

PUBLIC

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SAP Simple Finance Add-On 1.0 for SAP Business Suite powered by SAP HANA

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Document History

Version	Date	Description
1.0	2018/10/01	Initial version of the Administrator's Guide for SAP Simple Finance Add-On 1.0 SPS 14 for SAP Business Suite powered by SAP HANA

1 SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA

The SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA serves internal and external stakeholders. In times of volatile markets, margin pressure, and sophisticated regulatory requirements, companies need a precise view of the past, immediate insight into the present, and a clear perspective of the future. The finance add-on comes with optimized financial accounting processes and supports the operational finance experts driving efficiency and compliance.

This requires a new way to run the business in real-time based on real-time processes and data. The finance add-on provides optimized business processes, lean data architecture, and a beautiful user experience.

It is a system of records based on line items as a single source of truth for operational reporting and planning. This model discloses all transactional details to reporting. As all data is available on this level, any reporting request can be handled on an ad-hoc basis. Combining line items in accounting, transactions not yet in accounting, and planning data helps to answer burning questions such as “What has happened?”, “Why did it happen?”, “What is happening now?”, “What will happen next?”. As the line items are the only data structures to be extended, adapting the system is easier. Business flexibility on one hand and accounting stability on the other are no longer a contradiction.

2 Getting Started

About this Document

This document is the single source of information for the implementation of the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA. It contains implementation information as well as security and operation information, and is divided into the following main sections:

- Introduction with references to related documents and relevant SAP notes
- System Landscape
- Installation and Migration
- Operation Information
- Security Information

> **i Note**
>
> You can find the most current version of this document on SAP Help Portal at http://help.sap.com/erp.
>
> We strongly recommend that you use the document available there. The guide will be updated according to updates of the software.

Before you Start your Implementation

We strongly recommend that you read the following must-knows carefully before you install the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA:

1. The finance add-on replaces the classic Financials applications in your SAP ERP system.
2. Some industry solutions and SAP ERP add-ons are not fully compatible with the finance add-on.
3. Handle the required SP levels for SAP ERP 6.0 EHP7 and for SAP NetWeaver 7.40 with the utmost caution and as described in this guide.
4. Before you install the finance add-on, you must prepare the migration of application data. These steps require specific financials application knowledge.
5. Install the finance add-on using the Software Update Manager (SUM). Ensure that you have downloaded the latest version of it from the SAP Help Portal. In addition, you must install two SAP HANA Live packages using the HANA Lifecycle Manager (HLM).
6. To run the financials applications, you must migrate the application data first. For SPS 02, SPS 03, SP04, and SP05, some additional configuration is required. For more information, see *Installation of and Migration to the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA*.
7. Please read the following SAP Notes carefully:
   - *Release Information Note: SAP Simple Finance add-on for SAP Business Suite powered by SAP HANA 1.0* (SAP Note 1925902)
   - *SAP Simple Finance add-on for SAP Business Suite powered by SAP HANA 1.0: Release Scope Information* (SAP Note 1968568)

- *Activation errors for SAP HANA content package "sap.hba.ecc" in SAP Simple Finance add-on for SAP Business Suite powered by SAP HANA* (SAP Note 1967187)

Related Information

Planning Information

For more information about implementation topics not covered in this guide, see the following content on SAP Help Portal:

Content	Location
Latest versions of installation and upgrade guides	http://help.sap.com/erp
Sizing, calculation of hardware requirements, such as CPU, disk and memory resource, with the Quick Sizer tool	https://www.sap.com/about/benchmark/sizing.quick-sizer.html#quick-sizer
Released platforms and technology-related topics such as maintenance strategies and language support	https://support.sap.com/en/release-upgrade-maintenance.html To access the Platform Availability Matrix directly, enter http://support.sap.com/pam
Network Security	http://help.sap.com/sfin
High Availability	http://www.sdn.sap.com/irj/sdn/ha
Performance	https://www.sap.com/about/benchmark/sizing/performance.html
Information about Support Package Stacks, latest software versions and patch level requirements	http://support.sap.com/sp-stacks
Information about Unicode technology	http://www.sdn.sap.com/irj/sdn/i18n
Information about SAP HANA	http://help.sap.com/hana
Technical Operations Manual for SAP HANA	http://help.sap.com/hana_appliance

Further Useful Links

The following table lists further useful links:

Content	Location
Information about creating error messages	https://launchpad.support.sap.com/#/solutions/notesv2/%3Fq=KB%26sortBy=score%26sortOrder=desc
SAP Notes search	http://support.sap.com/notes
SAP Software Distribution Center (software download and ordering of software)	http://support.sap.com/swdc
SAP Online Knowledge Products (OKPs) – role-specific learning maps	http://support.sap.com/ekt
Additional information about SAP HANA	http://www.saphana.com/
General information about SAP HANA Live for SAP Business Suite	http://help.sap.com/hba
Information about SAP HANA Live for SAP Simple Finance	http://help.sap.com/sfin100
General information about SAP Fiori for SAP Business Suite	http://help.sap.com/fiori
General information about SAP Smart Business Cockpits	http://help.sap.com/ssb
SAP BusinessObjects Analysis, edition for Microsoft Office	http://help.sap.com/boao

Related Guides

You can find more information about the relevant applications in the following documents:

Content	Location
SAP Enhancement Package 7 for SAP ERP 6.0 – Installation and Upgrade Information	https://help.sap.com/viewer/p/SAP_ERP
SAP HANA Live for the SAP Simple Finance Aministrator's Guide	http://help.sap.com/sfin100
SAP Netweaver 7.40 – Installation and Upgrade Information	http://help.sap.com/nw74

Content	Location
User Interface Add-On 1.0 for SAP NetWeaver – Installation and Upgrade Information	http://help.sap.com/nw-uiaddon
SAP HANA Platform – Installation and Upgrade Information	http://help.sap.com/hana_platform

Software Logistics Toolset

Content	Location
Software Update Manager	http://support.sap.com/sltoolset *Software Logistics Toolset 1.0* *SUM*
System Copy Guide	http://support.sap.com/sltoolset *Software Logistics Toolset 1.0* *Software Provisioning Manager* Choose *Copy. Syst. bsd. on NW 7.3 or Higher Using SW Prov. Mgr*.
Dual-Stack Split Guide	http://support.sap.com/sltoolset *Software Logistics Toolset 1.0* *Dual-Stack Split*
Software Provisioning Manager	http://support.sap.com/sltoolset *Software Logistics Toolset 1.0* *Software Provisioning Manager* Choose *Inst. Syst. bsd. on NW 7.3 or Higher Using SW Prov. Mgr*.

Important SAP Notes

You must read the following SAP Notes before you start the installation of the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA. These SAP Notes contain the most recent information on the installation, as well as corrections to the installation documentation.

Make sure that you have the up-to-date version of each SAP Note, which you can find on SAP Help Portal at http://support.sap.com/notes.

SAP Note Number	Title	Description
1925902	Release Information Note: SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA 1.0	Contains information and references to SAP Notes on the initial installation and on applying support package stacks (SPS) for the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA.
1939991	Release strategy: SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA	Contains information on the technical installation and underlying software stacks of the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA.
1968568	SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA 1.0: Release Scope Information	Contains information on the business processes released for usage with the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA. Contains information on enterprise extensions and industry solutions that can be used with the finance add-on.
1976158	SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA 1.0: Compatible Add-ons	Contains information on SAP ERP add-ons that are also compatible with the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA.
1944871	Release strategy for components RE, RE-FX with SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA	Contains information on the release strategy for application components RE and RE-FX with the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA.
1946054	SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA: Transaction codes and programs – Comparison to EHP7 for SAP ERP 6.0	Contains a comparison of different transactions and reports used in SAP Enhancement 7 for SAP ERP 6.0 and the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA.
1972819	Setup Integrated Business Planning	Contains detailed information on the setup of Integrated Business Planning.
1974650	SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA: ICF Service Information	Contains information on ICF Services used with the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA.
1971111	Browser Requirements for the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA	Contains information on browser requirements and settings.

SAP Note Number	Title	Description
1967187	Activation errors in `sap.hba.ecc` in the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA	Contains information on HANA Live content activation errors for package `sap.hba.ecc` when being deployed to a finance add-on system.
1939592	Pre-check report for migrating to new Asset Accounting	Contains a check report to verify the prerequisites for migrating to new asset accounting that should be implemented and used before the installation of SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA.
1820588	SAP Release Note for SAP HANA Lifecycle Manager	Used to perform an automated update of the SAP HANA Appliance 1.0 SPS06 and higher releases.
1514967	SAP HANA: Central Note	Central SAP note for SAP In-Memory Appliance (SAP HANA).
1514966	SAP HANA 1.0: Sizing SAP In-Memory Database	Contains information about sizing for the SAP In-Memory Database (SAP HANA).
1681092	Multiple SAP HANA databases on one appliance	Contains support information and special considerations for multiple SAP HANA databases on a single SAP HANA appliance.
1826100	Multiple applications SAP Business Suite powered by SAP HANA	Contains information on SAP HANA-based applications that can be used on the same SAP HANA instance together with the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA.
855534	Dual Stack and SAP Business Suite 7	Contains information about the implementation of a Dual Stack with SAP Business Suite 7.
1051576	Conversion of Single Code Page Systems to Unicode	Contains information about converting a non-Unicode SAP system to Unicode.

3 System Landscape

3.1 Introduction

The SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA covers SAP Accounting powered by SAP HANA and SAP Cash Management powered by SAP HANA, and is complemented by SAP HANA Live 1.0 content designed for the finance add-on.

The SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA offers a similar, but not the same, functional scope to the core Financials applications delivered with SAP enhancement package 7 for SAP ERP 6.0. When you install the finance add-on, it replaces the core Financials applications of SAP enhancement package 7 for SAP ERP 6.0. Unlike SAP enhancement package 7 for SAP ERP 6.0, the finance add-on does not use business functions in the same way, that is, innovations provided by the finance add-on are available without switching.

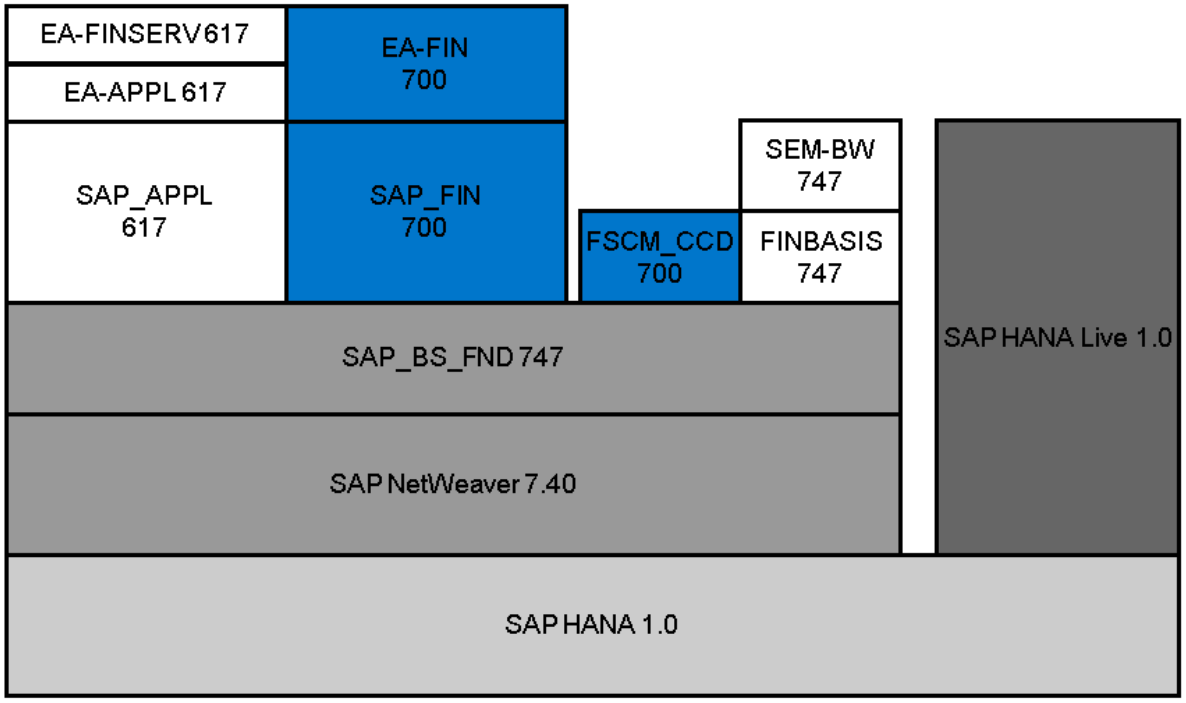
For an overview of the innovations contained in the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA, see the release notes and the application help on SAP Help Portal at http://help.sap.com/sfin100.

For a comparison between the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA and the Financials applications delivered with SAP enhancement package 7 for SAP ERP 6.0, see SAP Note 1946054.

For more information about the business processes released with the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA, see SAP Note 1968568.

3.1.1 Technical System Landscape

The SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA is a standard product developed on the basis of SAP NetWeaver and SAP ERP. The figure below provides an overview of the minimal system landscape for the finance add-on and is followed by an explanation:



System Landscape for the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA

Software Units for SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA 1.0

With the installation of the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA 1.0, the following software units are installed:

Software Component Version	Product Version – Instance	Required Product Version – Instance	Required or Optional	Deployment	Scenarios
SAP_FIN 700	SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA 1.0 (`SAP SFINANCIALS`)	SAP enhancement package 7 for SAP ERP 6.0 (`EHP7 FOR SAP ERP 6.0`) – Applications for FIN 700	Required	Deployed on the SAP ERP 6.0 system	SAP Accounting powered by SAP HANA SAP Cash Management powered by SAP HANA
EA-FIN 700					
FSCM_CCD 700					

Software Component Version	Product Version – Instance	Required Product Version – Instance	Required or Optional	Deployment	Scenarios
SAP IW GIL 100	1.0) – Central Applications (FIN)				Integrated Business Planning
XI Content SAP_FIN 700	SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA – XI/ESR Content		Optional	Deployed on the XI / PI server	SAP Accounting powered by SAP HANA SAP Cash Management powered by SAP HANA
XI Content EA-FIN 700					
XI Content FSCM_CCD 700					

IW_GIL 100 provides a generic oData adapter for content based on the generic interaction layer (GenIL) in the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA.

The installation of the finance add-on requires additional SAP ERP 6.0 software units to be updated to SAP enhancement package 7 for SAP ERP 6.0. The stack calculation (using MOPZ) for the installation of the finance add-on automatically considers this. The minimum required set of software units is included in the instance *Applications for FIN 700* and the software units are listed in the following table:

Software Component	Required Version for Financials Add-On for SAP Business Suite powered by SAP HANA	Instances Included in Instance *Applications for FIN 700*
SAP_APPL	617	Central Applications
EA-APPL	617	
EA-FINSERV	617	Financial Services
FINBASIS	747	Strategic Enterprise Management
SEM-BW	747	
WEBCUIF	747	ABAP Technology for EHP7 FOR SAP ERP 6.0
SAP_BS_FND	747	
SAP_AP	700	
MDG_FND	747	
MDG_APPL	617	Master Data Governance

> ⚠ Caution
>
> Not all SAP ERP 6.0 enterprise extensions, industry solutions, or SAP ERP 6.0 add-ons are supported for use with the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA. For an up-to-date overview of the compatible enterprise extensions, industry solutions and SAP ERP add-ons released for usage together with the finance add-on, see SAP Note 1968568 and add-on SAP Note 1976158.

As the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA is embedded into an SAP enhancement package 7 for SAP ERP 6.0 installation and is tightly integrated with other SAP ERP applications such as Sales and Distribution and Materials Management, support packages between SAP ERP EHP7 and the finance add-on will be synchronized as shown in the following table:

SAP Enhancement Package 7 for SAP ERP 6.0	SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA
SPS 03	SPS 00
SPS 04	SPS 01
SPS 05	SPS 02
SPS 06	SPS 03
SPS 07	SPS 04
SPS 08	SPS 05
SPS 09	SPS 06
SPS 10	SPS 07
SPS 11	SPS 08
SPS 12	SPS 09
SPS 13	SPS 10
SPS 14	SPS 11
SPS 15	SPS 12
SPS 16	SPS 13
SPS 17	SPS 14

> i Note
>
> Updates to the SAP ERP 6.0 support package stack level must be done for both product versions. Typical activities for support package stack updates such as SPAU/SPDD and regression testing need to be considered for both products.

In contrast to accounting in SAP enhancement package 7 for SAP ERP 6.0, the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA comes with a simplified data model. Totals tables and application index tables have been removed and replaced with HANA views with the same technical names.

For more installation and upgrade information for SAP enhancement package 7 for SAP ERP 6.0, see http://help.sap.com/erp_607.

SAP HANA Live Components

Several new accounting reports in the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA are based on the SAP HANA Live virtual data model where the business logic is contained in SAP HANA views. These views can provide business data for various generic analytical clients such as SAP BusinessObjects Analysis, edition for Microsoft Office and SAP BusinessObjects Design Studio. In addition, operational data providers (ODPs) are used for Floorplan Manager applications.

Therefore, the operation of the finance add-on requires a minimal deployment of the SAP HANA Live 1.0 packages into the same SAP HANA installation as outlined in the following table:

Software Component Version – HANA Content Package	Product Version – Instance	Required Product Version – Instance	Required or Optional	Deployment
HCO_HBA_SFIN700 100 – sap.hba.sfin700	SAP HANA Live 1.0 for the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA – HANA Content SFIN Server (`SAP HANA ANALY. FOR SFIN 1.0`)	SAP HANA Live 1.0 for SAP ERP – HANA Content (SAP HANA ANALYTICS FOR ERP 1.0)	Required	Deployed to the SAP HANA database of the SAP ERP 6.0 system (integrated scenario)
HANA CONTENT HBA SAP SFIN 100 (HCO_HBA_SFIN700 100) – sap.hba.sfin700	SAP HANA Live 1.0 for the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA (SAP HANA ANALY. FOR SFIN 1.0)	SAP HANA Live 1.0 for SAP ERP – HANA Content (SAP HANA ANALYTICS FOR ERP 1.0)	Required	Deployed to the SAP HANA database of the SAP ERP 6.0 system (integrated scenario)

The table below explains the minimum HANA Content requirements for the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA:

SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA	HANA Content HBA SAP ECC 100	HANA Content HBA SAP SFIN 100
SPS 00	Minimum required: SPS 05	SPS 00
SPS 01	Minimum required: SPS 06	SPS 01
SPS 02	Minimum required: SPS 07	SPS 02
SPS 03	Minimum required: SPS 08	SPS 02 (SPS 03 recommended)
SPS 04	Minimum required: SPS 09	SPS 04
SPS 05 - SPS 14	Minimum required: SPS 10	SPS 05

ABAP Application Server Technology

The SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA leverages the latest features of ABAP technology.

SAP NetWeaver 7.40 is a prerequisite to run the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA.

The table below explains the minimum SAP NetWeaver 7.40 requirements for the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA:

SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA	SAP NetWeaver 7.40
SPS 00	Minimum required: SPS 05 Recommended: SPS 06
SPS 01	Minimum required: SPS 06
SPS 02	Minimum required: SPS 07
SPS 03	Minimum required: SPS 08
SPS 04	Minimum required: SPS 09
SPS 05	Minimum required: SPS 10
SPS 06	Minimum required: SPS 11

SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA	SAP NetWeaver 7.40
SPS 07	Minimum required: SPS 12
SPS 08	Minimum required: SPS 13
SPS 09	Minimum required: SPS 15
SPS 10	Minimum required: SPS 16
SPS 11	Minimum required: SPS 17
SPS 12	Minimum required: SPS 18
SPS 14	Minimum required: SPS 20

> **i** Note
>
> SAP Note 1970542 lists additional SAP Notes for SAP NetWeaver that are required for the finance add-on.

For more installation and upgrade information for SAP NetWeaver 7.40, see http://help.sap.com/nw74.

In-Memory Database Technology

The SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA is a product that leverages the benefits of in-memory computing. You use SAP HANA to run the finance add-on. The SAP HANA appliance software comes pre-installed on a specific appliance hardware system delivered in conjunction with leading SAP hardware partners.

The table below explains the minimum SAP HANA 1.0 requirements for the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA:

SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA	SAP HANA 1.0
SPS 00	Minimum required: SPS 7, minimum revision 70
SPS 01	Minimum required: SPS 7, minimum revision 72
SPS 02	Minimum required: SPS 8, minimum revision 81
SPS 03	Minimum required: SPS 8, minimum revision 82
SPS 04 - SPS 14	Minimum required: SPS 8, minimum revision 85

For more installation and upgrade information for SAP HANA Platform, see http://help.sap.com/hana_platform.

Front-End Clients

SAP recommends that you use the SAP NetWeaver Business Client (NWBC) for running the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA applications.

The table below explains the minimum NWBC requirements for the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA:

SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA	SAP NetWeaver Busines Client for HTML
SPS 00	Minimum version required: 3.5 Recommended desktop version: 4.0
SPS 01 - SPS 14	Same as above

The SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA offers a set of PFCG user roles tailored for NWBC. These roles have the prefix `SAP_SFIN_`.

For information on browser requirements for the finance add-on, see SAP Note 1971111.

Integrated Business Planning applications for the finance add-on integrate into Microsoft Excel by using SAP BusinessObjects Analysis, edition for Microsoft Office (Analysis Office).

For more information on User Interface Add-On 1.0 for SAP NetWeaver including information for SAP NetWeaver Business Client, see http://help.sap.com/nw-uiaddon.

For more installation and upgrade information on SAP BusinessObjects Analysis, edition for Microsoft Office, see http://help.sap.com/boao.

SAP Fiori and SAP Smart Business

Dedicated SAP Fiori and SAP Smart Business bundles of apps are available for the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA.

> **i Note**
>
> The SAP Fiori fact sheets available for Financials are not specific to the finance add-on. These fact sheets are already part of SAP Fiori 1.0 for SAP ERP 6.0, EHP 7.

For information about the available apps and detailed implementation information, see http://help.sap.com/fiori.

The front-end components for SAP Fiori and SAP Smart Business apps are delivered with separate add-on products, as described in the tables below, and are deployed on a SAP NetWeaver Gateway 2.0 front-end server or co-deployed on the finance add-on back-end system.

Product	Technical Name	Release Information Note	Product Availabilty Matrix (PAM)	Comments
SAP Fiori for the SAP Simple Finance Add-On 1.0 for SAP Business Suite powered by SAP HANA	`SAP FIORI FOR SAP SFIN 1.0`	1955437	http://support.sap.com/pam	/
SAP Smart Business for the SAP Simple Finance Add-On 1.0 for SAP Business Suite powered by SAP HANA	`SAP SMART BUSINESS FOR SFIN 1.0`	1778607 (SAP HANA Live content) 1919137 (Front-End Server content)	http://support.sap.com/pam	Requires the installation of additional SAP HANA Live content in the finance add-on back-end systems for **both** deployment scenarios

The following table contains the SPS dependencies:

Finance Add-On 1.0 (Back End)	SPS 03	SPS 04	SPS 05	SPS 06	SPS 07 and higher
SAP Fiori for the SAP Simple Finance Add-On 1.0 for SAP Business Suite powered by SAP HANA	SPS 03	SPS 04	SPS 05	SPS 06	SPS 06 (no further deliveries)
SAP Smart Business for the SAP Simple Finance Add-On 1.0 for SAP Business Suite powered by SAP HANA	SPS 02	SPS 03	SPS 04	SPS 05	SPS 05 (no further deliveries)

Implementation Considerations

The SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA currently targets the server installations of ECC Server for SAP ERP only.

To check if the functions that you are planning to implement are released for use with the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA, see SAP Note 1968568.

→ Recommendation

Read the information on the update and the upgrade process steps required to enable SAP enhancement package 7 for SAP ERP 6.0 to run on SAP HANA and the steps required to update a system already running on SAP HANA to SAP enhancement package 7 for SAP ERP 6.0 in the related guides.

4 Installation of and Migration to the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA

4.1 Introduction

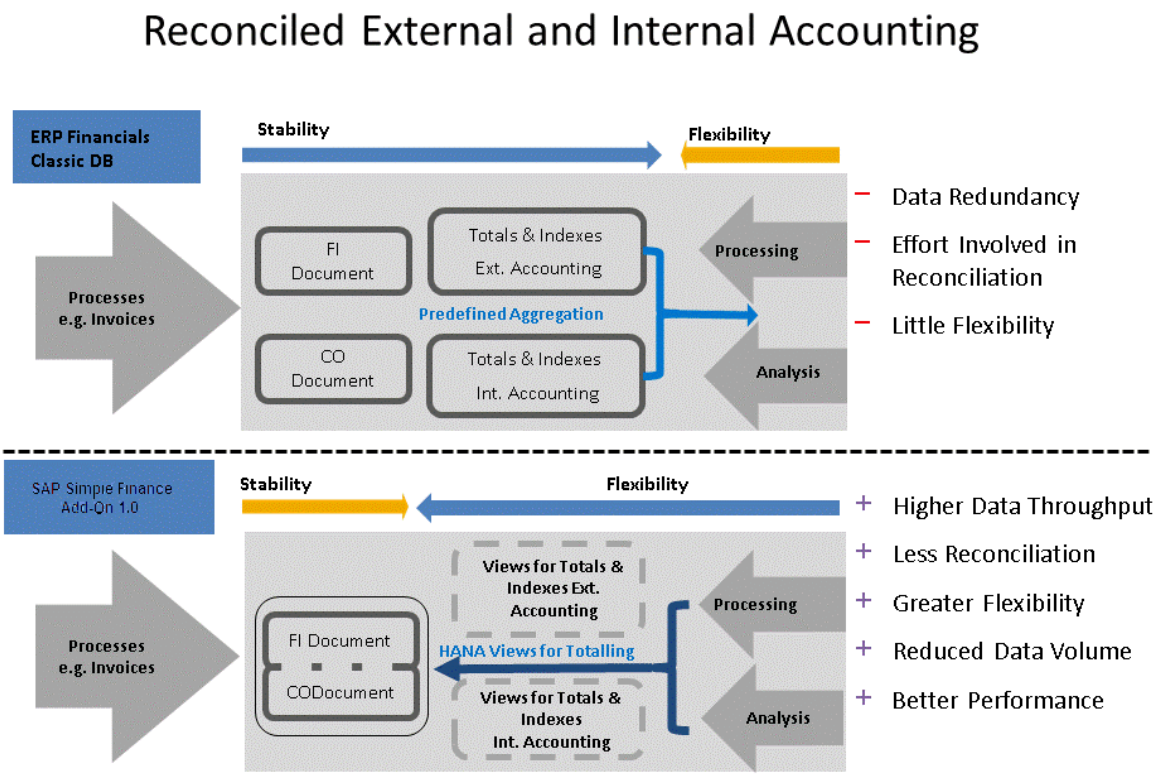
This chapter gives you an overview of the process steps required to enable the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA to run on SAP HANA. It also provides references to the documentation required for the process steps.

In contrast to Accounting in SAP enhancement package 7 for SAP ERP 6.0 and the classic database approach, the finance add-on for SAP Business Suite powered by SAP HANA comes with a simplified data model. HANA views replace totals tables and application index tables and these HANA views have the same technical names as the previously used tables. In addition, Financial Accounting (FI) documents and Controlling (CO) documents are connected on item level, allowing for drill-down reporting across both application areas.

This simplified data model has the following benefits:

- Reduced data redundancy with higher data throughput
- Less effort involved in reconciliation
- Greater flexibility
- Reduced data volume and better performance

The benefits of this simplified data model described above is illustrated in the following figure:



Due to this simplified data model, you must migrate the application data during the implementation of the finance add-on.

4.1.1 Installation and Migration Process

Use

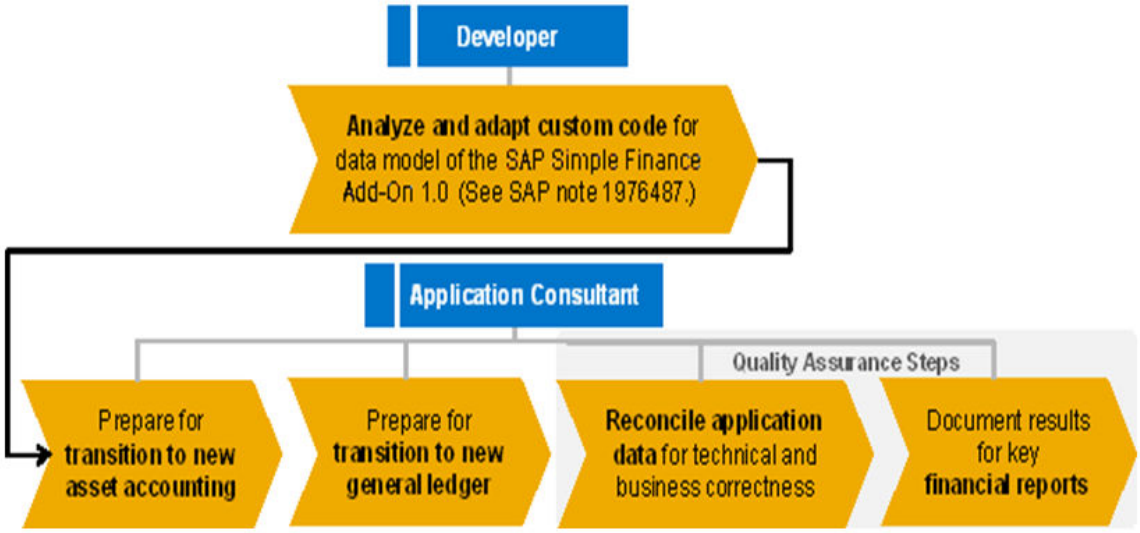
The installation and migration process consists of the steps listed below, some of which may be optional depending on your initial configuration. If you are already using SAP ERP 6.0 and want to use the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA functions, you must migrate the application data. However, if you using an SAP product for these application for the first time, then you do not need to follow the migration steps.

When you have completed the installation and migration process, you can start the configuration of additional features offered by the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA. For more information on selected topics, see the section *Additional Configuration* in this guide. For more information on the finance add-on, see SAP Help Portal at http://help.sap.com *SAP Business Suite* *SAP HANA Innovations for SAP Business Suite* *Products Powered by SAP HANA* *SAP Simple Finance Add-On 1.0 for SAP Business Suite powered by SAP HANA*.

> **i Note**
>
> Before you can use SAP Cash Management powered by SAP HANA, some technical steps are required in the system. This applies to both new and existing customers. For more information, see *SAP Note Data Setup Guide for SAP Cash Management powered by SAP HANA* (2092394).

Prerequisites

The below figure shows the steps you should perform before installing the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA and is followed by a table that describes the steps:



Pre-Installation Steps

Pre-Installation Steps

Step	Relevance	Responsibility	Description and Further Information
Consider making a homogeneous system copy to preserve you current status, so you have a reference or fallback system in place	Optional but recommended	System Administrator	For more information about a system copy of systems based on SAP NetWeaver 7.3 (or higher), see the documentation at http://support.sap.com/sltoolset *Software Logistics Toolset 1.0* > *Software Provisioning Manager 1.0*. For more information about a system copy of systems based on SAP NetWeaver releases lower than 7.3, see the SAP NetWeaver installation guides at http://help.sap.com/erp *Installation and Upgrade Guides* > *SAP NetWeaver*.
Analyze and adapt custom code to comply with the new accounting data model of the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA	Mandatory only if you have custom code or specific programs that are non-standard SAP code	Developer	If you have custom code or specific programs that are non-standard SAP code, then you must analyze and adapt this code to ensure it is compatible with the new accounting data model for the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA. For example, you should check if you have custom code that accesses tables and views in a way that is invalid for the finance add-on data model. Depending on your current version of SAP ERP 6.0, you can prepare the necessary changes before installing the finance add-on. For more information, see SAP Note1976487.

Step	Relevance	Responsibility	Description and Further Information
Prepare for transfer to new asset accounting	Mandatory	Application Consultant	The SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA offers a new asset accounting. Implement SAP Note 1939592 to get the precheck report for migrating to new asset accounting. You must complete the following preparations for migrating to new asset accounting: • Check the prerequisites for using new asset accounting. • Complete the periodic asset postings. • Run the periodic depreciations. For more information, see SAP Library on SAP Help Portal at http://help.sap.com *SAP Business Suite* > *SAP HANA Innovations for SAP Business Suite* > *Products Powered by SAP HANA* > *SAP Simple Finance Add-On 1.0 for SAP Business Suite powered by SAP HANA* > *Application Help* > *Migration of SAP ERP Financials to SAP Accounting powered by SAP HANA* > *Migration to New Asset Accounting (FI-AA (New))*.

Step	Relevance	Responsibility	Description and Further Information
Prepare for transfer to new general ledger	Mandatory if you have not yet used the new general ledger	Application Consultant	For more information, see http://help.sap.com *SAP Business Suite* *SAP HANA Innovations for SAP Business Suite* *Products Powered by SAP HANA* *SAP Simple Finance Add-On 1.0 for SAP Business Suite powered by SAP HANA* *Application Help* *Migration of SAP ERP Financials to SAP Accounting powered by SAP HANA* *Migration to New General Ledger Accounting*. **i Note** You can also configure the new general ledger directly after you install the finance add-on but you must complete this step before data migration.

Step	Relevance	Responsibility	Description and Further Information
Reconcile application data for technical correctness and business correctness	Mandatory	Application Consultant	To ensure data consistency in accounting before the installation and data migration, you must run specific reconciliation reports. For more information, see http://help.sap.com *SAP Business Suite* > *SAP HANA Innovations for SAP Business Suite* > *Products Powered by SAP HANA* > *SAP Simple Finance Add-On 1.0 for SAP Business Suite powered by SAP HANA* > *Application Help* > *Migration of SAP ERP Financials to SAP Accounting powered by SAP HANA*. You must complete the final reconciliation runs before you install the finance add-on and you should not make further postings after you complete this step.
Document results for key financial reports	Recommended	Application Consultant	Document the results of the important financial reports so that you can compare figures after the installation of the finance add-on.

→ Recommendation

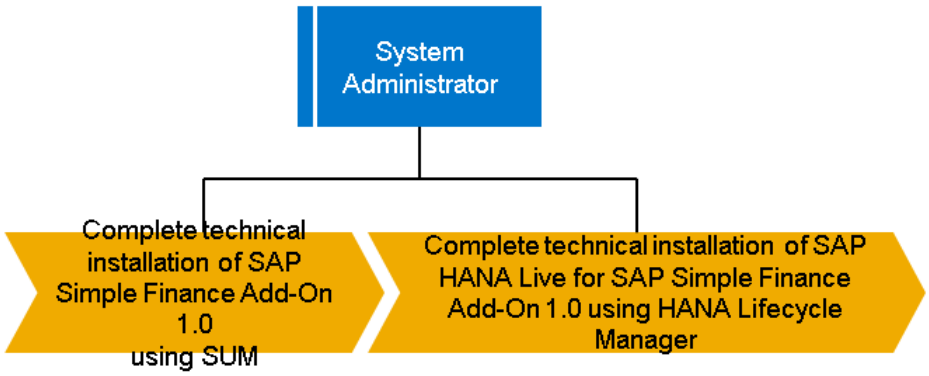
Complete a related analysis and effort estimation before installing the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA.

⚠ Caution

Once you migrate to the finance add-on, you cannot return to using standard Accounting in SAP ERP 6.0.

Procedure

1. Install the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA and other required product versions.
   The below figure shows the steps you should perform to install the SAP Simple Finance Add-On and is followed by a table that describes the steps:

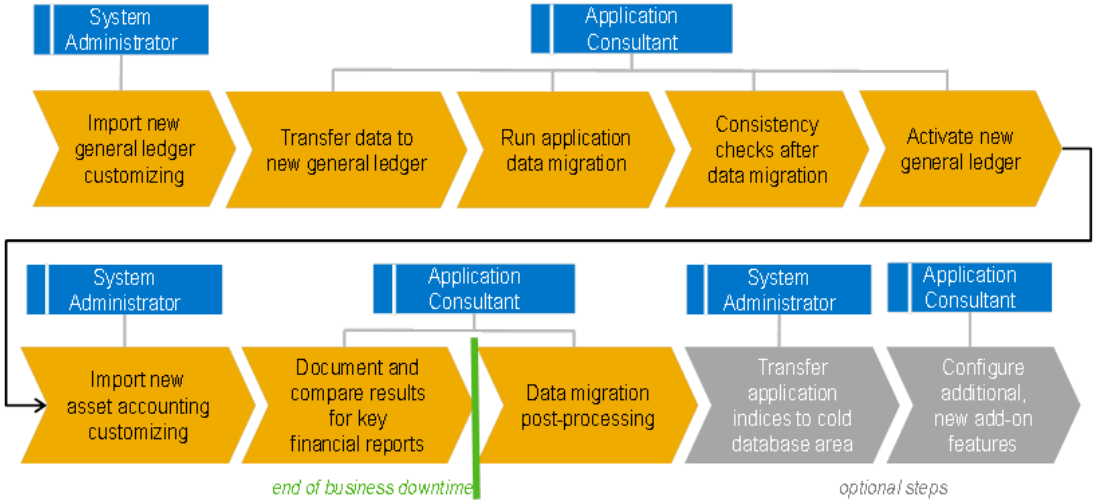


Installation Steps

Installation Steps

Step	Relevance	Responsibility	Description and Further Information
Complete the technical installation of the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA	Mandatory	System Administrator	For more information on this topic, see the chapter on *Technical Installation of SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA* in this document.
Complete the technical installation of SAP HANA Live 1.0, Virtual Data Model for SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA	Mandatory	System Administrator	For more information, see the chapter on *Technical Installation of SAP HANA Live 1.0 - Virtual Data Model for SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA* in this document.

2. After you have installed the finance add-on, you must complete the steps in the figure below **in a productive system**, which is followed by a table that describes the steps:



Post-Installation Steps

Post-Installation Steps

Step	Relevance	Responsibility	Description and Further Information
Import new general ledger Customizing	Mandatory if you have not yet used the new general ledger	System Administrator and Application Consultant	For more information, see http://help.sap.com *SAP Business Suite* *SAP HANA Innovations for SAP Business Suite* *Products Powered by SAP HANA* *SAP Simple Finance Add-On 1.0 for SAP Business Suite powered by SAP HANA* *Application Help* *Migration of SAP ERP Financials to SAP Accounting powered by SAP HANA* *Migration to New General Ledger Accounting*.

Step	Relevance	Responsibility	Description and Further Information
Run the application data migration	Mandatory	System Administrator and Application Consultant	After you install the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA, you must migrate the application data. **i Note** As of SPS 02, you must perform the following activities in the SAP Customizing Implementation Guide under *Migration to SAP Accounting powered by SAP HANA* > *Migration of Transaction Data and Documents*: ○ *Fill Due Dates in FI Documents* In this activity, the new due date fields in the FI line items for customers, vendors, and G/L account line items that have a base line date, are filled. ○ *Define Offsetting Account Determination Type* In this activity, you define how the system calculates the offsetting account in all applications. Perform these activities after you have implemented SPS 02, even if you have already migrated your data.

Step	Relevance	Responsibility	Description and Further Information
			i Note As of SPS 03, you must perform the activity *Migrate Document Lines to Fill New Local Currency Fields for FI Documents* under *Migration to SAP Accounting powered by SAP HANA* > *Migration of Transaction Data and Documents* in the SAP Customizing Implementation Guide after you have upgraded to SPS 03 or higher for the first time, even if you have already initially migrated your data. The necessary objects for this activity are available in SAP Note 2091882 For more information about migrating application data, see Customizing under *Migration to SAP Accounting powered by SAP HANA* > *Migration of Transaction Data and Documents*. These steps cover the regeneration of SAP HANA views to include customer fields and reports that reconcile the correctness of the data migration.

Step	Relevance	Responsibility	Description and Further Information
Perform consistency checks after data migration	Mandatory	System Administrator and Application Consultant	For more information, see http://help.sap.com *SAP Business Suite* *SAP HANA Innovations for SAP Business Suite* *Products Powered by SAP HANA* *SAP Simple Finance Add-On 1.0 for SAP Business Suite powered by SAP HANA* *Application Help* *Migration of SAP ERP Financials to SAP Accounting powered by SAP HANA* *Process of Migration to SAP Accounting powered by SAP HANA*.
Regenerate operation concerns in Profitability Analysis (CO-PA)	Mandatory if you use Profitability Analysis (CO-PA)	Application Consultant	Regenerate and save the cross-client parts of your CO-PA operation concerns using transaction `KEA0`. You must do so for all operation concerns even if the related status light is green.
Activate the new general ledger	Mandatory if you have not yet used the new general ledger and only if you did not complete the migration to new general ledger before you installed the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA	Application Consultant	For more information, see http://help.sap.com *SAP Business Suite* *SAP HANA Innovations for SAP Business Suite* *Products Powered by SAP HANA* *SAP Simple Finance Add-On 1.0 for SAP Business Suite powered by SAP HANA* *Application Help* *Migration of SAP ERP Financials to SAP Accounting powered by SAP HANA* *Migration to New General Ledger Accounting*.

Step	Relevance	Responsibility	Description and Further Information
Import the new asset accounting	Mandatory	Application Consultant	For more information, see http://help.sap.com *SAP Business Suite* > *SAP HANA Innovations for SAP Business Suite* > *Products Powered by SAP HANA* > *SAP Simple Finance Add-On 1.0 for SAP Business Suite powered by SAP HANA* > *Application Help* > *Migration of SAP ERP Financials to SAP Accounting powered by SAP HANA* > *Migration to New Asset Accounting (FI-AA (New))*.
Document and compare results for key financial reports	Recommended	Application Consultant	Document the results of the important financial reports so that you can compare figures from before the installation of the finance add-on and data migration. For more information, see http://help.sap.com *SAP Business Suite* > *SAP HANA Innovations for SAP Business Suite* > *Products Powered by SAP HANA* > *SAP Simple Finance Add-On 1.0 for SAP Business Suite powered by SAP HANA* > *Application Help* > *Migration of SAP ERP Financials to SAP Accounting powered by SAP HANA*.

Step	Relevance	Responsibility	Description and Further Information
Perform data migration post-processing tasks	Mandatory	Application consultant	For more information, see http://help.sap.com *SAP Business Suite* *SAP HANA Innovations for SAP Business Suite* *Products Powered by SAP HANA* *SAP Simple Finance Add-On 1.0 for SAP Business Suite powered by SAP HANA* *Application Help* *Migration of SAP ERP Financials to SAP Accounting powered by SAP HANA* *Process of Migration to SAP Accounting powered by SAP HANA*.
Transfer application indices cold database area	Recommended	System Administrator	Transfer application indexes to the database cold area to reduce main memory consumption. For more information, see Customizing under *Migration to SAP Accounting powered by SAP HANA* *Transfer of Data to Cold Database Area*.

Step	Relevance	Responsibility	Description and Further Information
Configure additional features	Optional	System Administrator and Application Consultant	For more information on configuring features such as BI Content and SAP Cash Management powered by SAP HANA see the chapter *Additional Configuration* in this guide. For more information on configuring data aging, see the chapter Operation Information in this guide. For more information on the finance add-on, see http://help.sap.com *SAP Business Suite* *SAP HANA Innovations for SAP Business Suite* *Products Powered by SAP HANA* *SAP Simple Finance Add-On 1.0 for SAP Business Suite powered by SAP HANA* *What's New - Release Notes*.

Step	Relevance	Responsibility	Description and Further Information
Define last fiscal year with complete line items	Mandatory	Application Consultant	Check if CO line items for actuals of previous years have been archived. In Controlling, you must ensure that sufficient data exists to support calculations (and the relevant postings) that refer to the complete lifecycle of an object, for example, full settlement, WIP calculation, results analysis, or variance calculation at actual costs. In previous releases, the calculations for these postings were based on entries in the totals tables. With SAP Accounting powered by SAP HANA, the totals tables have become obsolete. If the line items have already been archived, the basis for the calculation is missing. Therefore, totals from fiscal years prior to SAP Accounting powered by SAP HANA are stored in back-up tables. If you perform calculations to make postings for previous fiscal years with archived line items, you must define the last fiscal year with complete line items. The system reads all data prior to the specified fiscal year from the old totals in the back-up table. The last complete fiscal year must correspond to a year prior to the migration to SAP Accounting powered by SAP HANA.

Step	Relevance	Responsibility	Description and Further Information
			For more information, see *SAP Customizing Implementation Guide* > *Migration to SAP Accounting powered by SAP HANA* > *Define Last Fiscal Year with Complete Line Items*.

> ⚠ Caution
>
> You must activate the Enterprise Extension EA-FIN (Financials Extension) to use the new Asset Accounting (FI-AA (new)) and flexible Real Estate Management (RE-FX). Activate EA-FIN in the transaction *SFW5* (Switch Framework). If you use RE-FX, you must activate EA-FIN before installing the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA. If you do not use RE-FX, you can activate EA-FIN after installing the finance add-on.

> i Note
>
> The above listed activities for the application data migration are required if you are already using SAP ERP 6.0 and want to use the functions delivered with the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA (migration case). However, they are not necessary if you are using an SAP product for these applications for the first time. In this case you can, for example, complete the configuration for asset accounting, new general ledger, and other functions after the installation of the finance add-on and the related SAP HANA Live 1.0 content.
>
> During the implementation of the finance add-on, you do not need to go through any new GL migration scenario to implement the advanced features such as document split or parallel ledgers. You can optionally implement these features later on.

The following table list the guides you need and where to find them:

Guide Name	Use	Location
Upgrade and Update Guide for SAP ERP 6.0 Including Enhancement Package 7	Explains the application-specific steps needed to perform the update.	http://help.sap.com/erp
Administrator's Guide for the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA (This is the guide you are currently reading.)	Describes the differences (deltas) between the SAP enhancement package 7 for SAP ERP 6.0 process and the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA process as well as listing other relevant guides.	http://support.sap.com/sltoolset

Guide Name	Use	Location
Update of SAP Systems Using Software Update Manager	Describes the tool-specific steps needed to perform the update.	http://support.sap.com/sltoolset *Software Logistics Toolset 1.0* *SUM*

4.1.2 Technical Installation of SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA

Use

The use of the Software Update Manager (SUM) is mandatory to install the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA. Prerequisites to the underlaying ABAP stack (SAP enhancement package 7 for SAP ERP 6.0, SAP Netweaver 7.40) are included automatically.

For the installation, the Software Update Manager in combination with the Maintenance Optimizer has to be used. The Software Update Manager facilitates SAP NetWeaver-based application system upgrade, enhancement package installation and installation of support packages and consolidates them with a harmonized user interface. The Software Update Manager is shipped as part of the software logistics toolset (SL Toolset) 1.0 - independently of the applications.

The Maintenance Optimizer in SAP Solution Manager is the central point of access for all maintenance activities. It supports the installation of updates and upgrades and completely manages the maintenance activities for your whole solution, centrally accessible from inside SAP Solution Manager. You can find more information under https://support.sap.com/en/solution-manager/processes-72/maintenance-planner.html.

→ Recommendation

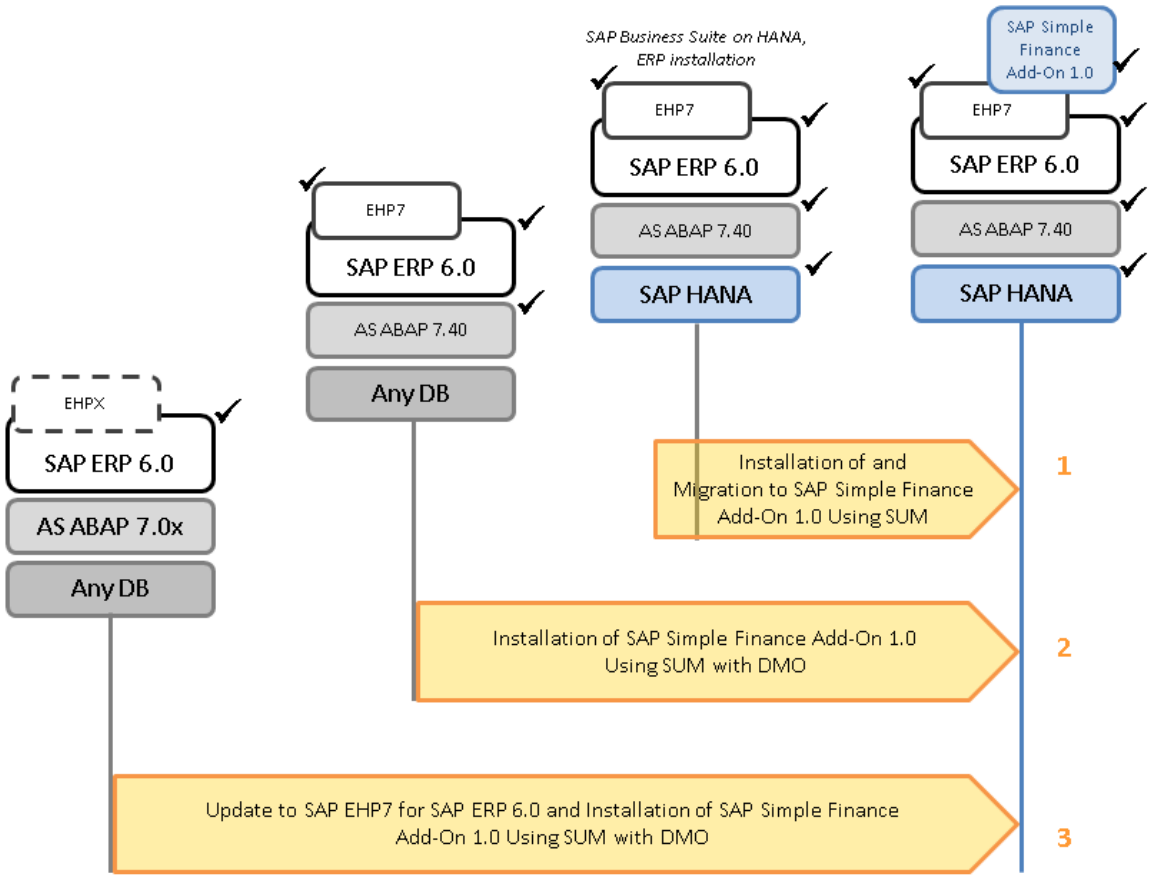
Always download the latest versions of SUM with the latest available support package stack, as they contain the latest corrections and are updated regularly. To install the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA, the minimum required SUM version is SUM 1.0 SPS 12.

If you upgrade from a SAP ERP 6.0 system using the database migration option (DMO) of SUM, you can include the database migration to SAP HANA.

i Note

When you install the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA, you must select `SAP SFINANCIALS 1.0` in the list of available add-ons (step 2.3 *Choose Add-On Products*).

The below figure shows the possible upgrade paths to install and migrate to the SAP Finance add-on for SAP Business Suite powered by SAP HANA, depending on your current system setup, and is followed by an explanation:



⚠ Caution

- As the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA does not support classical databases, you must migrate to SAP HANA before the installation of the finance add-on. You cannot migrate to SAP HANA after the installation of the finance add-on.
- If you are installing the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA in a system with SAP NetWeaver 7.40 SPS 05, apply SAP Note 1964911 before you start the installation using SUM. Versions of SUM 1.0 SPS 12 and later automatically request this SAP Note.
- SAP Note 1970542 lists the SAP Notes for SAP NetWeaver required for the finance add-on.

Option 1

This involves the installation and migration to the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA.

If you are using an ERP installation of SAP Business Suite on HANA, that is, SAP enhancement package 7 for SAP ERP 6.0 on SAP HANA, you install the SAP Simple Finance Add-On using SUM and you perform the migration steps described in the overview section of this chapter.

Option 2

This involves the installation of the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA using the DMO of SUM.

> **i Note**
>
> If you are using SAP enhancement package 7 for SAP ERP 6.0, but not SAP HANA, consider combining the database migration to SAP HANA and the installation of the SAP Simple Finance Add-On in one step using the DMO of SUM.

Option 3

This involves upgrading to SAP enhancement package 7 for SAP ERP 6.0 and the installation and migration to the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA using the DMO of SUM.

> **i Note**
>
> If you are using SAP ERP 6.0 without an enhancement package or an enhancement package level that is less than 7, consider combining the database migration to SAP HANA, the upgrade to SAP enhancement package 7 for SAP ERP 6.0, and the installation of the SAP Simple Finance Add-On into one step using the DMO of SUM. You can run separate projects for to upgrade to SAP enhancement package 7 for SAP ERP 6.0 and the finance add-on. The best option depends on the local situation, the ERP functions used, and other factors.

Data Model of SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA

During the installation, the data model of the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA is applied to the system and the following database tables are replaced by HANA views with the same technical names:

- Totals tables and application index tables for general ledger accounting
  The replaced tables for general ledger accounting include the following:
  - *G/L account master record transaction figures* (`GLT0`)
  - *Accounting: Secondary Index for G/L Accounts* (`BSIS`)
  - *Accounting: Secondary Index for G/L Accounts (Cleared Items)* (`BSAS`)
  - *General Ledger: Totals* (`FAGLFLEXT`)
  - *Accounting: Secondary Index for G/L Accounts* (`FAGLBSIS`)
  - *Accounting: Secondary Index for G/L Accounts (Cleared Items)* (`FAGLBSAS`)
- Totals tables and application tables for accounts payable (AP) and accounts receivable (AR):
  The replaced tables for AP and AR include the following:
  - *Customer master (transaction figures)* (`KNC1`)
  - *Customer master (special G/L transaction figures)* (`KNC3`)
  - *Vendor master (transaction figures)* (`LFC1`)
  - *Vendor master (special G/L transaction figures)* (`LFC3`)
  - *Accounting: Secondary Index for Customers* (`BSID`)
  - *Accounting: Secondary Index for Vendors* (`BSIK`)
  - *Accounting: Secondary Index for Customers (Cleared Items)* (`BSAD`)
  - *Accounting: Secondary Index for Vendors (Cleared Items)* (`BSAK`)
- Totals tables for controlling
  The replaced tables for controlling include the following:
  - *CO Object: Cost Totals for External Postings* (`COSP`)

- *CO Object: Cost Totals for Internal Postings* (`COSS`)

More Information

The following table provides more installation and upgrade information for SAP HANA, SAP NetWeaver 7.40, SAP enhancement package 7 for SAP ERP 6.0, SUM and DMO:

Description	Location
SAP Enhancement Package 7 for SAP ERP 6.0 – Installation and Upgrade Information	http://help.sap.com/erp_607
SAP Netweaver 7.40 – Installation and Upgrade Information	http://help.sap.com/nw74
SAP HANA Platform – Installation and Upgrade Information	http://help.sap.com/hana_platform
Software Update Manager (SUM)	http://support.sap.com/sltoolset *Software Logistics Toolset 1.0* > *SUM*
Using DMO of SUM for SAP Business Suite systems	SAP Note 1875197
Database Migration Option (DMO) for Software Update Manager	SAP Note 1813548
Central SAP Note – Software Update Manager 1.0 SP09 [lmt_005]	SAP Note 1843776

4.1.3 Technical Installation of SAP HANA Live 1.0, Virtual Data Model for SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA

Use

The installation of the SAP HANA Live 1.0 product is not automatically included during the installation of the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA. Install SAP HANA Live 1.0 for the finance add-on (`SAP HANA ANALY. FOR SFIN 1.0`) in a two-step approach using the SAP HANA Lifecycle Manager (HLM), SPS 7, patch level 12 or higher, after the installation of the finance add-on, as described in the following table:

Step	Product Version (Technical Name)	Included Software Component (Technical Name)	Procedure

Generate stack for ECC HANA Live package	SAP HANA Live 1.0 for SAP ERP `SAP HANA ANALYTICS FOR ERP 1.0`)	HANA CONTENT HBA SAP ECC 100 (`HCO_HBA_ECC 100`)	If activation errors occur, apply SAP Note 1967187. With this note you can complete this installation step. You can ignore persisting activation errors for HANA views that have replacement views in step 2.
Generate stack for the finance add-on HANA Live package	SAP HANA Live 1.0 for the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA (`SAP HANA ANALY. FOR SFIN 1.0`)	HANA CONTENT HBA SAP SFIN 100 (`HCO_HBA_SFIN700 100`)	Apply this package. No HANA view activation errors should occur.

The installation procedure for the integrated scenario is less effort compared to a side-by-side SAP HANA Live installation. In the integrated scenario, you do not need to create and replicate the database tables as they are already available in the SAP HANA database. They are maintained through the data dictionary of the corresponding ABAP application server. Therefore, table creation and data replication are not relevant.

Since the ABAP server creates all tables in one specific database catalog schema (typically <SAPSID>), this needs to be mapped to the authoring schema of the imported content packages.

You use SAP HANA Lifecycle Manager SPS 7, patch level 12 or a later version. For more information, see SAP Note 1820588, the SAP Note for SAP HANA Lifecycle Manager.

> **i Note**
>
> Due to the differences in the accounting data model of SAP ERP 6.0 and the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA, component `HCO_HBA_ECC 100` shows activation errors when being deployed to an SAP ERP 6.0 system that includes a finance add-on installation. These activation errors can be ignored, the package `HCO_HBA_SFIN700 100` offers replacement HANA views adapted for the finance add-on data model. Customer-specific consumptions of those ECC-related HANA views needs to be adapted accordingly. Follow the instructions provided in SAP Note 1967187 after you have installed `HCO_HBA_ECC 100`, then continue with the installation of the component `HCO_HBA_SFIN700 100`.

More Information

The following table provides links to more installation and upgrade information not covered in this document:

Description	Location	Comment
SAP HANA Live for SAP Business Suite 1.0 – Installation and Upgrade Information	http://help.sap.com/hba	Provides more information about using SAP HANA Live in the integrated scenario and the installation information for Virtual Data Models.
SAP HANA Lifecycle Manager	http://help.sap.com/hana_appliance *Installation and Upgrade Information* > *SAP HANA Update Guides* > *SAP HANA Update and Configuration Guide*	Provides more information about how to configure the SAP HANA Lifecycle Manager.

5 Additional Configuration

5.1 Operating Concern

After you have installed the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA, it is recommended but not mandatory that you configure the operating concern for the finance add-on.

You can use either the operating concern delivered with the finance add-on or your own, customer-specific operating concern. If you use your own operating concern, you must adjust the SAP HANA view for the logical document.

To configure the operating concern delivered with the finance add-on, proceed as follows:

1. In Customizing for Controlling, perform the following activity: *Profitability Analysis* > *Structures* > *Define Operating Concern* > *Sample Operating Concerns* > *Copy Operating Concern Including Customizing*.
   Copy the operating concern `S_GO` to the operating concern `SFIN`. This fills table `CE4SFIN` so that the characteristics for profitability analysis can be read by the SAP HANA views.
2. In the SAP Customizing Implementation Guide, perform the following activity: *Enterprise Structure* > *Assignment* > *Controlling* > *Assign controlling area to operating concern*.
   Assign your controlling area(s) to the operating concern `SFIN`.
3. In Customizing for Controlling, perform the following activity: *Profitability Analysis* > *Flows of Actual Values* > *Activate Profitability Analysis*.
   Select the relevant controlling areas and enter either 3 (account-based profitability analysis) or 4 (account-based and cost-based profitability analysis).
4. In Customizing for Controlling, perform the following activity: *Profitability Analysis* > *Structures* > *Set Operating Concern*.
   Select the operating concern `SFIN` and select the account-based checkbox. This step is optional as you will be asked to do so when you first run profitability analysis.

To configure your own operating concern, follow the instructions in SAP Note *FIN: Adjust HANA View for Logical Document to Customer-Specific Operating Concern* (SAP Note 2042464).

5.2 BI Content

Use

The SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA leverages the latest features of BI Content and integrated business planning applications. The following configuration steps need to be performed in your finance add-on system:

1. Configure the BI client for your system.

2. Activate the BI Content and required business functions.

For a detailed step-by-step instructions, see SAP Note 1972819.

BI Client Configuration

To use operational data provisioning and classic InfoSets in BI tools, complete the basic configuration for SAP NetWeaver Business Warehouse on your system. Complete the following settings in Customizing under *Controlling* > *General Controlling* > *Planning* > *Setup for Planning*:

1. Select one client from the finance add-on system as the BI client (typically the *productive* client) and then define and assign a logical system to this client.
2. Complete the setting in *Basic Configuration for Operational Analytics* (`RSRTS_ACTIVATE_R3IS`) transaction.
3. Using the *Transport Organizer Tools* (`SE03`) transaction, under *Administration* > *Set System Change Option*, enter the global setting **`modifiable`** for namespaces with the prefixes */BIO/* (*Generation Namespace for SAP BI Content*) and */BIC/* (*Business Information Warehouse: Customer Namespace*).

BI Content and Business Function Activation

BI Content bundles contain BW Queries, Operational Data Providers (ODPs), and other BI Content objects. The concept of BI Content bundles simplifies the activation of all required objects so there is no need to perform the more cumbersome procedure of collecting and activating objects individually.

Activate the BI Content bundles outlined in the following table using the *BI Content Activation Workbench* (transaction `BSANLY_BI_ACTIVATION`):

Business Category	Content Bundle – Technical Name	Content Bundle – Name	Required Business Functions (Transaction SWF5)
99	`FIN_CLM_BW`	Financial Cash & Liquidity Management Local BW Content	/
99	`FIN_CLM_ODP`	Financial Cash & Liquidity Management ODP Content	/
99	`FINS_REP_GL_LITB`	sFIN GL Reporting: Line Item Browser etc.	/
03	`/ERP/FCOM_PLANNING`	CO Planning	Project planning: `FIN_CO_CCMGMT` and `OPS_PS_CI_1` Cost center planning: `FIN_CO_CCPLAN` For more information, see SAP Note 1836149.
03	`FIN_CLM`	Financial Cash & Liquidity Management	`FIN_FSCM_CLM`

Business Category	Content Bundle – Technical Name	Content Bundle – Name	Required Business Functions (Transaction SWF5)
03	03 FIN_CLM_PLANNING	Liquidity Planning	/
03	/ERP/SFIN_PLANNING	Simplified Financials Planning	Project planning: FIN_CO_CCMGMT and OPS_PS_CI_1 Cost center planning: FIN_CO_CCPLAN For more information, see SAP Note 1836149.
03	FIN_REP_SIMPL_3	Reporting Financials 3	FIN_REP_SIMPL_3
03	FIN_REP_SIMPL_4	Reporting Financials 4	FIN_REP_SIMPL_4

On the activation screen, specify the RFC connection for your BI client (if the BI client is the current client, you can specify RFC destination **NONE**), set *Treatment of Already Active Content Objects* flag to **Copy**, and activate the flag *Install all Collected Objects*.

Check the activation log to verify there are no errors.

> **i Note**
>
> You can activate other options later on even if you have changed the content delivered by SAP by selecting the *Match* checkbox. For content objects delivered by SAP, you are asked if you want to merge the new content version with the active object. Deselect *Install all Collected Objects* if you only want to activate the new SAP-delivered objects. Automatic choices between *Match* and *Copy* depend on the object type (for more information, see flag MERGEFL in table RSTLOGOPROP).

You must activate the BI Content in each system (development, test, and production) separately. It is part of the system setup, not part of application customizing.

Activate the business functions based on the Integrated Business planning scenario you want to use.

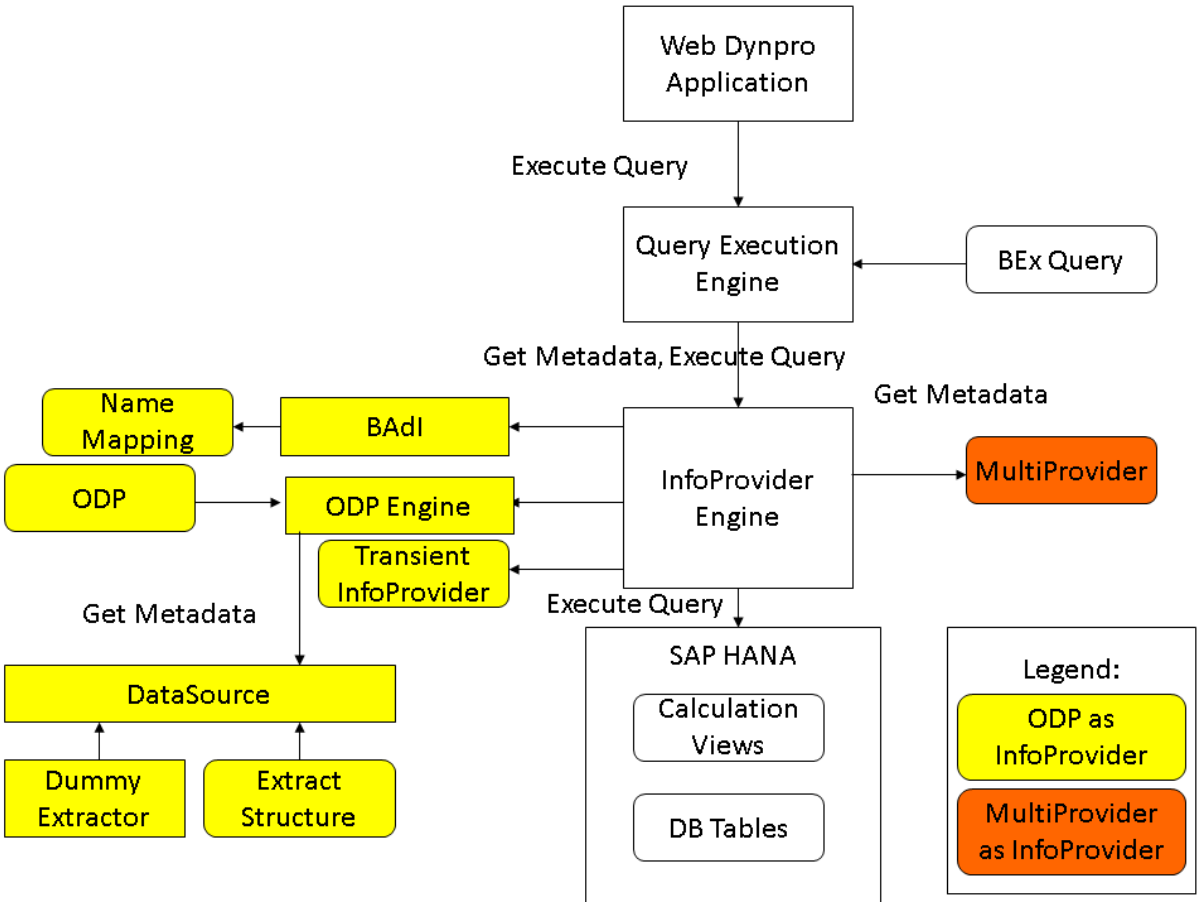
Data Determination Using BW Queries

The following Web Dynpro applications use the Analytics Component of the Floorplan Manager (FPM):

- *Accounts List in Chart of Accounts*
- *Financial Statement (Actual/Actual Comparison)*
- *Cash Flow (Indirect Method)*
- *Line Item Browser (G/L View)*
- *Account Balance*
- *Receivables (G/L View)*
- *Payables (G/L View)*
- *Work Analysis*
- *WIP Analysis*
- *Income Statement by Market Segment*

This FPM component enables you to use BW functions to filter data for drilldown and key/text display. The graphic below depicts how the data is determined:

For an overview with the technical names of the BI Content objects for the individual reports, see the information at the end of this chapter.



The Web Dynpro application calls a BW query:

The query contains settings for which characteristics and key figures are to be initial in the lines or columns of the report. Furthermore, properties (such as the representation of key/text, aggregation behavior, and so on) can be specified for the characteristics and key figures. Additionally, you make settings in the query for the characteristics to be shown as further drill-down options and which key figures can also be displayed. You can use filters as fixed values or variables as selection options in the report. You can also define properties for variables (such as possible selection options or handling by an SAP Exit).

A query in turn needs an InfoProvider for data retrieval. An Operational DataProvider (ODP) or a MultiProvider is used as an InfoProvider:

- ODP as InfoProvider
  In the ODP, all attributes available to the query are exposed. Here, you can specify whether attributes or key figures are normal, and the semantics that apply to the respective attributes (for example, the fiscal year, fiscal period, and so on). Furthermore, mapping to other master data ODPs is done in the ODP to make comprehensive attribute texts and hierarchies available in the report. The authorization objects to be taken into account are also entered in the ODP.

A DataSource is used as a source. This specifies which attributes are available for exposure in the ODP. The basis for this DataSource is an extract structure that contains the set of all fields available for the report. This set is a subset of the output fields of the SAP HANA view that is ultimately responsible for data procurement. The DataSource contains settings for which fields of the extract structure in the ODP are available as attributes, and which are key fields.
A BAdI is used to enable data procurement is triggered by a HANA view and not classically by the DataSource. By implementing BAdI `RODPS_ESH_HANA_NAME_MAPPER` (Alternative SAP HANA Column View for ESH ODP Runtime), all fields of the DataSource structure are mapped to the fields of the HANA views used. Finally, the request from the ODP to the HANA view used is forwarded.
If you want to use your own BI Content objects instead of those delivered by SAP, pay particular attention to the *Enhancement of BAdI RODPS_ESH_HANA_NAME_MAPPER* chapter.

- MultiProvider as InfoProvider
  In the MultiProvider, all attributes available to the query are exposed. Here, you can specify whether attributes or key figures are normal, and the semantics that apply to the respective attributes (for example, the fiscal year, fiscal period, and so on). Furthermore, mapping to other master data views is done in the MultiProvider to make comprehensive attribute texts and hierarchies available in the report.

The technical names of the BI Content objects for the individual reports are listed here:

Accounts List in Chart of Accounts

Query	`0FIS_GL_ACC_Q0001` and `0FIS_GL_ACC_Q0002`
ODP	`0FIS_GL_ACC`
DataSource	`0FIS_GL_ACCOUNT`
Extract Structure	`0FIS_GL_ACC`
SAP HANA View	`sap.hba.sfin700/GLAccountListInChartOfAccounts`

Financial Statement (Actual/Actual Comparison)

Query	`0FIS_GL_FS_Q0001`
ODP	`0FIS_GL_FS_T`
DataSource	`0FIS_GL_FS_T`
Extract Structure	`0FIS_GL_FS_T`
SAP HANA View	`sap.hba.sfin700/NewGLFinancialStatementTransac`

Cash Flow (Indirect Method)

Queries	FINS_CASH_FLOW FORM_CONFIG FINS_CF_DATA_DE
ODPs	0FIS_CF_DATA 0FIS_CF_FC 0FIS_ITEM_DE
DataSources	0FIS_CF_DATA 0FIS_CF_FC 0FIS_ITEM_DE
Extract Structure	0FIS_CF_DATA 0FIS_CF_FC 0FIS_ITEM_DETAIL
SAP HANA Views	sap.hba.sfin700/CashFlowStatement sap.hba.sfin700/CashFlowStatementForm sap.hba.sfin700/CashFlowStatementDetail

Line Item Browser (G/L View) and Account Balance

Query	FIS_LITB_GL_A for *Line Item Browser (G/L View)* **Note** In this Query, all balance carryforwards delivered by view FICO_DOC_BAL_GLV are filtered out. FIS_LITB_GL_B for *Account Balance*
ODP	0FIS_LITB_GL
DataSource	0FIS_LITB_DS_GL
Extract Structure	FISS_LITB_GRID_GL
SAP HANA View	FICO_DOC_BAL_GLV

Receivables (G/L View)

Query	0FIS_GL_AR_Q0001
ODP	0FIS_GL_APAR

DataSource	0FIS_GL_APAR
Extract Structure	0FIS_GL_APAR
SAP HANA View	sap.hba.sfin700/ProfitCenterReceivablePayable

Payables (G/L View)

Query	0FIS_GL_AP_Q0001
ODP	0FIS_GL_APAR
DataSource	0FIS_GL_APAR
Extract Structure	0FIS_GL_APAR
SAP HANA View	sap.hba.sfin700/ProfitCenterReceivablePayable

Work Analysis

Query	/ERP/SFIN_V10_Q0001
MultiProvider	/ERP/SFIN_V10

WIP Analysis

Query	/ERP/SFIN_V11_Q0001
MultiProvider	/ERP/SFIN_V11

Income Statement by Market Segment

Query	/ERP/SFIN_M01_Q1000
MultiProvider	/ERP/SFIN_M01

Enhancement of BAdI RODPS_ESH_HANA_NAME_MAPPER

> **i** Note
>
> You must pay attention to the information in this document if you want to use your own BI content objects for determining data for one of the following reports:
>
> - *Accounts List in Chart of Accounts*
> - *Financial Statement (Actual/Actual Comparison)*
> - *Cash Flow (Indirect Method)*
> - *Line Item Browser (G/L View)*
> - *Account Balance*
> - *Receivables (G/L View)*

- *Payables (G/L View)*

Naming Convention for ODPs

You use the Business Add-In (BAdI) `RODPS_ESH_HANA_NAME_MAPPER` to map an ODP to a HANA Calculation View. To be able to use this BAdI for your ODPs too, SAP has made the generic implementation `ES_IMP_FIS_HANA_NAME_MAPPER` available. This implementation is assigned to the filter areas 0FISZ00000 to 0FISZ99999. Your own ODPs must therefore have a name in this area for the generic implementation to run (for example, `0FISZ00054`).

Assigning an ODP to a HANA View and its Fields

1. Call transaction `SM34`.
2. Enter view cluster `FISVC_MAP_ODP` and select *Maintain*.
3. Choose *New Entries*.
   On the first level, assign your ODP to a HANA View. To enter the following data, you may need to scroll to the right in the table:
   - Name of your ODP
   - Name of the HANA View to be assigned to, including package
     Example:
     For the view MyView in package tmp.customer.odp, enter the name as tmp.customer.odp/MyView.
   - Database structure containing the runtime object of the HANA View. For graphical Calculation Views, this is `_SYS_BIC`.
   - Client Fieldname is the field of the HANA View corresponding to the client. HANA Views are client-independent, but ODPs must be executed for each client, so the HANA View field that represents the client needs to be known.
   - Name of the database connection to the HANA database. As standard, you can enter DEFAULT here to use the default database connection. However, you can also use another connection of table `DBCON` for scenarios with a secondary database connection.
   - Data Dictionary (DDIC) structure used as the source of the ODP.
4. On the second level, you can define the field assignment between the ODP and HANA View. If the field names in the ODP and the HANA View match, you do not need to make any entries; if this is not the case, you must enter the following data:
   - Field name in the ODP
   - Field name in the HANA View
   - Restriction if the HANA View field is linked to an import parameter or to a variable. Then enter the input parameter as defined in the PLACEHOLDER instructions for SQL Select.
     Example:
     The HANA View field `OpenOnKeyDate` is assigned to the ODP field `KEYDAT`. This field is linked to import parameter `P_OpenOnKeyDate`. The SQL statement of the HANA View is as follows:
     `select * from <Schema><HANAView>('PLACEHOLDER' = ('$$P_OpenOnKeyDate$$','20140101')`
     In this case, enter `$$P_OpenOnKeyDate$$` as a restriction for the HANA View field `OpenOnKeyDate`.
5. Save your entries.

More Information

For more information on activating BI Content, see SAP Help Portal at http://help.sap.com *SAP ERP* *SAP ERP Cross-Application Functions* *Analytics Infrastructure* *BI Content Activation Workbench*.

5.3 SAP Cash Management powered by SAP HANA

Before you can use SAP Cash Management powered by SAP HANA, you must do the following:

- Perform some technical steps in the system. This applies to both new and existing customers. For more information, see the *Data Setup Guide for SAP Cash Management powered by SAP HANA* on SAP Help Portal at http://help.sap.com/erp *SAP Simple Finance Add-On* *SAP Simple Finance Add-On 1.0*.
- Activate the business function `FIN_FSCM_CLM` using transaction `SFW5` in the folder `ENTERPRISE_BUSINESS_FUNCTIONS`

For more information about the installation, see *Installation of and Migration to SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA*.

5.4 Roles for the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA

The SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA is designed to run with SAP NetWeaver Busines Client (NWBC) and offers a set of standard PFCG roles (with prefix *SAP_SFIN_*) tailored for SAP NWBC. These roles as well as finance add-on applications based on ABAP Web Dynpro technology must be used with SAP NWBC only.

> → Recommendation
>
> Use the SAP NetWeaver Busines Client (NWBC) for all business user roles using the finance add-on applications (minimum version 3.5, recommended desktop version 4.0).

For a detailed list of the finance add-on NWBC roles, see the *Security Information* chapter in this document.

By default, all NWBC user roles are shown in the SAP Easy Access and you can use these to start SAP GUI transactions from SAP Easy Access.

> → Recommendation
>
> Using the transaction `PFCG`, hide the NWBC roles used by business users from SAP Easy Access. Select the role and on the *Menu* tab, choose *Menu Options*, and select the *Hide Menu from SAP Easy Access* checkbox.

Each Web Dynpro ABAP application has a related service in the Internet Communication Framework. For using a Web Dynpro ABAP application from an internet browser, the related service has to be activated.

See SAP Note 1974650 for a list of services that should be activated in transaction `SICF` when using the SAP Simple Finance Add-On NWBC user roles.

6 Operation Information

6.1 Introduction

This chapter gives you an overview of the operations topics relevant for the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA and applies in addition to the operation information available in the SAP enhancement package 7 for SAP ERP 6.0 Operations Guide available on http://help.sap.com/erp607 *System Administration and Maintenance Information*.

Log Objects

The SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA provides the following log objects in the *Analyse Application Log* (`SLG1`) transaction:

Component	Object	Subobject	Description
SAP_FIN 700	FINS	FINS_BCF	Balance carryforward
SAP_FIN 700	FINS	FINS_MIG	Data migration (general)
SAP_FIN 700	FINS	FINS_MIG_BCF	Data migration: Initial Balance Carryforward
SAP_FIN 700	FINS	FINS_RECON	Data migration reconciliation
SAP_FIN 700	FINS	FINS_GENERATE	Generation of CDS Views
SAP_FIN 700	FQM	LOAD	Loading the Exposure Hub

Remote Support Setup

The *Root Cause Analysis: Display Role for SAPSUPPORT User* (`SAP_RCA_SAT_DISP`) role (for ABAP-based components) provides secure, read-only access to transactions and administration UIs.

For more detailed information about remote support setups, see the section Remote Support Setup in the SAP enhancement package 7 for SAP ERP 6.0 Operations Guide available on http://help.sap.com/erp607 *System Administration and Maintenance Information*.

More Information

SAP HANA behaves like a regular database and therefore does not necessarily require other operating activities. However, the following table outlines the documents available:

Document Name	Description	Location
Solution Life Cycle Management	Provides information about solution life cycle management.	http://help.sap.com/ *SAP Netweaver* *SAP NetWeaver Platform* *SAP NetWeaver 7.4* *Application Help* *Function-Oriented View* *Solution Life Cycle Management*
SAP HANA Technical Operations Manual (TOM)	Provides information about database management	http://help.sap.com/ *SAP In-Memory Computing* *SAP HANA Platform* *System Administration and Maintenance Information* *SAP HANA Technical Operations Manual (TOM)*
Administration of Application Server ABAP	Provides information about tools for monitoring, administration, and configuration.	http://help.sap.com/ *SAP Netweaver* *SAP NetWeaver Platform* *SAP NetWeaver 7.4* *System Administration and Maintenance Information* *System Administration and Maintenance Information* *Technical Operations for SAP NetWeaver* *Administration of Application Server ABAP*

6.1.1 Support Packages and Patch Implementation

If you encounter problems with the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA, you can create a customer messages on SAP Support Portal at https://support.sap.com/incident using the same application components as for SAP enhancement package 7 for ERP 6.0 (for example, the application components below FI, CO, FIN-FSCM).

The release information about support packages for the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA is explained in SAP Note 1925902.

6.1.2 Data Aging

Use

Data aging enables you to move large amounts of data within a database so as to gain more working memory. The data is moved from the *hot area* to the *cold area* according to the data temperature that you have specified. You can use data aging for your financial accounting documents (data aging object `FI_DOCUMENT`). Data aging enables you to perform queries on large numbers of financial accounting documents in a much shorter time. You can specify the minimum number of days or years for which a financial accounting document needs to have been in the system before it can be moved. You can specify different settings for each document type and account type.

Prerequisites

To use data aging, proceed as follows:

- Activate the *Data Aging* `DAAG_DATA_AGING` business function using the switch framework (transaction `SWF5`).

  For more information on data aging, see SAP Help Portal at http://help.sap.com *SAP Netweaver* > *SAP NetWeaver Platform* > *SAP NetWeaver 7.4* > *Application Help* > *Function-Oriented View* > *Solution Life Cycle Management* > *Data Aging*.
- Define the data aging parameters for the data object `FI_DOCUMENT` according to account types and document types.

More Information

For more information, see SAP Help Portal at http://help.sap.com *SAP Business Suite* > *SAP HANA Innovations for SAP Business Suite* > *Products Powered by SAP HANA* > *SAP Simple Finance Add-On 1.0 for SAP Business Suite powered by SAP HANA* > *Application Help* > *SAP ERP* > *SAP ERP Central Component* > *Accounting* > *SAP Simple Finance Add-On 1.0 for SAP Business Suite powered by SAP HANA* > *Data Aging for Financial Accounting Documents*.

7 Security Information

7.1 Introduction

This chapter gives you an overview of the settings for SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA.

The SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA is based on SAP ERP 6.0, SAP Netweaver, SAP HANA, and SAP HANA Live. To comply with security settings for the finance add-on, you need to check the information provided in documents referenced in the following table:

Description	Link
Provides information on security settings for the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA.	For more information, see SAP Help Portal at http://help.sap.com *SAP Business Suite* *SAP HANA Innovations for SAP Business Suite* *Products powered by SAP HANA* *SAP Simple Finance Add-On 1.0 for SAP Business Suite powered by SAP HANA* *Application Help* *<Language>* *SAP ERP Cross-Application Functions* *SAP ERP Security Guide* *SAP ERP Central Component Security Guide* *Accounting*.
Provides information on the SAP NetWeaver security settings.	http://help.sap.com *SAP NetWeaver* *SAP NetWeaver Platform* *SAP NetWeaver 7.4* *Security Information* *Security Guide*
Provides information on SAP HANA security settings.	http://help.sap.com *SAP In-Memory Computing* *SAP HANA* *SAP HANA Platform* *Security Information*
Provides information on SAP HANA Live including security settings.	http://help.sap.com *SAP Business Suite* *SAP HANA Innovations for SAP Business Suite* *SAP HANA Live for SAP Business Suite* *Installation, Security, Configuration, and Operations Information* *Administrator's Guide*

7.1.1 User Administration and Authentication

The SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA uses the user administration and authentication mechanisms provided with SAP ERP and the SAP NetWeaver platform. Therefore, the

security recommendations and guidelines for user administration and authentication as described in the SAP ERP Central Component Security Guide also apply to the finance add-on.

For more information, see SAP Help Portal at http://help.sap.com *SAP Business Suite* > *SAP HANA Innovations for SAP Business Suite* > *Products powered by SAP HANA* > *SAP Simple Finance Add-On 1.0 for SAP Business Suite powered by SAP HANA* > *Application Help* > *<Language>* > *SAP ERP Cross-Application Functions* > *SAP ERP Security Guide* > *SAP ERP Central Component Security Guide* > *User Administration and Authentication*.

7.1.2 Authorizations

Use

The SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA uses the authorization concept of SAP ERP and the SAP NetWeaver platform. Therefore, the security recommendations and guidelines for authorizations as described in the SAP ERP Central Component Security Guide also apply to the finance add-on.

For more information, see SAP Help Portal at http://help.sap.com *SAP Business Suite* > *SAP HANA Innovations for SAP Business Suite* > *Products powered by SAP HANA* > *SAP Simple Finance Add-On 1.0 for SAP Business Suite powered by SAP HANA* > *Application Help* > *<Language>* > *SAP ERP Cross-Application Functions* > *SAP ERP Security Guide* > *SAP ERP Central Component Security Guide* > *Authorizations*.

Roles and Authorization Objects for SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA

In addition to the standard roles and authorization objects used by the subcomponents of SAP ERP Central, the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA uses the following roles:

Technical Name	Description
SAP_SFIN_ACC_ACTUAL_COSTING	*Accounting: Actual Costing*
SAP_SFIN_ACC_ACTUAL_POSTINGS	*Accounting: Actual Postings*
SAP_SFIN_ACC_BUDGETING	*Accounting: Budgeting*
SAP_SFIN_ACC_CAP_INVEST	*Accounting: Capital Investment Management*
SAP_SFIN_ACC_CLOSING	*Accounting: Closing*
SAP_SFIN_ACC_MASTERDATA	*Accounting: Master Data*
SAP_SFIN_ACC_PLANNING	*Accounting: Planning*
SAP_SFIN_ACC_PRODUCT_COST	*Accounting: Product Cost Planning*

Technical Name	Description
SAP_SFIN_ACC_REPORTING	*Accounting: Reporting*
SAP_SFIN_AP	*Accounts Payable*
SAP_SFIN_AR	*Accounts Receivable*
SAP_SFIN_BANKS	*Banks*
SAP_SFIN_BCM	*Bank Communication Management*
SAP_SFIN_CASH_MANAGER	*Cash Manager*
SAP_SFIN_COL	*Collections Management*
SAP_SFIN_CR	*Credit Management*
SAP_SFIN_DM	*Dispute Management*

> **i Note**
>
> For more information on the standard roles and authorization objects used in accounting, see under the relevant the subcomponents on SAP Help Portal at http://help.sap.com *SAP Business Suite* > *SAP ERP* > *SAP Enhancement Package 7 for SAP ERP 6.0* > *Security Information* > *Security Guide* > *SAP ERP Security Guides* > *SAP ERP Central Component Security Guide* > *Accounting*.

> **→ Recommendation**
>
> To use the roles, you must ensure your user profile has the controlling area entry under parameters. Enter CAC (*Controlling area*), under *Navigation Path* > *User Profile* > *Own Data* > *Parameters* > *Set/Get parameter ID*.

Roles and the Launchpad

Each PFCG role has its own launchpad. You can create and configure a launchpad and its applications in the launchpad Customizing (transaction LPD_CUST). A launchpad is uniquely defined by the role and instance. The role specifies who can use the launchpad and the instance specifies what it can be use for.

Check the contents of the launchpads associated with the role SFIN_ACC as outlined in the following table:

Role	Instance	Description
SFIN_ACC	REPORTING	*Accounting: Reporting*
SFIN_ACC	PRODUCT_COST	*Accounting: Product Cost Planning*
SFIN_ACC	PLANNING	*Accounting: Planning*
SFIN_ACC	MASTERDATA	*Accounting: Master Data*

Role	Instance	Description
SFIN_ACC	CLOSING_LOC	*Accounting: Closing Countries*
SFIN_ACC	CLOSING	*Accounting: Closing*
SFIN_ACC	CAP_INVEST	*Accounting: Capital Investment*
SFIN_ACC	BUDGETING	*Accounting: Budgeting*
SFIN_ACC	ACTUAL_POSTINGS	*Accounting: Actual Postings*
SFIN_ACC	ACTUAL_COSTING	*Accounting: Actual Costing*

Authorization Objects for SAP Cash Management powered by SAP HANA

Technical Name	Description	New or Reused
F_CLM_BAM	This authorization object is used for controlling the authorizations of Bank Account Master Data maintenance. This authorization object is assigned to the standard role Cash Manager by default.	New
F_CLM_BAH	This authorization object is used for controlling the authorizations of Bank Hierarchy Maintenance. This authorization object is assigned to the standard role Cash Manager by default.	New
B_BUPA_RLT	With this authorization object, you define which BP roles can be edited.	Reused
B_BUPR_BZT	With this authorization object, you establish which relationship categories can be processed.	Reused
F_BNKA_MAN	This object controls the authorizations for maintaining bank master data.	Reused

Technical Name	Description	New or Reused
F_FEBB_BUK	This authorization object controls the authorizations for maintaining bank statements in a company code. The permitted activities of this object includes Create, Change, and Display. A user who would like to display Bank Statement reports using SAP Cash Management powered by SAP HANA should have Bank Statement display authorization. This authorization object is assigned to the standard role Cash Manager by default.	Reused
B_BUPA_GRP	With this authorization object, you define which business partners can be edited on the basis of the authorization group.	Reused
CA_POWL	With this authorization object, you define the authorizations for the Personal Object Worklist (POWL) iViews	Reused
S_ALM_ROLE	Whenever a user tries to manipulate or to display the alerts of another user, the corresponding activities of authorization object S_ALM_ROLE are checked.	Reused
S_START	This authorization object is used during the start authorization check for particular TADIR objects, such as Web Dynpro applications.	Reused
S_TCODE	Whenever a transaction is started, the kernel uses the transaction code as the value to check against the authorization object.	Reused
S_USER_AGR	This authorization object is used to protect the roles. Roles are used to combine users into groups and to assign them different attributes, in particular transactions and authorization profiles.	Reused
S_OC_SEND	With this authorization object, you define the communication method for incoming and outgoing communication, as well as the maximum number of recipients.	Reused

Technical Name	Description	New or Reused
S_WF_WI	With this authorization object, you can check whether certain actions can be performed on specific work items.	Reused
F_LFA1_BUK	With this authorization object, you can specify which activities are allowed in the company code-dependent area of the vendor master record.	Reused
F_FDES_BUK	With this authorization object, you can check the authorizations to maintain Cash Management and Forecast payment advices and planned items in a company code.	Reused
F_FDES_GSB	With this authorization object, you can check the authorizations to maintain Cash Management and Forecast payment advices and planned items in a business area.	Reused

Authorization Objects for New General Ledger

In contrast to the general ledger in SAP enhancement package 7 for SAP ERP 6.0, the general ledger for the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA uses the additional authorizations objects outlined in the following table:

Technical Name	Description
F_FAGL_CV	*Customizing: Versions*
F_FAGL_DRU	*General Ledger: Authorization for Rule Entries for Validation*
F_FAGL_LDR	*General Ledger: Authorization for Ledger*
F_FAGL_SEG	*General Ledger: Authorization for Segment*
F_FAGL_SKF	*FI: Processing of Statistical Key Figures*
F_FAGL_SLL	*General Ledger: Authorization to Switch Leading Ledger*

More Information

For more information on the standard roles and authorization objects used in accounting, see under the relevant the subcomponents on SAP Help Portal at http://help.sap.com *SAP Business Suite* > *SAP ERP* >

SAP Enhancement Package 7 for SAP ERP 6.0 > *Security Information* > *Security Guide* > *SAP ERP Security Guides* > *SAP ERP Central Component Security Guide* > *Accounting*.

7.1.3 Network and Communication Security

Your network infrastructure is extremely important in protecting your system. Your network needs to support the communication necessary for your business and your needs without allowing unauthorized access. A well-defined network topology can eliminate many security threats based on software flaws (at both the operating system and application level) or network attacks such as eavesdropping. If users cannot log on to your application or database servers at the operating system or database layer, then there is no way for intruders to compromise the devices and gain access to the back-end system's database or files. Additionally, if users are not able to connect to the server LAN (local area network), they cannot exploit known bugs and security holes in network services on the server machines.

The network topology for the SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA is based on the topology used by SAP ERP Central Component and the SAP NetWeaver platform. Therefore, the security guidelines and recommendations described in the SAP ERP Central Component also apply to the finance add-on.

For more information, see SAP Help Portal at http://help.sap.com > *SAP Business Suite* > *SAP HANA Innovations for SAP Business Suite* > *Products powered by SAP HANA* > *SAP Simple Finance Add-On 1.0 for SAP Business Suite powered by SAP HANA* > *Application Help* > *<Language>* > *SAP ERP Cross-Application Functions* > *SAP ERP Security Guide* > *SAP ERP Central Component Security Guide* > *Network and Communication Security*.

Important Disclaimers and Legal Information

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