



# How to request license keys for SAP Application on SAP HANA database

A step-by-step guide

SAP Global License Audit & Compliance

PUBLIC

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# Introduction

You want to request a license key for your NetWeaver based SAP Business Suite system or SAP Application in combination with a SAP HANA database.

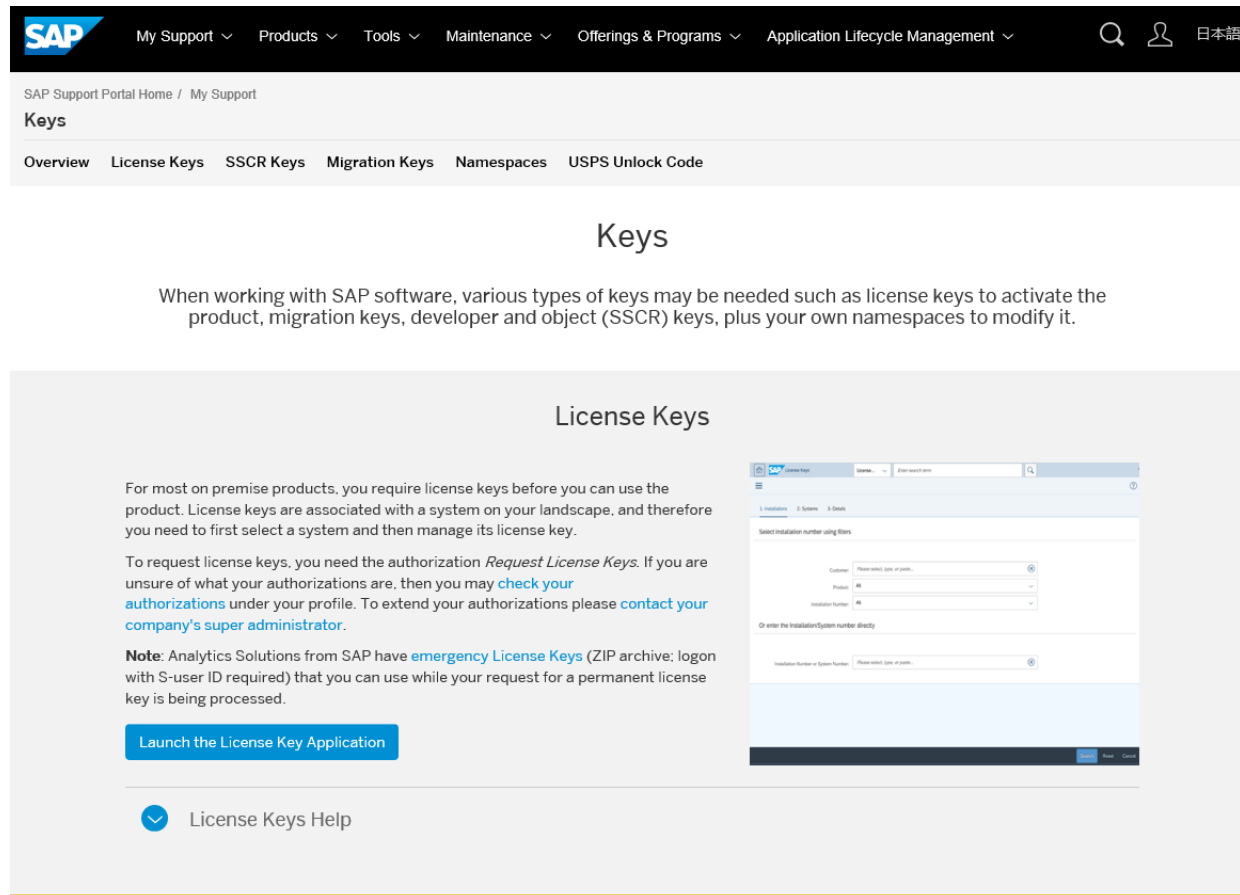
Please note that you need to set up/request two systems/SIDs to get the license keys for your SAP Business Suite system / SAP Application and your SAP HANA installation.

You can request both license keys under any installation number under your account.

Information about the SAP HANA Runtime Edition (unlimited) can be found on [page 13](#).

# Request a license key for a new system

You can reach the license key application via [Support Portal](#) or [SAP ONE Support Launchpad](#)



**Keys**

When working with SAP software, various types of keys may be needed such as license keys to activate the product, migration keys, developer and object (SSCR) keys, plus your own namespaces to modify it.

### License Keys

For most on premise products, you require license keys before you can use the product. License keys are associated with a system on your landscape, and therefore you need to first select a system and then manage its license key.

To request license keys, you need the authorization *Request License Keys*. If you are unsure of what your authorizations are, then you may [check your authorizations](#) under your profile. To extend your authorizations please [contact your company's super administrator](#).

**Note:** Analytics Solutions from SAP have [emergency License Keys](#) (ZIP archive; logon with S-user ID required) that you can use while your request for a permanent license key is being processed.

[Launch the License Key Application](#)

[License Keys Help](#)

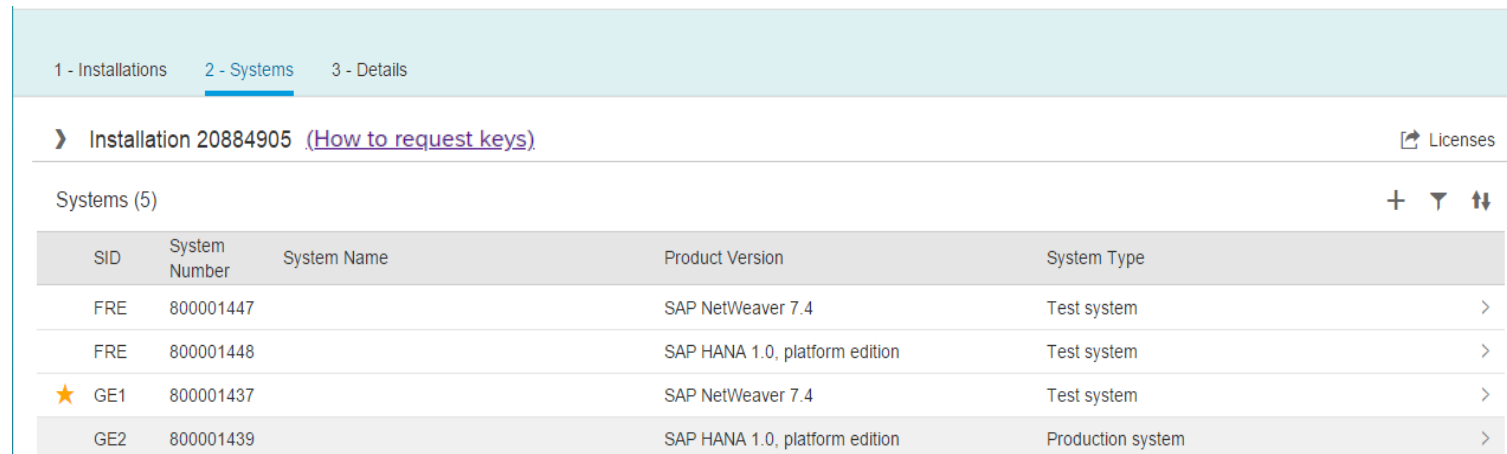
# Overview of License Key Application starting page

The screenshot shows the starting page of the License Key Application. It features a left-hand navigation menu with four items: 'Request License Key', 'History of Requests', 'Favorites', and 'Help'. The main content area is titled '1- Installations' and includes a breadcrumb trail '1- Installations > 2- Systems > 3- Details'. Below the breadcrumb, the text 'Select installation number using filters' is displayed. There are three filter fields: 'Customer' (with a placeholder 'Please select, type, or paste...'), 'Product' (set to 'All'), and 'Installation Number' (set to 'All'). A callout box points to the 'Product' field with the text: "Product" is a filter of the installation product types. It will not list every product in your contract. Below the filters, the text 'Or enter the Installation/System number directly' is shown, followed by an input field with a placeholder 'Please select, type, or paste...'. A callout box points to this field with the text: Select installation number by using filters (customer number or installation number) or enter the installation number or system number directly in the empty field. At the bottom right, there are buttons for 'Click Search', 'Search', 'Reset', and 'Cancel'. A callout box points to the 'Click Search' button with the text: Click Search. Another callout box at the top right points to a help icon with the text: Click ? to go back to <http://support.sap.com/licensekey>. A 'Display / Hide main menu' button is located at the top left of the main content area.

# License Key request for SAP Business Suite Application with SAP HANA database

You have to request a license key with SAP Product NetWeaver (or ERP, CRM, etc.) and database 'SAP HANA database'.

Click on '+'-icon to add a new system.

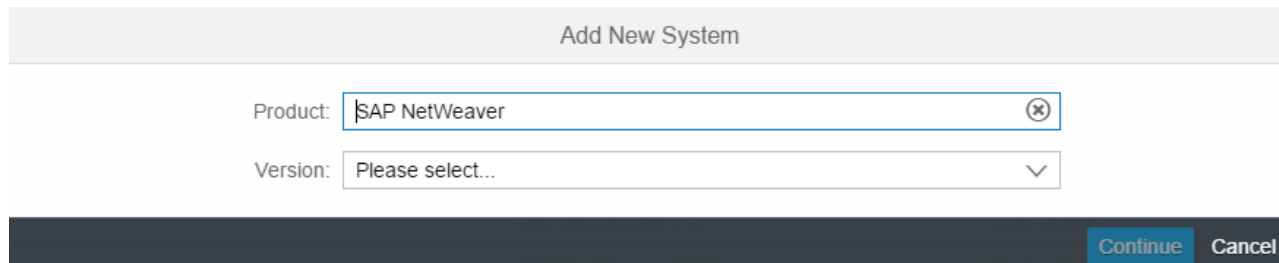


The screenshot shows the 'Systems' tab for installation 20884905. It displays a table with 5 systems. The table has columns for SID, System Number, System Name, Product Version, and System Type. The systems listed are:

SID	System Number	System Name	Product Version	System Type
FRE	800001447		SAP NetWeaver 7.4	Test system
FRE	800001448		SAP HANA 1.0, platform edition	Test system
★ GE1	800001437		SAP NetWeaver 7.4	Test system
GE2	800001439		SAP HANA 1.0, platform edition	Production system

# License Key request for SAP Business Suite Application with SAP HANA database

Select SAP NetWeaver or ERP and click on ,Continue‘



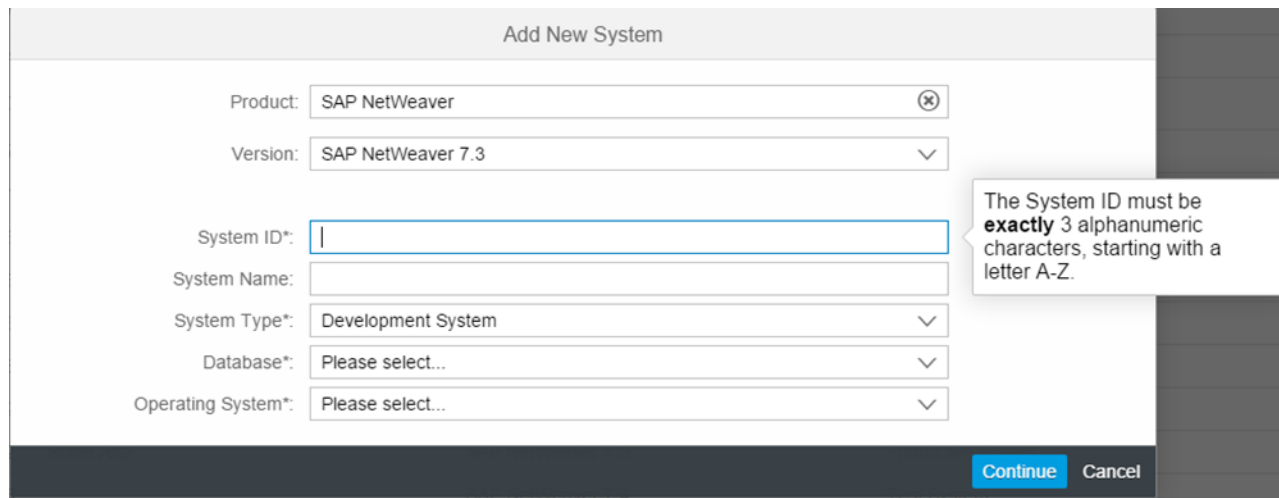
Add New System

Product: SAP NetWeaver

Version: Please select...

Continue Cancel

Insert System ID, System Type, Database (SAP HANA database) and Operating System.



Add New System

Product: SAP NetWeaver

Version: SAP NetWeaver 7.3

System ID\*: |

System Name:

System Type\*: Development System

Database\*: Please select...

Operating System\*: Please select...

The System ID must be exactly 3 alphanumeric characters, starting with a letter A-Z.

Continue Cancel

# License key request for SAP Business Suite Application with SAP HANA

Click the '+'-icon and select license type 'Standard' and add the Hardware Key. A Maintenance Certificate will be created automatically with your request.

The screenshot shows the 'License Keys' interface in SAP. At the top, there is a table with columns: Hardware Key, License Type, Quantity, Valid Until, and Status. Below the table, a message states: 'No license key requests have been made for this system. Click + to add a request below. You may add more than one request before generating the key(s)'. A 'Create License Key Request' dialog box is open, showing the following fields:

- License Type\*: Standard - Web Application Server ABAP or ABAP+JAVA
- Hardware Key\*: dummydummyd
- Valid until\*: 31-12-9999

Buttons for 'Add', 'Reset', and 'Cancel' are visible at the bottom of the dialog. Below the dialog, the 'System FRE' section shows a table with 2 license keys:

Hardware Key	License Type	Quantity	Valid Until	Status
<input type="checkbox"/> dummydummyd	Standard - Web Application Server ABAP or ABAP+JAVA		Permanent	New entry
<input type="checkbox"/> dummydummyd	Maintenance Entitlement		31.12.2018	New entry



# License key request for SAP Business Suite Application with SAP HANA

Afterwards please select the button 'Generate' and your license keys will be generated immediately.

You are now able to download the license key file or to send it to one or more email addresses. The license key file contains a license key for your Business Suite system. This file needs to be installed in transaction SLICENSE of the system.

› System FRE ☆

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Your license keys are listed below. You can download the keys and you also have the option to request a license key email by selecting the relevant keys and clicking the email button below.

If you want to edit existing license keys or if you want to add additional license keys to the system, press the Edit button at the bottom of the screen, then check your system details and press the Continue button on the next screen.

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License Keys (2) ↓ ✉

<input type="checkbox"/> Hardware Key	License Type	Quantity	Valid Until	License Key
<input type="checkbox"/>	dummydummyd		-	Digital Signature
<input type="checkbox"/>	dummydummyd		Permanent	Digital Signature

**Verification:** The file contains one line with SWPRODUCTNAME=NetWeaver\_HDB and one with SWPRODUCTNAME=Maintenance\_HDB.

# License key request for SAP HANA database

To get the license key for the SAP HANA database, you need to request an additional 'New System'. **Do not request** the HANA database key under the existing ERP or Netweaver system.

Click on '+'-icon to add a new system.

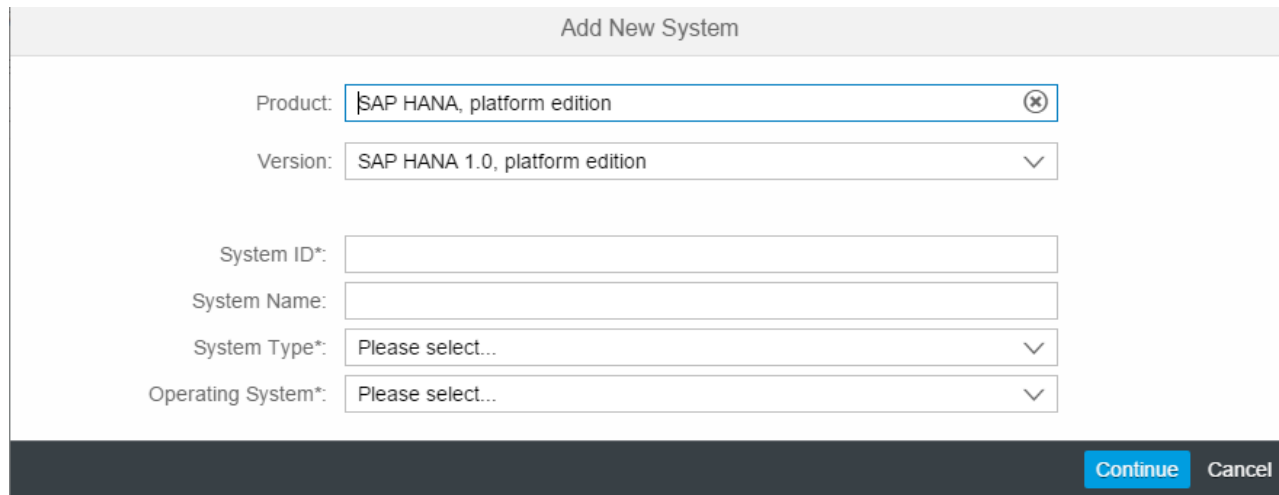
The screenshot shows a navigation bar with three tabs: '1 - Installations', '2 - Systems' (which is active and underlined), and '3 - Details'. Below the navigation bar, there is a breadcrumb trail: '› Installation 20884905 (How to request keys)' with a 'Licenses' link icon to its right. Underneath, it says 'Systems (5)' followed by '+', a funnel icon, and a double-headed arrow icon. A table with the following data is displayed:

SID	System Number	System Name	Product Version	System Type	
FRE	800001447		SAP NetWeaver 7.4	Test system	>

# License key request for SAP HANA database

Select Product HANA platform edition.

If you are licensed for a different SAP HANA edition (e.g. SAP HANA enterprise edition) please also use 'SAP HANA platform edition' as the key is for the platform'.



The screenshot shows a dialog box titled "Add New System". It contains the following fields:

- Product: SAP HANA, platform edition (with a clear button)
- Version: SAP HANA 1.0, platform edition (with a dropdown arrow)
- System ID\*: (empty text box)
- System Name: (empty text box)
- System Type\*: Please select... (with a dropdown arrow)
- Operating System\*: Please select... (with a dropdown arrow)

At the bottom right, there are two buttons: "Continue" (highlighted in blue) and "Cancel".

If the SID of the SAP HANA database has the same SID you will receive a 'Warning' with the information that there is already an existing system with the same SID. In this example it's the SID of the Business Suite system.

# License Key request for SAP HANA database

Warning

**A System with ID 'FRE' already exists**

You are about to create a new system with a System ID you have already used on this installation.

**SAP Business Suite**

You may encounter an error when you installing the license key because license keys are tied to the System ID you specify in this step, and you have already used this System ID for a previous license key request (see SAP Note [836348](#) for more information).

**SAP HANA**

Please note that you need to request two separate System IDs to get the correct license keys for

- your SAP Business Suite system (SAP NetWeaver/ERP) and
- your SAP HANA system (see SAP Note [1644792](#) for more information).

**SAP Business Objects/SAP Sybase**

It is recommended but not mandatory to use a unique System ID for each new system.

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If you still want to use this duplicate System ID, click the "Create New System" button. Otherwise, click "Cancel" and enter a unique System ID.

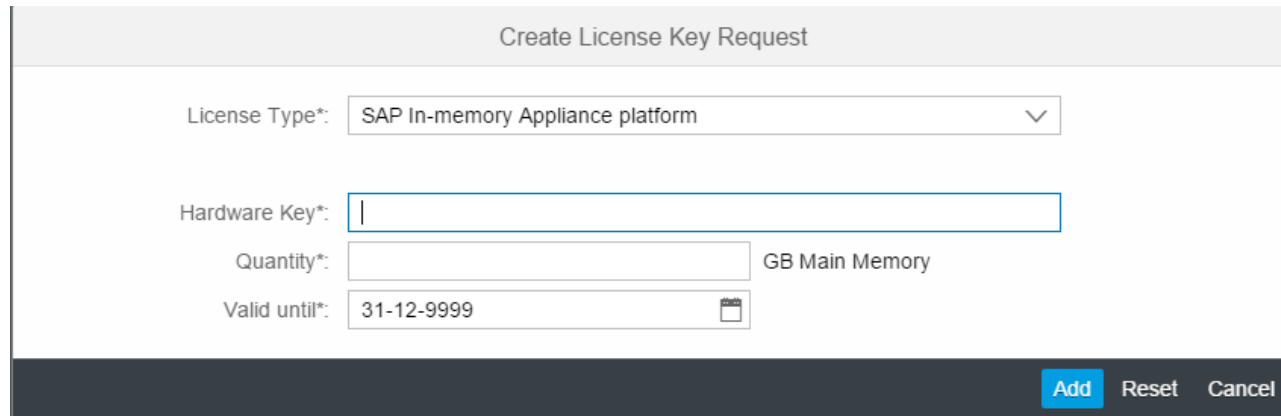
To edit the existing system that uses this System ID (e.g. Hardware Key change), click "Cancel", select the existing system from the list and select "Edit".

[Create New System](#) Cancel

Click on 'Create New System' and go on with your request. Click again on '+' to enter a request.

# License Key request for SAP HANA database

In the next step you will see the license type 'SAP In-memory Appliance platform' and field Quantity. You need to specify the main memory in GB you are licensed for. Click on 'Add'.



Afterwards please select the button 'Add' and "Generate" and your license keys will be generated immediately. You are now able to download the license key file or send it to one or more email addresses. If you need help to install the license key please use [SAP Note 1644792](#) - License key/installation of SAP HANA

Verification: The file contains one line with SWPRODUCTNAME=SAP\_HANA and one line with the quantity you have requested, e.g. SWPRODUCTLIMIT=0000000128

# License Key request for SAP HANA Runtime Edition (unlimited)

Please follow the same steps as in „License key request for SAP Business Suite Application with SAP HANA”. In the field Quantity we recommend to insert the maximum quantity that is restricted by your database. BUT it is not possible to insert UNLIMITED.

If you need help please use [SAP Note 2523613](#) HANA Enterprise Edition keys vs. HANA Runtime Edition keys

The screenshot shows a web form titled "Create License Key Request". It contains the following fields and controls:

- License Type\*:** A dropdown menu with "SAP In-memory Appliance platform" selected.
- Hardware Key\*:** A text input field containing "A0000000000".
- Quantity\*:** A text input field that is currently empty. To its right, the text "GB Main Memory" is displayed.
- Valid until\*:** A date picker field showing "31-12-9999".
- Buttons:** At the bottom right, there are three buttons: "Add" (highlighted in blue), "Reset", and "Cancel".

Afterwards please select the button 'Add' and "Generate" and your license keys will be generated immediately. You are now able to download the license key file or send it to one or more email addresses.

If you need help to install the license key please use [SAP Note 1644792](#) - License key/installation of SAP HANA

# Other Applications in combination with SAP HANA database

## Other Applications in combination with SAP HANA database

Not only SAP Business Suite applications are running on SAP HANA but also other applications, e.g. SAP Financial Consolidation which belongs to the SAP Enterprise Performance Manager (EPM) Solutions. The same process as described above is also valid for these products.

You need to request a license key for the application and the license key for the SAP HANA database. Both requests can be submitted under the same installation number but as separate systems. But it's not mandatory to use the same installation number.

# Additional License Types in combination with SAP HANA database

Additional License Types for AddOns are available in combination with your SAP HANA database:

- **SAP HANA Dynamic Tiering**
- **SAP HANA remote data sync**
- **SAP HANA Streaming Analytics (also known as SAP HANA Smart Data Streaming)**

**Prerequisite:** A license to use these add-ons must be included in the contract linked to the installation number you are using for your HANA key requests.

To add this product to your License Key file you have to edit the **existing** HANA system and select the product in the field License Type.

## **SAP HANA Enterprise Performance Manager (EPM) and -MDS component**

The license for SAP-HANA-EPM is not required to use the functionality of the SAP HANA EPM-MDS component.

When a temporary license for SAP-HANA-EPM exists in the system it is not required to extend this license.

The services provided by SAP HANA EPM\_MDS can still be used after expiration of the temporary SAP-HANA-EPM license.

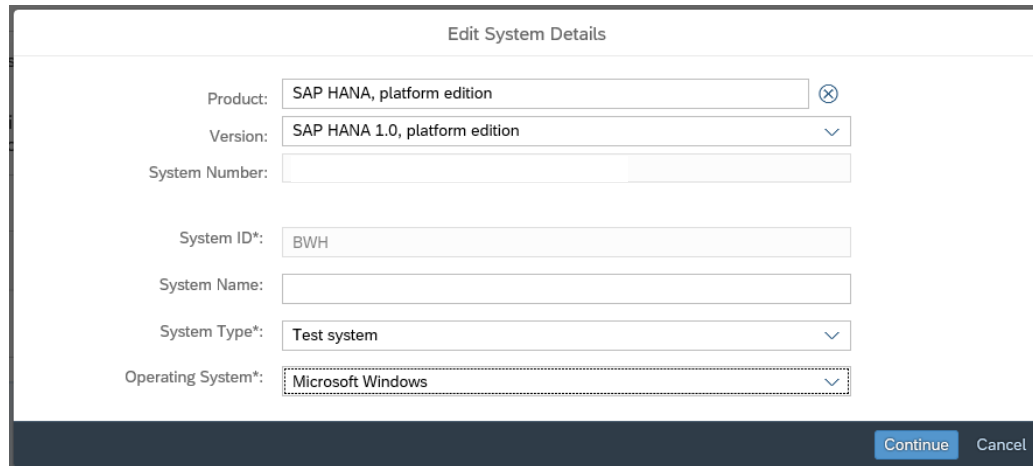
The SAP HANA EPM\_MDS will not affect the number of users that can be created in the HANA system.

see [KBA 3141387](#)



# Additional License Types in combination with SAP HANA database

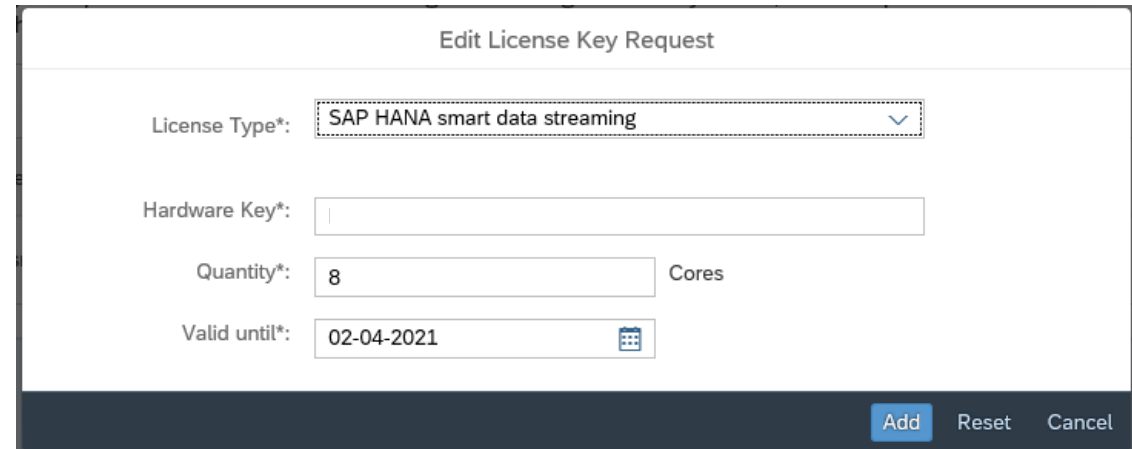
Example how to add the additional license type: please edit an existing system or create a new system and click Continue. You may not see all license types – the available license types are based on your contract.



The 'Edit System Details' dialog box contains the following fields:

- Product: SAP HANA, platform edition
- Version: SAP HANA 1.0, platform edition
- System Number: (empty)
- System ID\*: BWH
- System Name: (empty)
- System Type\*: Test system
- Operating System\*: Microsoft Windows

Buttons: Continue, Cancel



The 'Edit License Key Request' dialog box contains the following fields:

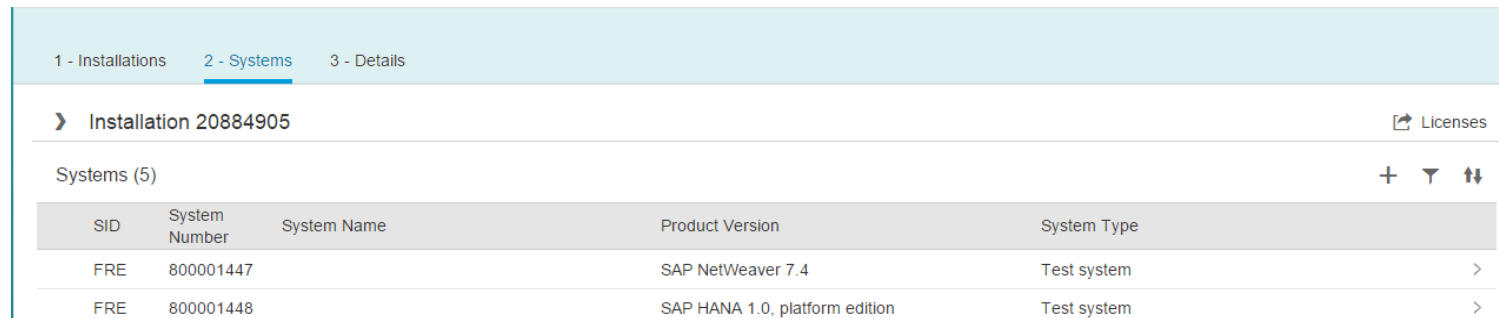
- License Type\*: SAP HANA smart data streaming
- Hardware Key\*: (empty)
- Quantity\*: 8 Cores
- Valid until\*: 02-04-2021

Buttons: Add, Reset, Cancel

# System overview and Service Connections

## System overview and Service Connections

You will see two SIDs for the same system in the license key request application and in the system data application. For service connections you will then have to maintain the servers and always raise the ticket on the right SID depending on where you have the problem.



The screenshot shows a web interface for system management. At the top, there are three tabs: '1 - Installations', '2 - Systems' (which is selected and underlined), and '3 - Details'. Below the tabs, there is a header for 'Installation 20884905' with a 'Licenses' link on the right. Underneath, it says 'Systems (5)' with icons for adding, filtering, and sorting. A table lists two systems:

SID	System Number	System Name	Product Version	System Type	
FRE	800001447		SAP NetWeaver 7.4	Test system	>
FRE	800001448		SAP HANA 1.0, platform edition	Test system	>

You can maintain your service connections [here](#).

# Licenses for some SAP HANA editions include usage of SAP BusinessObjects Data Integrator

Several editions, but not all, of SAP HANA include rights to restricted use SAP BusinessObjects Data Integrator.

SAP BusinessObjects Data Integrator needs a license key to be activated.

## Additional information

You will find additional information in [SAP Note 1644792](#).

In case of any questions please open a message on XX-SER-LIKEY component using [incident wizard](#).

# Additional information

## SAP Help Portal

[SAP Help Portal – SAP HANA Platform - SAP HANA Administration Guide – Managing SAP HANA Licenses](#)

## Relevant SAP HANA DB & Tenant Notes:

[1644792](#) - License key/installation of SAP HANA

[2523613](#) - HANA Enterprise Edition keys vs. HANA Runtime Edition keys

[2101244](#) - FAQ: SAP HANA Multitenant Database Containers (MDC)

[2096000](#) - SAP HANA tenant databases - Additional Information

[2645528](#) - How to install license for tenant database

[1681092](#) - Multiple SAP HANA systems (SIDs) on the same underlying server(s)

[2832368](#) - Tenant is locked with license key error "System locked; license is invalid or expired" even though the SYSTEMDB has a valid license