



What's New - Release Notes

- SAP HANA Appliance Software SPS 03

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SAP HANA Appliance Software SPS 03 Features

1.1 Security Features

The following improvements are available:

- SSL Communication Encryption

Enables SSL encryption of the communication between the SAP HANA database and clients and protects the transmitted information from eavesdropping.

- New Auditing Events Added

Provides an audit trail of additional events in the SAP HANA database. New audit events are as follows:

- Global configuration changes
- Audit policy changes (enable/disable)
- Connection attempts
- Creation/dropping of analytical privileges
- Setting of license keys

- Secure User Store

The secure user store is part of the SAP HANA client (hdbuserstore). It securely stores SAP HANA login information including username and passwords. This allows client programs to connect to the SAP HANA database without explicitly logging in.

Note:

See [SAP HANA Appliance Software Knowledge Center](#) on SAP Help Portal:

- [SAP HANA Security Guide](#)
- [SAP HANA Database Security Guide](#)

1.2 Backup and Recovery

This feature enables point-in-time recovery of the SAP HANA database which can be used in the event of a system failure. This allows the SAP HANA database to be recovered to a point in time specified by the user, or to a specified position in the database log. Full user interface support is provided by SAP HANA studio.

Note:

See [SAP HANA Appliance Software Knowledge Center](#) on SAP Help Portal -> [SAP HANA Database Backup and Recovery Guide](#)

1.3 SAP HANA Information Composer

The SAP HANA information composer is a new Web-based environment that allows business users to upload data to the SAP HANA database and to manipulate data by creating information views.

Note:

See [SAP HANA Appliance Software Knowledge Center](#) on SAP Service Marketplace -> [SAP HANA Information Composer - Installation and Configuration Guide](#)

See [SAP HANA Appliance Software Knowledge Center](#) on SAP Help Portal -> End User Information -> SAP HANA Information Composer End User Guide

1.4 SAP HANA Unified Installer

SAP HANA unified installer is used to install the SAP HANA appliance software in a single, unified and predefined way.

Note:

See [SAP HANA Appliance Software Knowledge Center](#) on SAP Service Marketplace -> [SAP HANA Installation Guide with SAP HANA Unified Installer](#)

1.5 DBA Cockpit for the SAP HANA Database

The DBA Cockpit for the SAP HANA database is available as of SAP NetWeaver Business Warehouse 7.30 SPS5, SAP NetWeaver Basis 7.02 SP10 and, SAP Solution Manager 7.1 SP4. The DBA Cockpit supports the SAP HANA database as of SAP HANA appliance software SPS 03.

The DBA Cockpit is a platform-independent tool that you can use to monitor, control, configure, backup and administer your database. You can access the DBA Cockpit by calling transaction DBACOCKPIT.

Note:

See [SAP HANA Appliance Software Knowledge Center](#) on SAP Help Portal -> [SAP HANA Database Administration Guide](#)

1.6 Software Update Manager (SUM)

The Software Update Manager (SUM) for SAP HANA is part of the Software Logistics Toolset (SL Toolset). It downloads new Support Package Stacks (SPS) for SAP HANA from the SAP Service Marketplace (SMP) and updates the components on your SAP HANA system.

See [SAP HANA Appliance Software Knowledge Center](#) on SAP Service Marketplace -> [SAP HANA Automated Update Guide](#)

1.7 SAP HANA Modeler – Auto Documentation

The auto-documentation feature in the SAP HANA modeler allows generation object documentation based on the metadata describing a modeling object.

Note:

See [SAP HANA Appliance Software Knowledge Center](#) on SAP Help Portal -> [SAP HANA Modeler Guide](#)

Getting Started with SAP HANA Appliance Software (SAP HANA)

2.1 Software Download

The components of SAP HANA can only be installed by certified hardware partners on validated hardware running a specific operating system. Any other system or content developed with such systems is not supported by SAP. For more information, see the information page of the product version. Support Package Stacks (SPS) can be downloaded and applied to appliances according to agreements with the respective hardware partner.

2.2 Software Components

SAP HANA appliance software is available in different editions:

- SAP HANA appliance software platform edition
- SAP HANA appliance software enterprise edition
- SAP HANA appliance software enterprise extended edition

Components	Platform	Enterprise	Extended
SAP HANA database	x	x	x
SAP HANA studio	x	x	x
SAP HANA client	x	x	x
SAP Host Agent 7.20	x	x	x
SAP HANA information composer	x	x	x
LT Replication AddOn		x	x
LT Replication Server		x	x
SAP BusinessObjects Data Services 4.0		x	x
Sybase Adaptive Server Enterprise (ASE) 15.5			x
Sybase Replication Server 15 (incl. ECDA)			x
Sybase Replication Server Agent 15			x
SAP HANA load controller			x

The **SAP HANA appliance software platform edition** is intended for customers who want to use the ETL-Based Replication and already have a license for SAP BusinessObjects Data Services. It comprises the following components:

- SAP HANA database
- SAP HANA studio
- SAP HANA client
- SAP Host Agent 7.20
- SAP HANA information composer

The **SAP HANA appliance software enterprise edition** is intended for customers who want to use either Trigger-Based Replication or ETL-Based Replication and do not already have all necessary licenses for SAP BusinessObjects Data Services. It comprises the following components:

- SAP HANA database
- SAP HANA studio
- SAP HANA client
- SAP Host Agent 7.20
- SAP HANA information composer
- LT Replication AddOn
- LT Replication Server
- SAP BusinessObjects Data Services 4.0

The **SAP HANA appliance software enterprise extended edition** is intended for customers who want to use the full potential of all available replication scenarios including the Log-Based Replication. It comprises the following components:

- SAP HANA database
- SAP HANA studio
- SAP HANA client
- SAP Host Agent 7.20
- SAP HANA information composer
- LT Replication AddOn
- LT Replication Server
- SAP BusinessObjects Data Services 4.0
- Sybase Adaptive Server Enterprise (ASE) 15.5
- Sybase Replication Server 15 (incl. ECDA)
- Sybase Replication Server Agent 15
- SAP HANA load controller

Note:

- The Software Update Manager (SUM) for SAP HANA is installed by the SAP HANA unified installer together with other SAP HANA components. For a list of components, see [SAP HANA Installation Guide](#), section "Installed SAP HANA Components and Directories". The Software Update Manager (SUM) for SAP HANA is part of the Software Logistics Toolset (SL Toolset).
- SAP HANA information composer is a Web-based environment which allows business users to upload data to the SAP HANA database and to manipulate that data by creating Information Views. The SAP HANA information composer is installed separately from the SAP HANA system. For more information, see [SAP HANA Information Composer – Installation and Configuration Guide](#).

2.3 Hardware and Software Requirements

Note:

You can find the complete list of all SAP HANA components and the respective SAP HANA hardware and software requirements in the Product Availability Matrix (PAM) on SAP Service Marketplace at <https://service.sap.com/pam>.

Software Requirements

Operating System for SAP HANA

SUSE Linux Enterprise Server (SLES) 11 SP1 – see [SAP Note 1310037](#) for information about installing SLES 11 SP1 in an SAP environment

Note:

Only the software installed by your hardware partners is recommended on the SAP HANA box. Do not install additional software on the SAP HANA box.

Hardware Requirements

Hardware Requirements for SAP HANA Network Connection

SAP recommends a dedicated server network communication of 10 GBit/s between the SAP HANA landscape and the source system for efficient data replication.

2.4 What is SAP HANA?

- SAP HANA
 - SAP HANA is a flexible, data-source-agnostic appliance that enables customers to analyze large volumes of SAP ERP data in real-time, avoiding the need to materialize transformations.

- SAP HANA is a hardware and software combination that integrates a number of SAP components including the SAP HANA database, Sybase Replication technology and SAP LT (Landscape Transformation) Replicator.
- SAP HANA is delivered as an optimized appliance in conjunction with leading SAP hardware partners.
- SAP HANA database
 - The SAP HANA database is a hybrid in-memory database that combines row-based, column-based, and object-based database technology. It is optimized to exploit the parallel processing capabilities of modern multi-core/CPU architectures. With this architecture, SAP applications can benefit from current hardware technologies.
 - The SAP HANA database is the heart of SAP's in-memory technology offering, helping customers to improve their operational efficiency, agility, and flexibility.

