



License Keys for SAP Sybase Products

A step-by-step guide

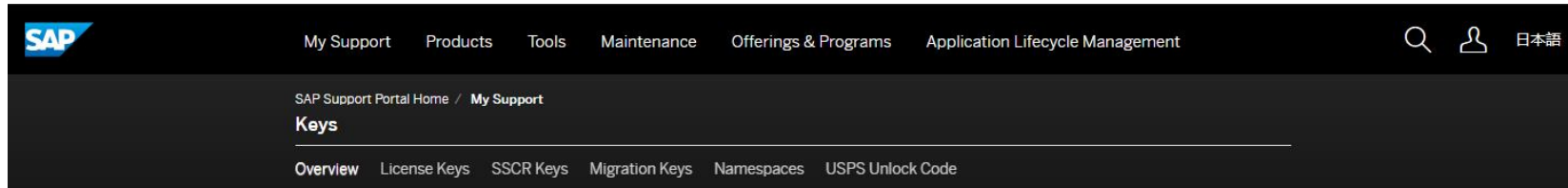
SAP Global License Audit & Compliance

PUBLIC

Agenda

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Where to request license keys - <http://support.sap.com/licensekey>



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; login with S-user ID required) that you can use while your request for a permanent license key is being processed.



The screenshot shows the SAP License Key application interface. It includes a header with 'SAP License Key' and 'Request License Keys'. Below the header, there are several sections with input fields and buttons. The first section is titled 'Select the installation number using filter' and contains three rows of input fields for 'Country', 'Installation Number', and 'Product'. The second section is titled 'Or enter the installation number manually' and contains a single input field for 'Installation Number'. The third section is titled 'Or select the product for which you wish to request' and contains a dropdown menu. At the bottom of the interface, there is a 'Request' button and a 'Cancel' button.

[Launch the License Key Application](#)

Click button
License key application

[License Keys Help](#)

Under License Keys Help you can find the How-To-Guides to request license keys for all products

Overview of license key application starting page

The screenshot shows the SAP License Keys application interface. The top navigation bar includes the SAP logo, the text "License Keys", and a search field with the placeholder "Enter search term". A main menu icon is highlighted with a red box and labeled "Display / Hide main menu".

The left sidebar contains a menu with the following items: "Request License Key", "History of Requests", "Favorites", "Help", "User Mode", and "Tools".

The main content area is titled "Select the installation number using filters" and contains several filter fields: "Customer: Not applicable", "Product of Installation Number: Not applicable", and "Installation Number: Not applicable". A red box highlights the "Installation Number" field. Below these fields, there is a section for "or enter the installation number" and "or select the product for which you are licensed".

Two callout boxes provide instructions: "Use 'Product of Installation number' to filter for specific installation product types. This is **not** a list of every product in your contract. Leave field as 'All' so that all installation numbers remain selectable." and "Use 'Deployed Product' to select the product for which you want to request a license key. This will list the relevant Installation Numbers that are linked to licensed products in your contract.".

A top-right callout box says "Click [help icon] to go back to <http://support.sap.com/licensekey>".

At the bottom right, there are buttons for "Search", "Reset", and "Cancel".

Request a license key for a new system

1- Installations 2- Systems 3- Details

Select the installation number using filters

Customer:

Product of Installation Number:

Installation Number:

or enter the installation/system number directly

Installation Number or System Number:

Or select the product for which you are licensed

NEW : [How to use this option](#)

Deployed Product:

Select installation number by using filters Customer number or Installation number or enter the installation number or system number directly in the empty field or use Deployed Product

Click Search

Request a License Key for a New System

1- Installations 2- Systems 3- Details

> Use this button to open the installation details

Licenses ☆

Show Filter Bar Filters Go

+ ↕

Systems (7)

SID	System Number	System Name	Product Version	System Type
AAA	800064267	AAA	SAP Adapti	
AC2	850244872	Demo	SAP NetWe	
AC3	850244875	Demo	SAP Adapti	
AS5	850200642	test for demo	SAP Adapti	
ASP	850321148		SAP Adaptive Server Enterprise 16.0	Productive System >
SH1	800199754	test	SAP Adaptive Server Enterprise 16.0	Development system >
SP4	850485040		SAP Adaptive Server Enterprise 16.0	Development system >

Several functions are available:

- Display License key relevant contract information [Licenses](#)
- Add new system +
- Sort list ↕
- Mark as favorite ☆

Refresh Back Cancel

Request a License Key for a New System

1- Installations 2- Systems 3- Details

> Installation 20984431 ([How to request keys](#)) Licenses ☆

Show Filter Bar Filters **Go**

Systems (7) Click + to add a new system for a new license key request **+** ↑↓

SID	System Number	System Name	Product Version	System Type	
AAA	800064267	AAA	SAP Adaptive Server Enterprise 16.1	Productive System	>
AC2	850244872	Demo	SAP NetWeaver 7.4	Development system	>
AC3	850244875	Demo	SAP Adaptive Server Enterprise 12.5	Productive System	>
AS5	850200642	test for demo	SAP Adaptive Server Enterprise 16.0	Development system	>
ASP	850321148		SAP Adaptive Server Enterprise 16.0	Productive System	>
SH1	800199754	test	SAP Adaptive Server Enterprise 16.0	Development system	>
SP4	850485040		SAP Adaptive Server Enterprise 16.0	Development system	>

Refresh Back Cancel

Request a License Key for a New System

Add New System

Product:

Version:

Select the requested Product and Version or enter the requested product in the field

Add New System

Product:

Version:

System ID*: [Details in KBA](#)

System Name:

System Type*:

Operating System*:

Infrastructure*: [Details in KBA](#)

Enter the system data information

Generating SySAM 2.0 License Keys – *Before you Begin*

Below is an excerpt from the SySAM 2 Users Guide. It is recommended you review the SySAM 2 Users Guide prior to generating your license keys.

Determining Your License Deployment Model:

- Before you generate licenses for SySAM 2-enabled products, determine the license deployment model to use.
- There are two license deployment models from which to choose: the served license model or the unserved license model.
- When you use the un-served license deployment model, you generate and download a separate license for each machine where the product runs.
- SAP recommends that you use the served license model if you run products on more than several machines, as this simplifies and centralizes license administration providing more control over software assets.

Generating SySAM 2.0 License Keys – *Before you Begin*

Unserved Licenses

Licenses can be used only on the machine for which the license was generated.

Generate licenses at SMP for each machine that will run the product:
1. Specify the host ID of the machine where the product will run.
2. Generate a license for that machine.
3. Save the license to the specified machine.
4. Repeat steps 1 - 3 for each machine where the product will run.

No license administration is required. However, when new licenses are required for product updates, you must update and deploy each license for each machine where the product update will run.

No license reporting or asset management capabilities are available.

Served Licenses

Licenses can be distributed from a network license server to products running on any network machine.

Generate licenses at SMP for products running on multiple machines:
1. Specify the host ID of the license server.
2. Specify the number of required licenses.
3. Save the licenses to the license server host machine.

The license server requires limited administration. When new licenses are required for product updates, SMP lets you update all licenses for a specific license server in a single step.

Allows license monitoring and reporting of license use, capacity planning, and asset management using SAMreport.

Generating SySAM 2.0 License Keys – *Before you Begin*

Unserved Licenses

Installed locally and always available.

If a machine where the product is running fails, you must regenerate all of its licenses and deploy those licenses to the replacement machines.

License files are distributed across each machine running a product, and therefore they are difficult to manage and control.

Un-served Standalone Seat (SS) licenses do not allow product use via Remote Desktop Connection or other terminal services clients.

Served Licenses

Requires a functioning license server and network. If the license server or network fails, you must fix the problem or install an alternate license server before the product grace period expires (typically 30 days).

If a machine where the product is running fails, you can move the product to a new machine, and it will acquire licenses from the running license server. If the license server host machine fails, use the Manage License Hosts functionality at SAP Service Marketplace to move its licenses to a new network license server host.

License files are centrally located and managed.

Products can be used via Remote Desktop Connection or other Terminal Services clients, irrespective of the type of license in use.

Generating SySAM 2.0 License Keys – Served License Model

1- Installations 2- Systems 3- Details

> Installation 20984431 ([How to request keys](#)) 🔗 Licenses ☆

> System ASE

Show Filter Bar Filters **Go**

Entitlements ⌵ Expand All ⌶ Collapse All

Order Number:	11327506, Line Item 120	<div style="border: 2px solid #800000; border-radius: 10px; padding: 5px; display: inline-block;">Identify the order line you wish to generate your license key for and click <i>Generate</i></div> <div style="border: 2px solid #000080; border-radius: 10px; padding: 5px; display: inline-block; margin-left: 10px;">📄* Generate</div>
Item Description:	7011267 SAP Sybase ASE Runtime Edition	
Total Number of Licenses:	Unlimited Licenses	
License Type:	CPU License (CP)	

Generating SySAM 2.0 License Keys – Served License Model

> Installation 20984431 ([How to request keys](#)) Licenses ☆

> System ASE Show Filter Bar Filters **Go**

Entitlements Expand All Collapse All

Order Number: 11327506, Line Item 120
Item Description: 7011267 SAP Sybase ASE Runtime Edition Generate

Total

Generate License for SAP Adaptive Server Enterprise 16.0

Step 1: License Model

A license model refers to how you set up your license files to be accessed by your licensed program(s).

- License files can reside on a central, networked license server in a **Served License** model or
- can reside on the machine that is running the licensed program in an **Un-served License** model ([more information](#)). As a prerequisite, you need to know the Host ID of the particular machine in order to obtain the license key.

Only one license model can be generated at a time. If you want to generate licenses for more than one model, complete this process and repeat for the next license model.

License Model*: Served License Un-served License

1. Insure *Served License* is selected.
2. Click *Next* below

Next Cancel

Generating SySAM 2.0 License Keys – Served License Model

The screenshot shows the SAP SySAM 2.0 interface for generating license keys. The breadcrumb navigation at the top indicates the current step is '3- Details'. The main content area shows details for 'Installation 20984431' and 'System ASE'. A modal dialog box titled 'Generate License for SAP Adaptive Server Enterprise 16.0' is open, showing 'Previous Selections' and 'Step 2: License Quantity'. The dialog asks 'How many licenses do you want to generate?' and has a 'Quantity*' input field with the value '1'. A yellow callout box provides instructions: '1. Enter the quantity you wish to license' and '2. Click Next below'. The 'Next' button is highlighted with a red box.

1- Installations 2- Systems 3- Details

> Installation 20984431 (How to request keys) Licenses ☆

> System ASE

Show Filter Bar Filters Go

Entitlements Expand All Collapse All

Order Number: 11327506, Line Item 120

Item Description: 7011267 SAP Sybase ASE Runtime Edition Generate

Total

Generate License for SAP Adaptive Server Enterprise 16.0

Previous Selections

Step	Selection
License Model	Served License

Step 2: License Quantity

How many licenses do you want to generate?
(How many licenses should I generate for a Served License?)

Quantity*: 1 licenses

1. Enter the quantity you wish to license
2. Click Next below

Back Next Cancel

Generating SySAM 2.0 License Keys – Served License Model

Generate License for SAP Adaptive Server Enterprise 16.0

Previous Selections

Step	Selection
License Model	Served License
License Quantity	Quantity = 16

Step 3: Host Information

[What is my Host ID?](#)
Select an existing License Host from the list or enter a new one.

Existing License Hosts:

Host Name*:

Server Host ID*:

Port Number 1:

Port Number 2:

[About License Server Port Numbers](#)

Redundant Server 1

For high-availability environments, license files can run in a redundant 3 - license server cluster. If you want to use this option, enter both redundant servers below as well as the primary server above, including port numbers. Redundant license servers are not required.

Host Name:

Red. Server Host ID:

Port Number:

Redundant Server 2

1. Enter your host id information or select from previously licensed hosts
2. Click the *Generate* button

Generating SySAM 2.0 License Keys – Served License Model

> Installation 20984431 ([How to request keys](#)) Licenses ☆

> System ASE

Generate License for SAP Adaptive Server Enterprise 16.0

Filters **Go**

Entitlements

Previous Selections

Step	Selection
License Model	Served License
License Quantity	Quantity = 1

Step 3: Host Information

[What is my Host ID?](#)

Existing License Hosts:

Host Name*:

Server Host ID*:

Port Number 1:

Port Number 2:

[About License Server Port Numbers](#)

Redundant Server 1

Host Name:

Red. Server Host ID:

Port Number:

Redundant Server 2

Host Name:

Red. Server Host ID:

Port Number:

Generate

Back **Generate** Cancel

Enter your host ID information or select from previous licensed hosts and Click Generate

Generating SySAM 2.0 License Keys – Served License Model

> Installation 20984431 (How to request keys) Licenses ☆

> System ASE Show Filter Bar Filters **Go**

Entitlements Expand All Collapse All

Order Number: 11327506, Line Item 120 Generate

Item Description: 7011267 SAP Sybase ASE Runtime Edition Hide License View

Total Number of Licenses: Unlimited Licenses

License Type: CPU License (CP)

Served Licenses

System: ASE (Productive System) System No.: 850545732 Check In

License for Quantity: 1 Expiration Date: Permanent

Server Host ID: 12AB34CD56EF (DLcn)

Generated By: [Redacted], 15:27 CET

Download

Download

Download All

```
# Sybase Software Asset Management License File. CP License for SAP Sybase ASE
# Runtime Edition
SERVER DLcn 12AB34CD56EF
VENDOR SYBASE
USE_SERVER
PACKAGE SAP_ASE_RT SYBASE COMPONENTS="ASE_CORE ASE_ASM ASE_DIRS \
ASE_PRIVACY ASE_ENCRYPTION ASE_RLAC ASE_MDB ASE_RDDb ASE_HA \
ASE_T...
ASE_DOWNLOADANALYZER \
ASE_MEMSCALE...
REP_HVAR_ASE \
REP_DATA...
SIGN2="1B2...
73FF 8484 FA30 D1C6 10F0 ABEF EF41 171B D16F 4E87 9960 420B \
DDB5 1E25 CC1D DA4E 41EF 3C72 48C6"
INCREMENT SAP_ASE_RT SYBASE 2021.12310 permanent 1 \
VENDOR_STRING=PE=EE:LT=CP DUP_GROUP=H ISSUER="CO=Sybase, \
Inc.:AS=A:MP...
NOTICE...
Quality" SN=11327...
80B5 72...
AFAA 09EC 7F6...
OC32 8078"
```

Click the *Download* button. Select either *Download* or *Download all* option

The *Download* option will include only the selected license key.

The *Download all* option will include all license keys for the specified license host in a single file.

Generating SySAM 2.0 License Keys – *Unreserved License Model*

1- Installations 2- Systems 3- Details

> Installation 20984431 ([How to request keys](#)) 🔗 Licenses ☆


> System ASE

Show Filter Bar Filters **Go**

Entitlements 📄 Expand All 📄 Collapse All

Order Number:	11327506, Line Item 120
Item Description:	7011267 SAP Sybase ASE Runtime Edition
Total Number of Licenses:	Unlimited Licenses
License Type:	CPU License (CP)

Identify the order line you wish to generate your license key for and click *Generate*

 **Generate**

Generating SySAM 2.0 License Keys – *Unserviced License Model*

1- Installations 2- Systems 3- Details

> Installation 20984431 ([How to request keys](#)) Licenses ☆

> System ASE ☆

Your license entitlements are listed below. To generate a new license key, click the Generate button on the appropriate license entitlement.

You may also maintain your previously generated license keys by clicking the View License button, then clicking the Download button, Update button, or Check in button as appropriate.

Note: if no license keys have been generated from a license entitlement line, the View License button will not be visible.

Show Filter Bar Filters Go

Entitlements Expand All Collapse All

Generate License for SAP Adaptive Server Enterprise 16.0

Step 1: License Model

A license model refers to how you set up your license files to be accessed by your licensed program(s).

- License files can reside on a central, networked license server in a **Served License** model or
- can reside on the machine that is running the licensed program in an **Un-served License** model ([more information](#)) . As a prerequisite, you need to know the Host ID of the particular machine in order to obtain the license key.

Only one license model can be generated at a time. If you want to generate licenses for more than one model, complete this process and repeat for the next license model.

License Model*: Served License Unserviced License

Insure *Unserviced License* is selected and Click Next

Next Cancel

Generating SySAM 2.0 License Keys – *Unreserved License Model*

The screenshot shows the SAP SySAM 2.0 interface with a modal dialog box open. The dialog is titled "Generate License for SAP Adaptive Server Enterprise 16.0". It displays "Previous Selections" with a table:

Step	Selection
License Model	Unreserved License

Below this, it shows "Step 2: Number of Machines to License". The text asks: "How many Host Machines are you generating licenses for? Licenses available: 1". A note states: "You can create licenses for a maximum of 10 machines at a time. If you need to generate licenses for more machines, enter the information for the first 10 machines on the next screen, generate the licenses, and repeat this process as needed." A text input field labeled "Number of Machines:" contains the value "1". A yellow callout box points to this field with the text: "Specify the number of machines you want to license and click Next". At the bottom of the dialog are "Back", "Next", and "Cancel" buttons. The "Next" button is highlighted with a red box. In the background, the main interface shows navigation tabs (1- Installations, 2- Systems, 3- Details), a breadcrumb "Installation 20984431 (How to request keys)", and a "System ASE" entry. A "Generate" button is visible on the right side of the background interface.

Generating SySAM 2.0 License Keys – Unserved License Model

1- Installations 2- Systems 3- Details

> Installation 20984431 ([How to request keys](#)) Licenses ☆

> System ASE ☆

Your license entitlements are listed below. To generate a new license key, click the Generate button on the appropriate license entitlement.

You may also maintain your previously generated license keys by clicking the View License button, then clicking the Download button, Update button, or Check in button as appropriate.

Note: if no license keys have been generated from a license entitlement line, the View License button will not be visible.

Show Filter Bar Filters **Go**

Entitlements

Total

Generate License for SAP Adaptive Server Enterprise 16.0

Previous Selections

Step	Selection
License Model	Unserved License
License Model	Quantity = 1

Step 3: Host Machines

Licenses available: 1
[What is my Host ID?](#)
[What is Number of Licenses?](#)

Host ID*:

Host Name*:

Number of Licenses*:

Generate

Specify the host ID information and Click Generate

Back **Generate** Cancel

Generating SySAM 2.0 License Keys – *Unreserved License Model*

Entitlements

[Expand All](#)
[Collapse All](#)

Order Number: 11327506, Line Item 120

Item Description: 7011267 SAP Sybase ASE Runtime Edition

Total Number of Licenses: Unlimited Licenses

License Type: CPU License (CP)

Generate
Hide License View

Unreserved Licenses

System: ASE (Productive System)	System No.: 850545732
License for Quantity: 1	Expiration Date: Permanent
Server Host ID: 11111111 (Test)	
Generated By: [Redacted], 15:48 CET	

Check In
Download

Download
Download All

```

# Sybase Software Asset Management License File. CP License for SAP Sybase ASE
# Runtime Edition
PACKAGE SAP_ASE_RT SYBASE COMPONENTS="ASE_CORE ASE_ASM ASE_DIRS \
ASE_PRIVACY ASE_ENCRYPTION ASE_RLAC ASE_INCR ASE_RDDDB ASE_HA \
ASE_PAN \
ASE_ANALYZER \
ASE_MEMSCALE ASE \
ASE_HVAR_ASE \
REP_DATA ASE \
ISSUED=19-jan-2021 \
SIGN2="1B27 \
1BBC 1FEB A705 B \
73FF 8484 FA30 D1C6 10F0 ABEF EF41 171B D16F 4E87 9960 420B \
DDB5 1E25 CC1D DA4E 41EF 3C72 48C6"
# License for 11111111 Test
INCREMENT SAP_ASE_RT SYBASE 2021.12310 permanent uncounted \
VENDOR_STRING=PE=EE:LT=CP HOSTID=11111111 ISSUER="CO=Sybase, \
Inc.;AS=A;MP=2604 CP=1;EGO=" ISSUED=19-jan-2021 NOTICE="SAP \
Test Account \
SN=11327506-120-W \
H8BD 9F72 77CC 5090 \
A96D 0B3A \
A606 C430 39A7 \
EPEC 4744 3BF6 836F E413 \
DD7A ADF0 \
8184"
        
```

Click the *Download* button. Select either *Download* or *Download all* option

The *Download* option will include only the selected license key.

The *Download all* option will include all license keys for the specified license host in a single file.

Generating Afaria License Keys

1- Installations 2- Systems 3- Details

> Installation 20187822 (How to request keys) Licenses ☆

Show Filter Bar Filters **Go**

Systems (50) + ↕

SID	System Number	System Name	Product Version	System Type	
A30	312717183		SAP ERP 6.0	Productive System	>
A30	312716837	RoDC Test3	SAP ERP 6.0	Productive System	>
A43	850011539				>
A44	850011541				>
A45	850011543				>
A47	850011547				>
A50	850011815				>
AA1	800302321				>

Add New System

Product: ⊗

Version: ▼

System ID*: [Details in KBA](#)

System Name:

System Type*: ▼

Continue Cancel

Add a new system for SAP Afaria.
Click *Continue*

Generating Afaria License Keys

1- Installations 2- Systems 3- Details

> Installation 20187822 ([How to request keys](#)) Licenses ☆

> System AFA

SAP Afaria 7.0

A serial number is required in the license key to run your Afaria system. The serial number identifies an Afaria product instance/system.

- For new instances/systems a new serial number will be created along with the license key
- For existing instances/systems the license key will be created for the same serial number.

To check whether your license key needs to be updated if you already have a license key for Afaria 6.6, see SAP Note [1686864](#)

During setup of your system you will be prompted to enter the license key (see Afaria Installation Guide for more details). Also refer to the Afaria Installation Guide to learn how to apply an upgraded key.

Serial Number*:

Create System with product Afaria and Click *Generate*.

Generate Back Cancel

Generating Afaria License Keys

The screenshot shows the '3- Details' tab of the SAP Ariba interface. It displays a list of license keys for 'Installation 20187823' and 'System AFA'. A dialog box titled 'E-Mail License Key' is open, prompting the user to confirm their email address. The dialog contains the text: 'Please confirm your e-mail address and click the + sign. To add additional e-mail addresses, enter them and use the + sign again.' Below this text, there is an input field with the email address 'anonymouos@xmail.com' and a '+' button. At the bottom of the dialog, there are 'Send' and 'Cancel' buttons. The 'Send' button is highlighted with a red box.

1- Installations 2- Systems 3- Details

> Installation 20187823 ([How to request keys](#)) Licenses ☆

> System AFA ☆

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.

For system deletion, go to System Data application in your [Launchpad](#).

> Additional Data

License Keys (1) ✉

<input checked="" type="checkbox"/>	ID	Valid Until	File Name
<input checked="" type="checkbox"/>	Serial Number: 50445		

E-Mail License Key

Please confirm your e-mail address and click the + sign. To add additional e-mail addresses, enter them and use the + sign again.

Email: +

Send Cancel

If you select the email option, you will be prompted with your email address for confirmation. You may also add additional email addresses if needed.

Click *Send*.

Generating SQL Anywhere License Keys

Add New System

Product: SAP SQL Anywhere

Version: SAP SQL Anywhere 17.0

System ID*: SQA [Details in KBA](#)

System Name*: SQL ANYWHERE Demo

System Type*: Productive System

Operating System*: Microsoft Windows

1. SQL Anywhere license keys are product version specific. The product version chosen when creating your system will determine which product version license key is generated

2. Click *Continue*.

Generating SQL Anywhere License Keys

1- Installations 2- Systems 3- Details

> Installation 21007427 ([How to request keys](#)) Licenses ☆

> System SQA (SQL ANYWHERE Demo)

Entitlements Expand All Collapse All

Order Number: 12400535, Line Item 30
Item Description: 7011988 Sybase SQL Anywhere FIPS Security Option (Chip)
Total Number of Licenses: Unlimited Licenses
License Type: Not specified

Choose which order line you want to license and click *Generate*

Generate

1- Installations 2- Systems 3- Details

> Installation 21007427 ([How to request keys](#)) Licenses ☆

> System SQA (SQL ANYWHERE Demo)

Entitlements Expand All Collapse All

Order Number: 12400535, Line Item 30
Item Description: 7011988 Sybase SQL Anywhere FIPS Security Option (Chip)
Total Number of Licenses: Unlimited Licenses
License Type: Not specified

Hide License View

Generated License

License Key: 03001

Generated By: 16:59 CET

Copy your license key to use during product installation.

Add License Keys to an Existing System

1- Installations 2- Systems 3- Details

> Installation 20984431 ([How to request keys](#))

Licenses ☆

Show Filter Bar Filters **Go**

Systems (8)

+ ↑↓

SID	System Number	System Name	Product Version	System Type	
AAA	800064267	AAA	SAP Adaptive Server Enterprise 16.1	Productive System	>
AC2	850244872	Demo	SAP NetWeaver 7.4	Development system	>
			SAP Adaptive Server Enterprise 12.5	Productive System	>
			SAP Adaptive Server Enterprise 16.0	Development system	>
ASE	850545732		SAP Adaptive Server Enterprise 16.0	Productive System	>
ASP	850321148		SAP Adaptive Server Enterprise 16.0	Productive System	>
SH1	800199754	test	SAP Adaptive Server Enterprise 16.0	Development system	>
SP4	850485040		SAP Adaptive Server Enterprise 16.0	Development system	>

Select the system you wish to edit or to add license keys

ASE 850545732 SAP Adaptive Server Enterprise 16.0 Productive System >

Add License Keys to an Existing System

1- Installations 2- Systems 3- Details

> Installation 20984431 ([How to request keys](#)) Licenses ☆

> System ASE ☆

Your license keys are listed below. You may download your previously generated license keys or check in a license key no longer in use.

If you wish to generate additional license keys in this system, click the 'Edit' button below, check your system details and click the 'Continue' button. This will bring you to the screen where new license keys can be generated.

For system deletion, go to System Data application in your [Launchpad](#)

License Keys

System: ASE (Productive System)	System No.: 850545732	<input type="button" value="Check In"/>
License for Quantity: 1	Expiration Date: Permanent	<input type="button" value="Download"/>
Server Host ID: 11111111 (Test)		
Generated By: [redacted], 15:48 CET		

```
# Sybase Software Asset Management License File. CP License for SAP Sybase ASE
# Runtime Edition
PACKAGE SAP_ASE_RT_SYBASE COMPONENTS=(ASE_COP ASE_ASM ASE_DIRS \
ASE_...
ASE_PARTITION ASE_RI... ASE_HA \
ASE_PAR... ANALYZER \
ASE_MEMSCALE... HVAR_ASE \
REP_Data... 18-Jan-2021 \
Srv... 1FEB A70b...
73FF 8484 FA8b 02C6 10F0 ABEF EF41 171B D16F 4E87 8960 420B \
DDB5 1E25 CC1D DA4E 41EF 3C72 48C6"
# License for 11111111 Test
INCREMENT SAP_ASE_RT_SYBASE 2021.12310 permanent uncounted \
VENDOR... FELT=CP HOSTID=11111111... CO=Sybase. \
INC... SAP \
Test Account=tr... quality \
SN=11327506... 9E72 77CC 5090 \
AGCC... 8BF2 \
A606 C430... EFEC 4744 3BF6 836F... DD7A ADF0 \
8184"
```

Add License Keys to an Existing System

Edit System Details

Product: [ⓧ](#)

Version: [▼](#)

System Number:

System ID*: [Details in KBA](#)

System Name:

System Type*: [▼](#)

Operating System*: [▼](#)

Infrastructure*: [▼](#) [Details in KBA](#)

[Click Continue.](#) [Continue](#) [Cancel](#)

Add License Keys to an Existing System

1- Installations 2- Systems 3- Details

> Installation 20984431 ([How to request keys](#))

Licenses ☆

> System ASE ☆

Your license entitlements are listed below. To generate a new license key, click the Generate button on the appropriate license entitlement.

You may also maintain your previously generated license keys by clicking the View License button, then clicking the Download button, Update button, or Check in button as appropriate.

Note: if no license keys have been generated from a license entitlement line, the View License button will not be visible.

Show Filter Bar Filters **Go**

Entitlements

Expand All Collapse All

Order Number: 11476943, Line Item: 110 Item Description: 7017614 SAP ASE Enterprise Edition (Core) Total Number of Licenses: 32 (28 Available) License Type: CPU License (CP)	Generate
Order Number: 11476943, Line Item: 120 Item Description: 7011267 SAP Sybase ASE Runtime Edition Total Number of Licenses: Unlimited Licenses License Type: CPU License (CP)	Generate View License

Identify the order line you wish to license and click **Generate**. Continue with the license key generation process as per previous sections of this document.

Sybase Entitlement Overview

The screenshot shows the Sybase Entitlement Overview page. At the top, there are navigation links for "Installation 21007427 (How to request keys)" and "System SQA (SQL ANYWHERE Demo)". Below this is the "Entitlements" section, which contains details for "Order Number: 12400535, Line Item 30" and "Item Description: 7011988 Sybase SQL Anywhere FIPS Security Option (Chip)". A pull-down menu is open over the "Licenses" icon, showing options: "Manage Sybase Licenses by Host", "Sybase Entitlement Overview", and "License Key Information". A "Hide License View" button is also visible.

Click the *Licenses* icon and select *Sybase Entitlement Overview* from the pull-down.

The screenshot shows the Sybase Entitlement Overview page with the "Entitlements" section expanded. The "Expand All" button is highlighted. The expanded view shows two entitlements, each with a "View License" button highlighted. The first entitlement is for "Order Number: 12400535, Line Item 30" and "Item Description: 7011988 Sybase SQL Anywhere FIPS Security Option (Chip)". The second entitlement is for "Order Number: 12400535, Line Item 30" and "Item Description: 7011987 Sybase SQL Anywhere FIPS Security Option (User)".

The *Sybase Entitlement Overview* displays all Sybase product order line entitlements for an installation. This enables you to view and maintain any Sybase license keys in one location, independent of the systems the key were generated in.

To see all license keys, click *Expand All*.

To see all license keys on a given order line entitlement, click *View License*.

Sybase Entitlement Overview – Upgrade SySAM 2.0 License Keys

Order Number: 11476943, Line Item: 140
Item Description: 7017614 SAP ASE Enterprise Edition (Core)
Total Number of Licenses: Unlimited
License Type: Standby CPU License (SF)

[Hide License View](#)

Unserviced Licenses

System: SF1 (Backup system)
License for quantity: 1
Server Host ID: 44444444 (Unserviced)
Generated by: Bob Mullen on 16.09.2015, 19:10 CET

System No.: 800001571
Expiration date: Permanent

[Upgrade](#) [Check In](#)
[View](#) [Download](#)

There are times when a license key will need to be upgraded, such as after a support renewal and you want to move to a newer version of your licensed product.
If an upgrade is available for a license, an *Upgrade* button will become available.
Click the *Upgrade* button.

Order Number: 11476943, Line Item: 150
Item Description: 7011779 SAP Sybase IQ Enterprise Edition
Total Number of Licenses: 100 (65 Available)
License Type: CPU License (CP)

[Hide License View](#)

Served Licenses

System: IQQ (Production system)
License for quantity: 1
Server Host ID: 1234123 (hapkido_1)
Generated by: Bob Mullen on 16.09.2015, 00:58 CET

System No.: 800001571
Expiration date: Permanent

[Check In](#)
[View](#) [Download](#)

Sybase Entitlement Overview – Upgrade SySAM 2.0 License Keys

The screenshot displays the Sybase Entitlement Overview interface. It is divided into two main sections: 'Unserviced Licenses' and 'Served Licenses'. A confirmation dialog box is overlaid on the 'Served Licenses' section.

Unserviced Licenses:

- Order Number: 11476943, Line Item: 140
- Item Description: 7017614 SAP ASE Enterprise Edition (Core)
- Total Number of Licenses: Unlimited
- License Type: Standby CPU License (SF)
- System: SF1 (Backup system)
- System No.: 800001696
- License for quantity: 1
- Expiration date: Permanent
- Server Host ID: 44444444 (Unserviced)
- Generated by: Bob Mullen on 16.09.2015, 19:10 CET

Served Licenses:

- Order Number: 11476943, Line Item: 150
- Item Description: 7011779 SAP Sybase IQ
- Total Number of Licenses: 100 (65 Available)
- License Type: CPU License (CP)
- System: IQQ (Production system)
- System No.: 800001571
- License for quantity: 1
- Expiration date: Permanent

Confirmation Dialog:

? Confirmation

Are you sure you want to update your license?

Click Yes to upgrade your license key.

Yes **No**

Sybase Entitlement Overview – Upgrade SySAM 2.0 License Keys

The screenshot displays the Sybase Entitlement Overview interface. A pop-up window titled "License Key" is open, showing the following text:

```
# Sybase Software Asset Management License File. SF License for SAP ASE
# Enterprise Edition (Core)
PACKAGE ASE_EE SYBASE COMPONENTS=ASE_CORE OPTIONS=SUITE SUPERSEDE \
ISSUED=16-sep-2015 SIGN2="194B FF0E 09D8 3267 6F30 A497 06DA \
4B63 DE6B DB53 DB2F OFAB 2BD6 A431 550A 12B5 B23A 25D5 AA93 \
32F8 EBE4 73F8 DESE BB2C 74EA 9CF6 A9F9 0F4F 821A 33DA"
# License for 44444444 Unreserved
PACKAGE ASE_EE SYBASE COMPONENTS=ASE_CORE OPTIONS=SUITE SUPERSEDE \
ISSUED=06-oct-2015 SIGN2="0056 A735 75C9 3FBD C50A F96A A1AE \
F031 6715 66D3 39F1 889A E792 328F 49F0 03EF EA8A 402F 5003 \
4B7E 46BE E230 449E 56D6 868C 139B 714E 94C7 CBA8 A7C6"
INCREMENT ASE_EE SYBASE 2015.06230 permanent uncounted \
VENDOR_STRING=PE=EE;LT=SF HOSTID=44444444 ISSUER="CO=Sybase, \
Inc.;AS=S;MP=0;CP=1;EGO=" ISSUED=16-sep-2015 NOTICE="OEM GLAS \
Account - Dummy" SN=11476943-140-W7T203 TS_OK SIGN2="149F 3B24 \
B78C 6287 0042 977B 5C7D A22C 010B 06DF A204 00AD B6E7 90A7 \
F560 0EBB F4E8 5BBD 6640 C64D 45F8 413D 2B23 4DB5 72E7 9EEA \
566A 8D2A E5C3 2DB5"
# License for 44444444 Unreserved
UPGRADE ASE_EE SYBASE 2015.06230 2015.06231 permanent uncounted \
VENDOR_STRING=PE=EE;LT=SF HOSTID=44444444 ISSUER="CO=Sybase, \
Inc.;AS=S;MP=0;CP=1;EGO=" ISSUED=06-oct-2015 NOTICE="OEM GLAS \
Account - Dummy" SN=11476943-140-W7T311 TS_OK SIGN2="1756 DB9F \
FC1A 9266 1726 9DB6 D47C BA42 E63B A06E B1DE CB8D 6DDC D652 \
7A5B 132B EC9B 82F0 7A35 F7AA 3769 7319 E3C1 462E 8F41 3F8B \
542F CF6C 16ED E412"
```

The pop-up window has a "Close" button at the bottom right. In the background, the "Unreserved Licenses" section is visible, showing details for a system named "SF1 (Backup system)". A "Download" button is highlighted with a red box. A yellow callout box with a red border contains the following instructions:

Your upgraded license key is displayed.

1. Click *Close* to close the pop-up window.
2. Click *Download* to obtain your upgraded license key.

Sybase Entitlement Overview – Check In SySAM 2.0 License Keys

Order Number: 11476943, Line Item: 190
Item Description: 7017614 SAP ASE Enterprise Edition (Core)
Total Number of Licenses: 100 (97 Available)
License Type: CPU License (CP)

[Hide License View](#)

Served Licenses

System: LT7 (Production system)
License for quantity: 1
Server Host ID: 12345678 (luamt-temp)
Generated by: Luam Tesfalidet on 28.09.2015, 11:25 CET

System: AC2 (Production system) System No.: 800001665
License for quantity: 1 Expiration date: 31.10.2015

System: AC2 (Production system) System No.: 800001665
License for quantity: 1 Expiration date: Permanent

Server Host ID: 11111111 (PeanutButter)
Generated by: Bob Mullen on 29.09.2015, 22:46 CET

Server Host ID: 11111111 (PeanutButter)
Generated by: Bob Mullen on 01.10.2015, 19:27 CET

License Check-in
License Check-in allows you to return a previously generated license to the available pool. This feature can be used if you need to move your license to a new host machine, or if your license was generated in error.
Note there are currently 97 licenses available, and clicking the Check-in button will return a 1 core license generated for host id 12345678.

[Check In](#) [View](#) [Download](#)

[Check In](#) [View](#) [Download](#)

[Check In](#) [View](#) [Download](#)

Sybase Entitlement Overview – Check In SySAM 2.0 License Keys

Order Number: 11476943, Line Item: 190
Item Description: 7017614 SAP ASE Enterprise Edition (Core)
Total Number of Licenses: 100 (97 Available)
License Type: CPU License (CP) Hide License View

Served Licenses

System: LT7 (Production system) License for quantity: 1 Server Host ID: 12345678 (luamt-temp) Generated by: Luam Tesfalidet on 28.09.2015, 11:25 CET	System No.: 800001580 Expiration date: 31.10.2015	Check In View Download
System: AC2 (Production system) License for quantity: 1 Server Host ID: 11111111 (PeanutButter) Generated by: Bob Mullen on 29.09.2015, 22:46 CET	System No.: 800001665	Check In View Download
System: AC2 (Production system) License for quantity: 1 Server Host ID: 11111111 (PeanutButter) Generated by: Bob Mullen on 01.10.2015, 19:27 CET		Check In View Download

Confirmation

Are you sure you want to check in your license?

Click Yes to check in your license key. Yes No

Sybase Entitlement Overview – Check In SySAM 2.0 License Keys

Order Number: 11476943, Line Item: 190
Item Description: 7017614 SAP ASE Enterprise Edition (Core)
Total Number of Licenses: 100 (98 Available)
License Type: CPU License (CP)

License for host id 12345678 has been successfully checked in and available quantity has been updated to 98 (97+1). The license may now be re-generated for deployment to a new host.

[Hide License View](#)

Served Licenses

System: AC2 (Production system)	System No.: 800001665	Check In
License for quantity: 1	Expiration date: 31.10.2015	View Download
Server Host ID: 11111111 (PeanutButter)		
Generated by: Bob Mullen on 29.09.2015, 22:46 CET		
System: AC2 (Production system)	System No.: 800001665	Check In
License for quantity: 1	Expiration date: Permanent	View Download
Server Host ID: 11111111 (PeanutButter)		
Generated by: Bob Mullen on 01.10.2015, 19:27 CET		

Manage License Keys by License Host

1- Installations 2- Systems 3- Details

> Installation 21007427 ([How to request keys](#)) Licenses ☆

Select Licenses -> Manage Sybase Lienses by Host

- Manage Sybase Licenses by Host
- Sybase Entitlement Overview
- License Key Information

Systems (44)

SID	System Number	System Name	Product Version	System Type
A70	850346976	testchmielewki	SAP PowerDesigner 16.6	Productive System

Manage a license host

Select an existing host from the list. Then choose an option to view, download, or manage your generated licenses. Please note that this section applies only to SAP Sybase products with SySAM 2.0 license keys.

Place your cursor in the Select an existing host field and select the host you want to manage from the resulting list.

Select an existing host:

WIN-DHMEJGUMSNC 00-00-20-00-E0-07-27000-27010

000-0000-007

CARBON_DISK_SERIAL_NUM 0A00EF6D

Manage License Keys by License Host – Upgrade All

Manage a license host

Select an existing host from the list. Then choose an option to view, download, or manage your generated licenses. Please note that this section applies only to SAP Sybase products with SySAM 2.0 license keys.

Select an existing host: WIN-DMEAR...-27010

Upgrade All Upgrade all licenses on this host. Once you have upgraded, your licenses will reflect the latest product version or support date.

Rehost All Rehost allows you to move all licenses from your existing host to a new host.

Return All Return all licenses on this host to your available license pool for future redeployment.

View All View all licenses on this host.

Download All Download all licenses on this host.

Confirmation
Are you sure that you want to upgrade all licenses?
Click Yes Yes No

Manage a license host

Select an existing host from the list. Then choose an option to view, download, or manage your generated licenses. Please note that this section applies only to SAP Sybase products with SySAM 2.0 license keys.

Select an existing host: WIN-DMEAR...-27010

Upgrade All Upgrade all licenses on this host. Once you have upgraded, your licenses will reflect the latest product version or support date.

Rehost All Rehost allows you to move all licenses from your existing host to a new host.

Return All Return all licenses on this host to your available license pool for future redeployment.

View All View all licenses on this host.

Download All Download all licenses on this host.

Important Information
0/1 licenses have been upgraded.
Close

A pop-up message will indicate how many license keys were upgraded.
Click Close

Manage License Keys by License Host – Upgrade All

Manage a license host

Select an existing host from the list. Then choose an option to view, download, or manage your generated licenses. Please note that this section applies only to SAP Sybase products with SySAM 2.0 license keys.

Select an existing host:

- [Upgrade All](#) Upgrade all licenses on this host. Once you have upgraded, your licenses will reflect the latest product version or support date.
- [Rehost All](#) Rehost allows you to move all licenses from your existing host to a new host.
- [Return All](#) Return all licenses on this host to your available license pool for future redeployment.
- [View All](#) View all licenses on this host.
- [Download All](#) Download all licenses on this host.

Click *Download all* to take possession of you upgraded license keys for the selected license host.