

How To Update Non-Appeon PB Licenses

This explains how to update the license file for all versions of PowerBuilder that were released prior to Appeon's PB 2017. *Note that this is NOT a means to purchase new licenses for those versions of PowerBuilder.*

1. Prerequisites:

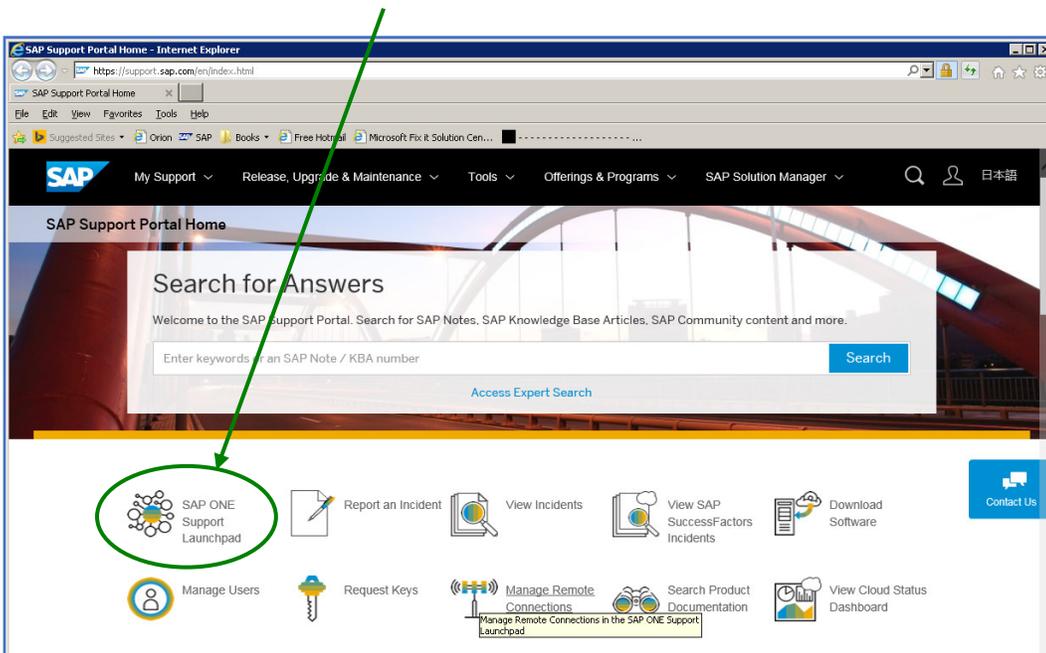
- a) You must already have valid PB licenses issued by SAP
- b) You must have a valid account for the SAP Support Portal
- c) You must have your personal **Customer ID**
- d) You must have your company's **Customer Number**

2. Logon to the SAP support portal:

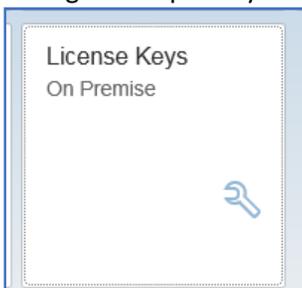
<https://support.sap.com/home.html>

3. Navigate to the "One Support Launchpad":

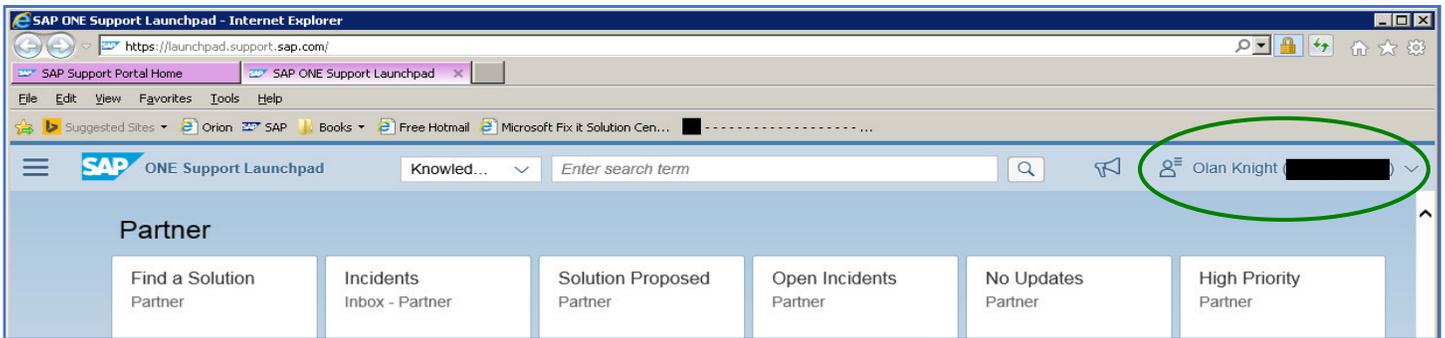
<https://launchpad.support.sap.com/>



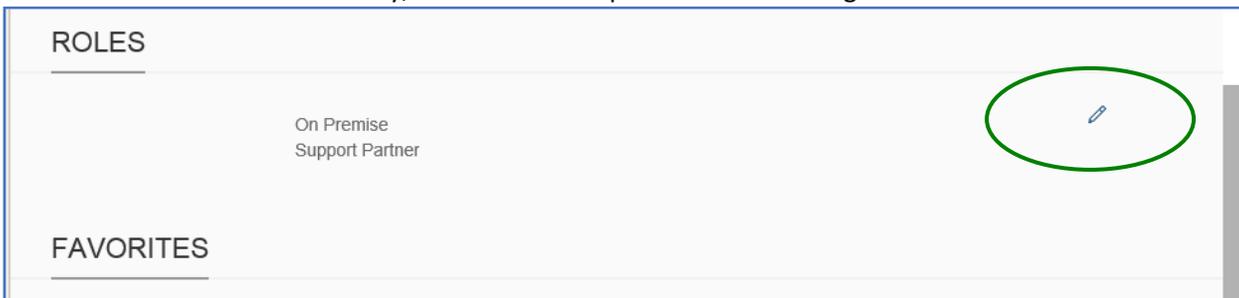
- a) Look at the set of tiles. If you do not have a tile labeled "License Keys", then you need to add it, assuming you have the rights to update your profile. Normally, only a Super Administrator can do that.



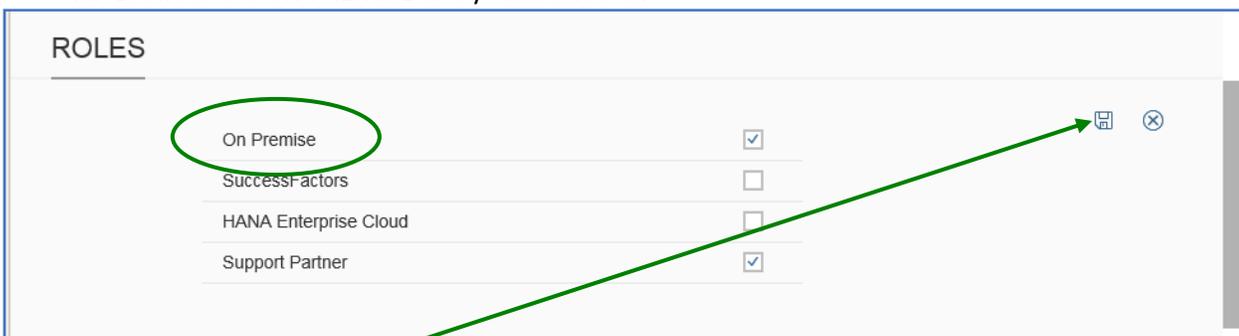
- i. Your user name is displayed on the upper right hand corner. Click the dropdown arrow and select USER PROFILE.



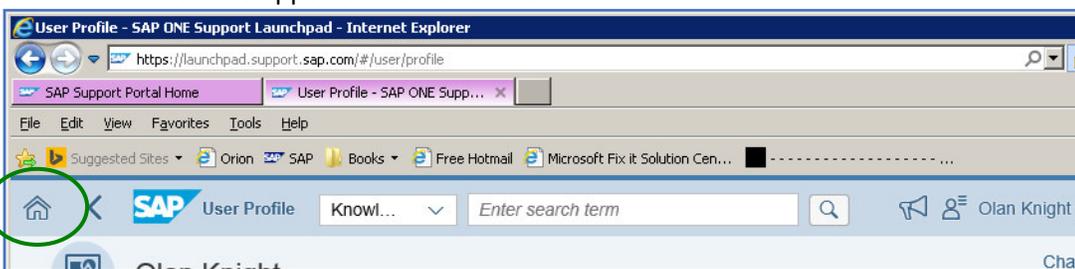
- ii. Look for the ROLES entry, and click on the pencil icon on the right hand side of the window.



- iii. Look for the ON PREMISE entry and select it.

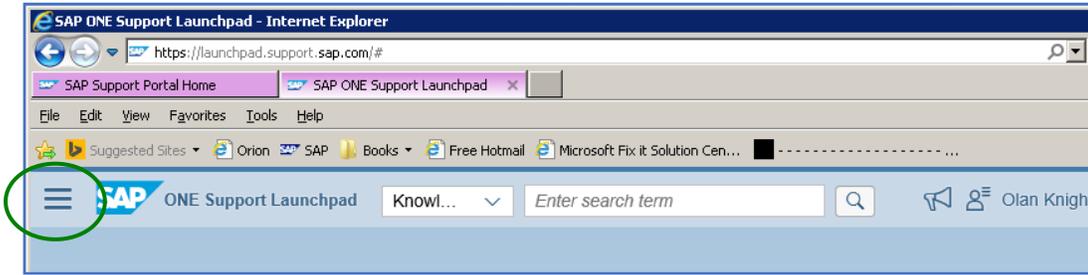


- iv. Click on the [SAVE icon](#) on the right side of the window, then return to the HOME page by clicking on the HOME icon on the upper left corner of the window.

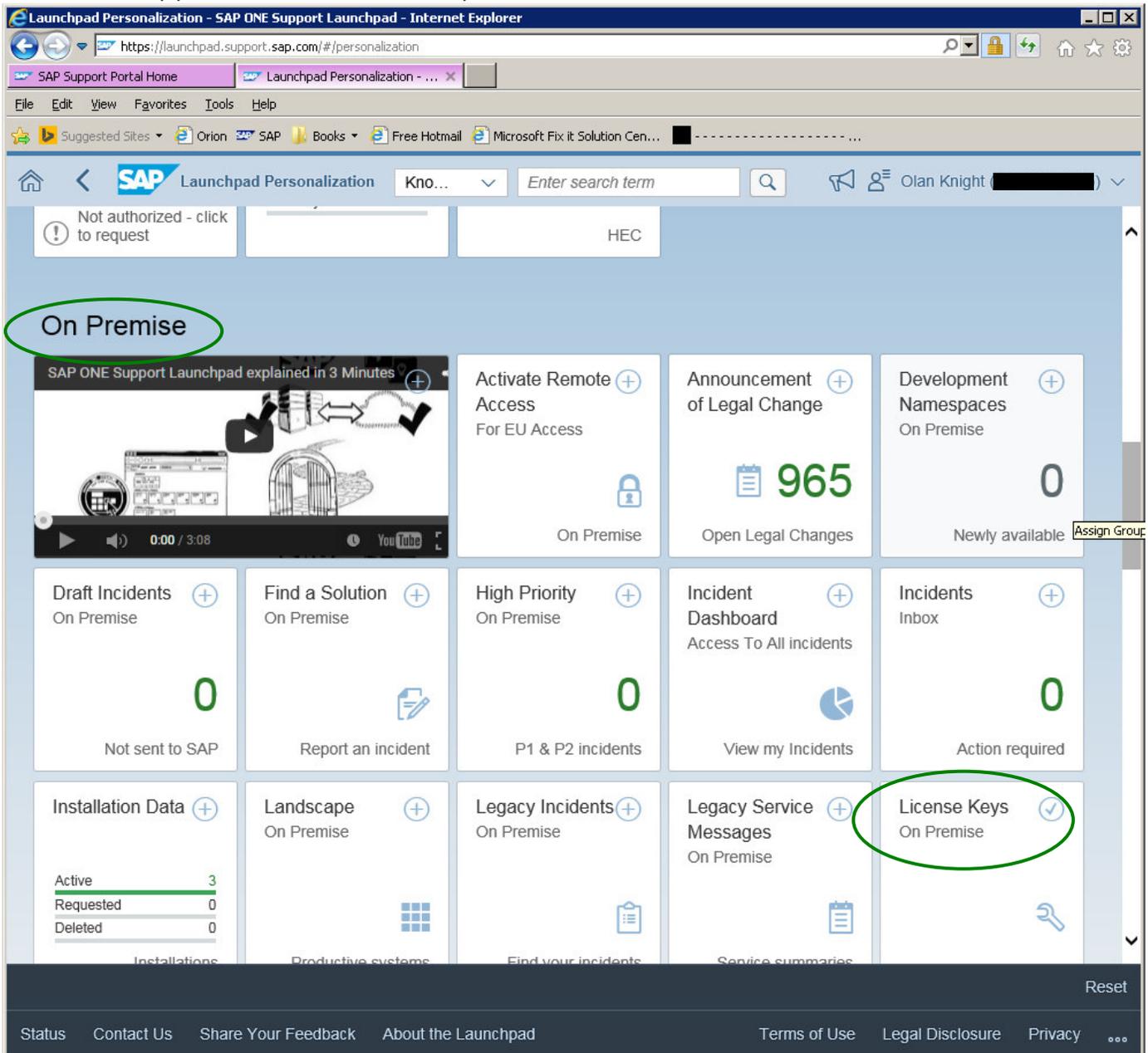


- v. Refresh the home page and see if the LICENSE KEYS tile is displayed.

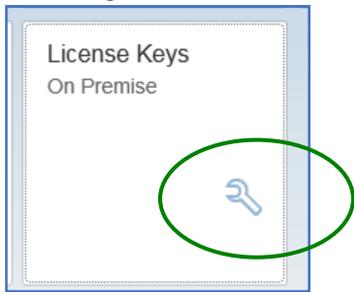
vi. If that tile is NOT displayed, then click on the three lines to the left of the SAP logo on the upper right corner of the [One Support Launchpad](#) page to get to the PERSONALIZATION page.



vii. This page displays every tile to which you have rights, grouped by SAP's own selection. Scroll down to the ON PREMISE group and find the LICENSE KEYS tile. If it's not there then you do not have the rights you need to modify your PowerBuilder license keys.



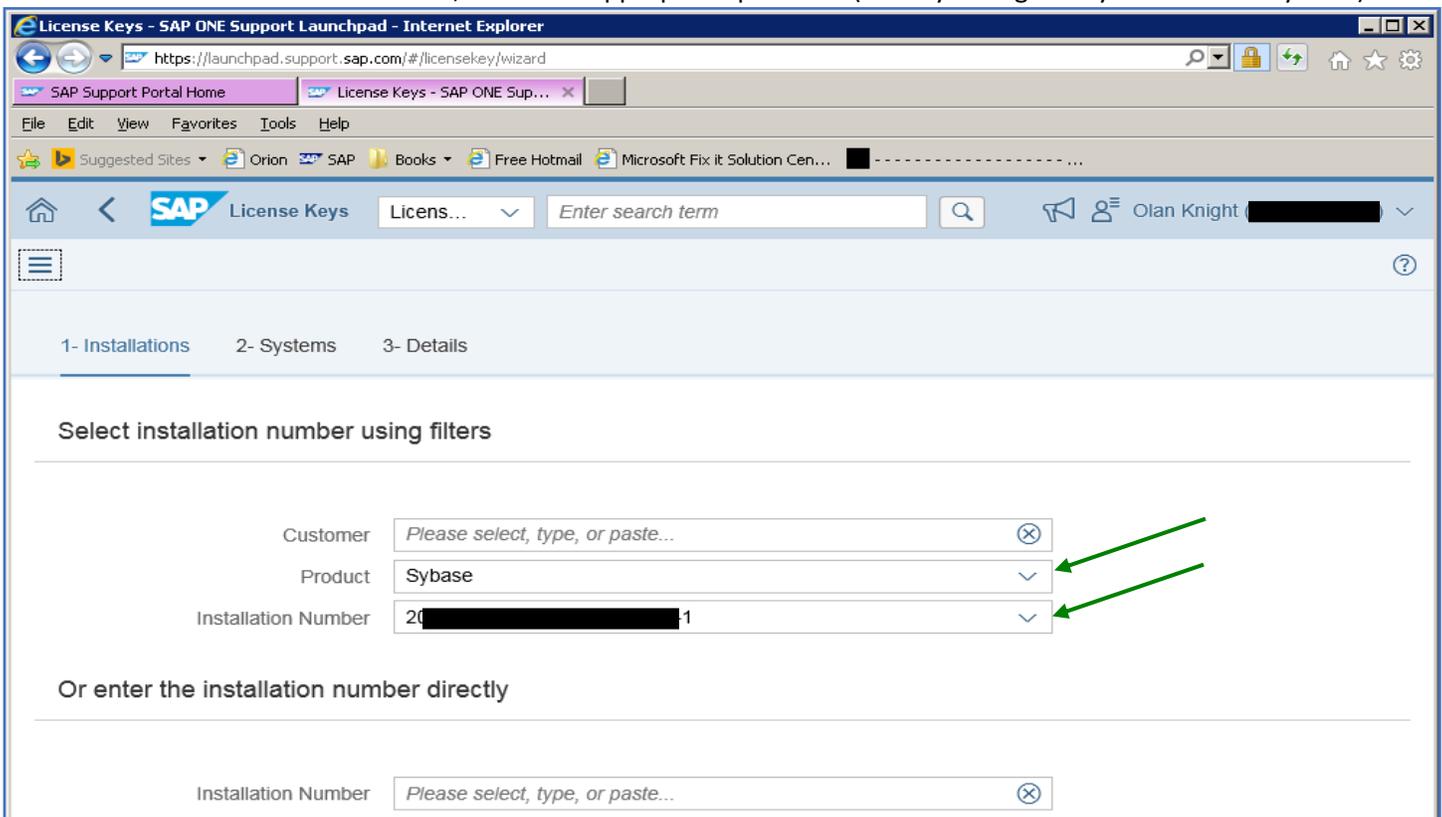
Assuming the LICENSE KEYS tile is displayed, click on the wrench in the lower right corner of the tile.



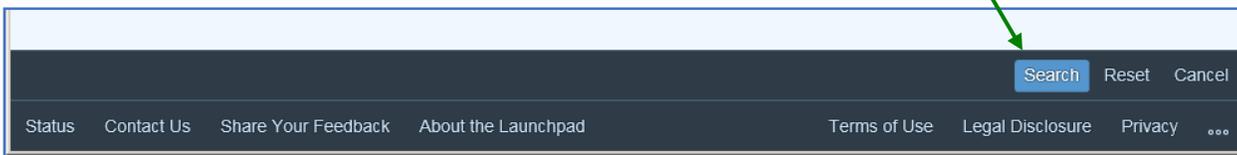
You will see a popup window with the various SAP groups available for your home page listed. Select **PARTNER**, then click SAVE.

viii. Click on the **HOME** icon in the upper left corner of the window to return to your Home page. The LICENSE KEYS tiles should now be displayed in the PARTNERS group.

- b) Click on the LICENSE KEYS tile. That will open up the LICENSE KEYS window.
- Use the dropdown arrows on each row to select the appropriate values.
 - For PRODUCT, choose "SYBASE".
 - For INSTALLATION NUMBER, select the appropriate purchase (Note: you might only have one entry here).



If you are NOT automatically redirected to the SYSTEMS page, click the blue **SEARCH** button on the bottom right side of the window.



c) The SYSTEMS page lists the various Sybase installations/purchases your company has made to which you have access.

1- Installations 2- Systems 3- Details

> Installation [REDACTED] Licenses

Systems (2) + Filter Sort

SID	System Number	System Name	Product Version	System Type	
PB6	[REDACTED]	SAP PowerBuilder v12.6	SAP PowerBuilder 12.6	Productive System	>
PBE	[REDACTED]	Migrated system from SPDC	PowerBuilder 12.5	Productive System	>

Add System

d) Click the row of the installation for which you want to modify your licenses. This takes you to the DETAILS page: Each currently assigned license will be displayed.
This is the page on which licenses can be checked IN.

1- Installations 2- Systems 3- Details

> Installation [REDACTED] Licenses

> System PB6 (SAP PowerBuilder v12.6) ☆

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.

License Keys

System	PB6 (Productive System)	System No.	[REDACTED]	Upgrade	Check In
License for Qua...	1	Expiration Date	Permanent		Download
Server Host ID	[REDACTED]				
Generated By	Olan Knight on 14.07.2015, 19:15				

```
# Sybase Software Asset Management License File. SS License for PowerBuilder
# Enterprise
PACKAGE [REDACTED] EAS" \
  C [REDACTED] B0 \
  2 [REDACTED] BB \
  C [REDACTED] B8 \
  2 [REDACTED]
# Licen
INCREME
```

Edit Back

Status Contact Us Share Your Feedback About the Launchpad Terms of Use Legal Disclosure Privacy

To generate a NEW license, click the blue EDIT button on the bottom right side of the page. This will start up a wizard to generate new license files.

e) Complete each page of the wizard as appropriate.

- Just click CONTINUE on the first page.

Dialog box titled "Edit System Details" with the following fields:

- Product: SAP PowerBuilder
- Version: SAP PowerBuilder 12.6
- System Number: [Redacted]
- System ID*: PB6
- System Name: SAP PowerBuilder v12.6
- System Type*: Productive System
- Operating System: Microsoft Windows

Buttons: Continue, Cancel

- Specify either a Primary or an alternate license file is to be created.

Dialog box titled "Generate License for SAP PowerBuilder 12.6" - Step 1: License Usage

Choose whether you want to generate a Primary Use License or an Alternative Use License. Alternative Use Licenses are subject to the terms and definitions contained in the Product Specific License Terms for this product. See <http://www.sybase.com/pslt> for more information.

License Usage*: Primary Use Alternative Use

Buttons: Next, Cancel

- Indicate if this is to be a served license (remote access, runs with SYSAM) or an unserved license.

Dialog box titled "Generate License for SAP PowerBuilder 12.6" - Step 2: License Model

Previous Selections

Step	Selection
License Usage Selection	Primary Use License

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 Unserved License

Buttons: Back, Next, Cancel

- Specify how many license files are being created.

Generate License for SAP PowerBuilder 12.6

Previous Selections

Step	Selection
License Usage Selection	Primary Use License
License Model	Served License

Step 3: License Quantity

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

Quantity*: Licenses available: 2

- Determine the information required for each license file to be generated.

Host Name The “computer name” from the *basic information* about your PC/VM

Server Host ID This is the “Physical Address” in the first block of data returned from an Ipconfig /all command. Example: 00-69-87-44-50-22

```

Administrator: Cmd
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Windows\System32>cd c:/
c:\>ipconfig /all

Windows IP Configuration

Host Name . . . . . : MSDN
Primary Dns Suffix . . . . . : CSGI
Node Type . . . . . : Hybrid
IP Routing Enabled. . . . . : No
WINS Proxy Enabled. . . . . : No
DNS Suffix Search List. . . . . : csge
                                int
                                at
                                .com
                                csge
                                csge
                                csge
                                pro
                                dev
                                int
                                csge

Ethernet adapter Local Area Connection 3:

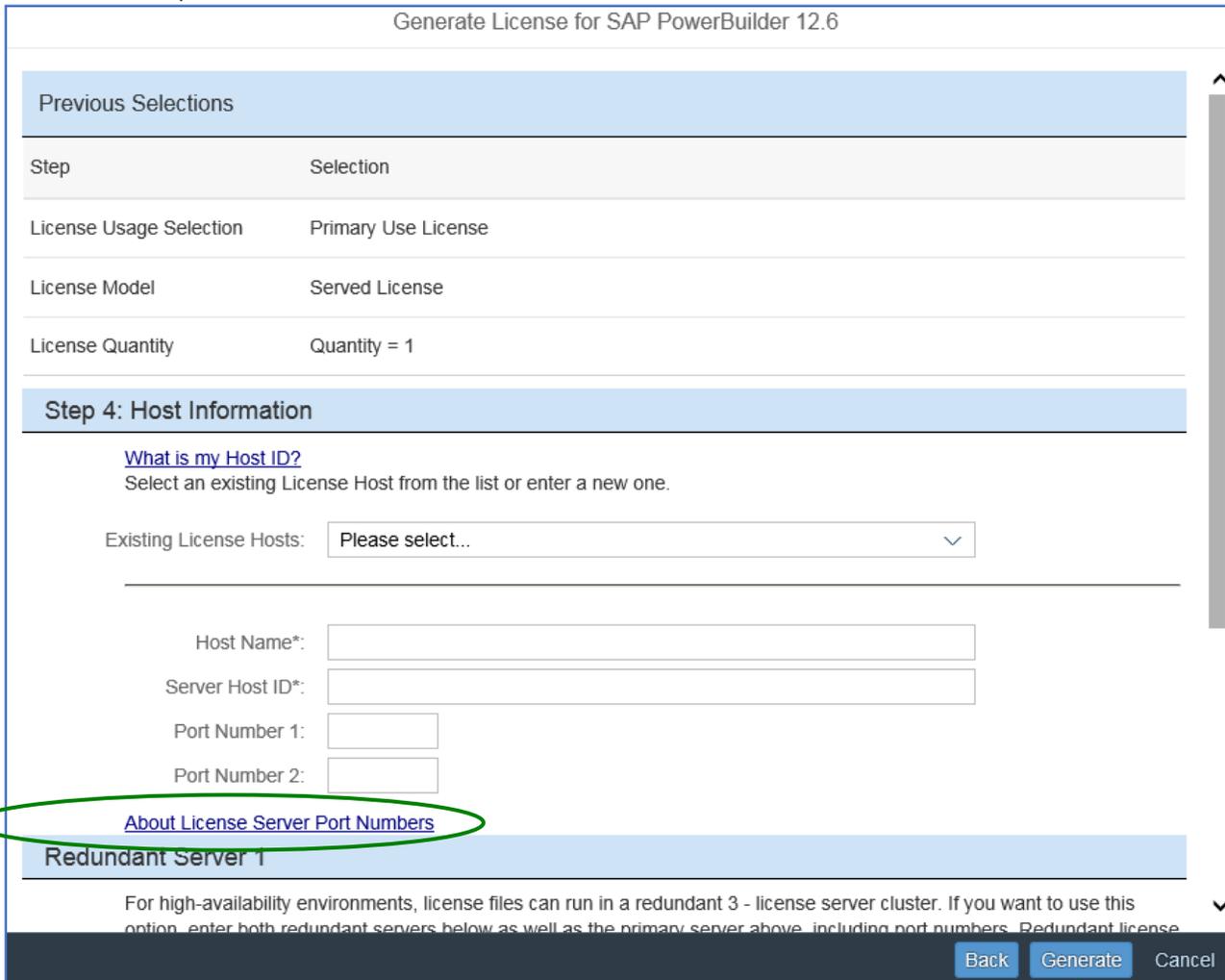
Connection-specific DNS Suffix . :
Description . . . . . : vmxnet3
Physical Address. . . . . : 00-50-56-90-80-29
DHCP Enabled. . . . . : No
Autoconfiguration Enabled . . . . . : Yes
Link-local IPv6 Address . . . . . : fe80::... (preferred)
IPv4 Address. . . . . : 158.1...
Subnet Mask . . . . . : 255.2...
Default Gateway . . . . . : 158.1...
DHCPv6 Iaid . . . . . : 33556...
DHCPv6 Client DUID. . . . . : 00-01...-56-90-80-29
  
```



Port Number

Click on the [About License Server Port Numbers](#) link on this page for detailed Information on which port numbers can be used. Two port numbers must be specified. Personally, I use 3000, 3301, 3002 and so on.

- Add the required information for each license.



Step	Selection
License Usage Selection	Primary Use License
License Model	Served License
License Quantity	Quantity = 1

Step 4: 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

- f) Click the **GENERATE** button on the bottom right side of the page to create the license file(s). The next page will display the license file(s) just created. Click the **DOWNLOAD** button above each license file in order to download that license file.

Regarding SYSAM and your new License File

To access PowerBuilder remotely, a Standalone-Served license is required.

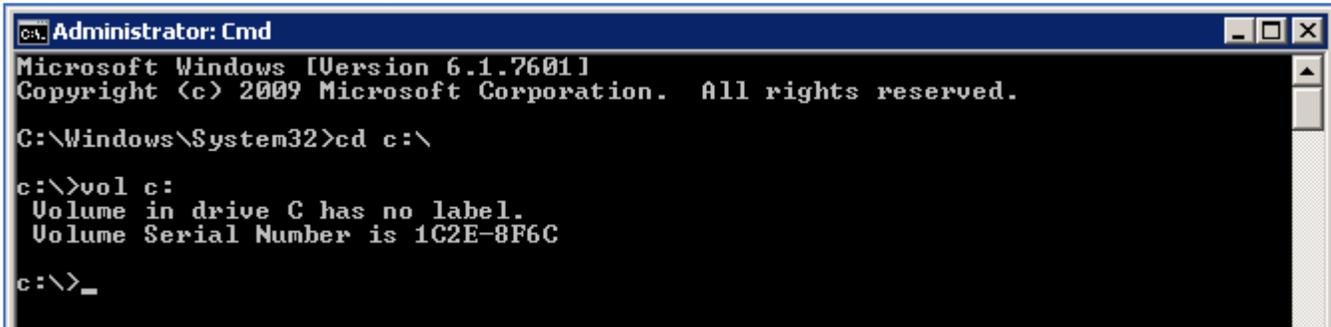
- 1) Install Sysam Server from the standalone SYSAM installer.zip.
This file is located in the Support folder of the PB GA installation zip file.
The file name for the PBv12.5 installer was “*Standalone SysAM installer.zip*”.
- 2) After the install, create a directory called “**licenses**” under the **SYSAM-2_0** directory.
- 3) SEE ABOVE SECTION: Generate a 'Served' license.
- 4) Save the license file into the **licenses** folder you just created.
- 5) Bring up **SYSAM-2_0\bin\lmttools.exe**. Under the **Config Services** tab, verify that 'Path to the license file' is the path to the **licenses** folder you just created.
- 6) Under the **Start/Stop/Reread** tab, stop and restart the SYSAM server.
Starting the server may be difficult. I had to STOP it, then RE-START it.
- 7) Then click on REREAD LICENSE FILE.
If you get an error, re-start the server then try again.
After the read is successful, do a FILE/EXIT. Since this is a service, it is already active, and it will start up automatically whenever the PC or VM is re-started.
- 8) Bring up PB locally (not thru remote desktop or terminal services) and select **Tools/Update License**.
Select **Standalone -Served** and give the machine name where the SYSAM server is running.
- 9) Select **Help/About**. The License Mode should say “Standalone Served License”.
If not, reboot your machine.

Running PowerBuilder v12.1 and 12.6 remotely in the same environment

I had an issue running both PBv12.1 and PBv12.6 at the same time. Both use SERVED licenses and were installed on the same C drive on my VM, which I access remotely.

The trick is to use the *Volume Serial Number* as the host id in the license files; i.e "DISK_SERIAL_NUM=1C2E8F6C" - rather than the *Physical Address* like "00-20-44-67-83-91".

To get the volume serial number, open a CMD PROMPT window and enter "vol c:".



```
Administrator: Cmd
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Windows\System32>cd c:\

c:\>vol c:
Volume in drive C has no label.
Volume Serial Number is 1C2E-8F6C

c:\>_
```

On this drive the Volume Serial Number is: "1C2E8F6C".

When entering the data into the HOST ID field (when generating a license file):

Enter the string "DISK_SERIAL_NUM=1C2E8F6C"

Notice that the dash was dropped from the volume serial number and we did prepend the volume serial number with "DISK_SERIAL_NUM=". No spaces are allowed.

1. Download the license file and save to `\SYSAM-2_0\licenses` directory. Remove previous `.lic` files if any.
2. On a remotely accessed VM, restart the SYSAM service.
Alternate licenses are always stand-alone and do not use SySAM.
3. Restart PowerBuilder.
4. **Tools > Update License > Standalone Seat – Served**, then continue with the pop-up wizard.
5. Give **the IP Address** of the license server where it is installed in the "Computer Name of the License Server" field.
6. Click Finish.
7. Restart PowerBuilder. Verify that the **Help/About PowerBuilder STATUS** is valid.