customer variant with the following settings:
   - Make sure that this and only this entry is selected as *Active*.
   - Enter `MVA` as the previous customer variant.

## 7.23 Follow-Up Activities for Insurance Product Engine msg.PMQ

You can use the product engine msg.PMQ to define and calculate insurance products. msg.PMQ consists of the following:

- PMQ.Designer
  PMQ.Designer is a desktop application that has to be installed on the client computer of a PMQ.Designer user.
  For the distributed development, as well as for the central storage of the product data, a version control system is also required, which is not part of the shipment of PMQ.Designer. It has to be installed and administered separately.
  PMQ.Designer generally supports all version control systems that are capable of being integrated into Eclipse.
  For the operation, we recommend a version control system on the basis of Apache Subversion (SVN).
- MSGPMCON
  The msg.PM connection (MSGPMCON) is the link between msg.PMQ and Insurance Policy Management (FS-PM) as part of SAP S/4HANA.
  The main tasks of MSGPMCON are the following:
  - Management of the product data for the import into In-Force Business Configurator (IFBC) of FS-PM
  - Forwarding of calculation requests from FS-PM to TOMATOSJ
- TOMATOSJ
  TOMATOSJ has to be installed as a software component on SAP HANA XSA. Installation and administration is handled by mechanisms of the XSA platform.
  During the installation, a customer-specific configuration file can be specified to adapt several default values.

For more information, see the attachments in SAP Note 2635864.

## 7.24 Follow-Up Activities for Transportation Management

After the installation, you need to carry out the following activities for Transportation Management (TM):

- In order to use automatic planning with the optimizer, you must install the SAP SCM Optimizer. In order to use detailed mixed package building, you must install the Package Building Optimizer. For more information, see SAP Note 1686826.
- Check whether all services in the following SICF paths have been activated (transaction SICF):
  - `/default_host/sap/bc/webdynpro/scmtms/*` (all TM WebDynpro apps)
  - `/default_host/sap/bc/ui5_ui5/scmtms/*`
  - `/default_host/sap/bc/bsp/gntlb`
  - `/default_host/sap/bc/bsp/scmtms/*`
  - `/default_host/sap/bc/apc/sap/fpm_apc`
  - `/default_host/sap/public/bc/ui5_ui5/ILMRWC`

- `/default_host/sap/bc/srt/xip/scmtms` (only if Web-Service-based communication is required; not required if only PI-based communication is used)

For successful installation, always check the SAP Note 3615236 (SAP S/4HANA 2025 Supply Chain for Transportation Management - Release Information) for the most current implementation details.

## 7.25 Follow-Up Activities for Production Planning and Detailed Scheduling (PP/DS)

In order to use optimizers in PP/DS (Production Planning Optimizer or PP/DS Optimizer), you must install the SAP SCM Optimizer.

For more information, see SAP Note 1686826.

## 7.26 Follow-Up Activities for Data Quality Management, version for SAP Solutions

After installation, several follow-up activities are necessary to set up Data Quality Management, version for SAP Solutions.

Your follow-up activities depend on whether you are using SAP HANA smart data quality, SAP Data Services, and/or SAP Data Quality Management, microservices for location data as the underlying engine.

For more information, see the product assistance on the SAP help portal by following this path: https:// help.sap.com > SAP S/4HANA > Product Assistance (English) > Enterprise Technology > Data Quality Management, version for SAP Solutions.

## 7.27 Follow-Up Activities for Service

After the installation, you need to carry out the following activities for Service:

### Delivery Customizing

You have to copy the delivery Customizing for Service from client 000 to your relevant clients. You can run transaction *Customizing Cross-System Viewer* (`SCU0`) to compare Customizing contents in the 000 client and in the client in your system.

You set up Service in Customizing under:

- *Service*
- *Integration with Other SAP Components* > *Customer Relationship Management*

### Activate Internet Communication Framework (ICF) Services

For information about the ICF services that you have to activate for WebClient UI apps, see the product assistance for SAP S/4HANA on the SAP help portal at https://help.sap.com/s4hana_op_2025 *Enterprise Technology* > *SAP Fiori* > *SAP Fiori Overview* > *Implement SAP Fiori Apps* > *Implementation Tasks on Back-End Components (App Implementation)* > *Configuration Steps for SAP GUI for HTML Transactions, Web Dynpro Applications, and WebClient UI Applications* > *Activate ICF Services of WebClient UI Apps*

SAP Note 2825458 contains information on the services required for WebClient UI apps.

### Object Navigation

You can navigate from WebClient UI applications directly to other apps available in SAP Fiori launchpad. For more information, see the product assistance for SAP S/4HANA on the SAP Help Portal at https://help.sap.com/s4hana_op_2025 under *Enterprise Business Applications* > *Service* > *WebClient UI Framework* > *Integration with SAP Fiori Launchpad* > *Outbound Navigation*.

### Specific Customizing Settings for In-House Service

When you set up In-House Service in Customizing for *Service*, you must follow the instructions outlined in the Customizing section under *In-House Service* in addition to the generic settings for Service. This ensures that In-House Service operates as expected.

## 7.28 Troubleshooting

### Unable to Create New Clients

If you are unable to create new clients in transaction SCC4 or SM30 (table T000) because the *New Entries* button is missing, see SAP Note 2140167.

# Important Disclaimers and Legal Information

## Hyperlinks

Some links are classified by an icon and/or a mouseover text. These links provide additional information.
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