SAP PATCH ADMINISTRATION

Overview of Patches:

Patches are used to fix the bugs in the system. The transaction used for patch administration is SPAM. Patches are always applied in 000 client.

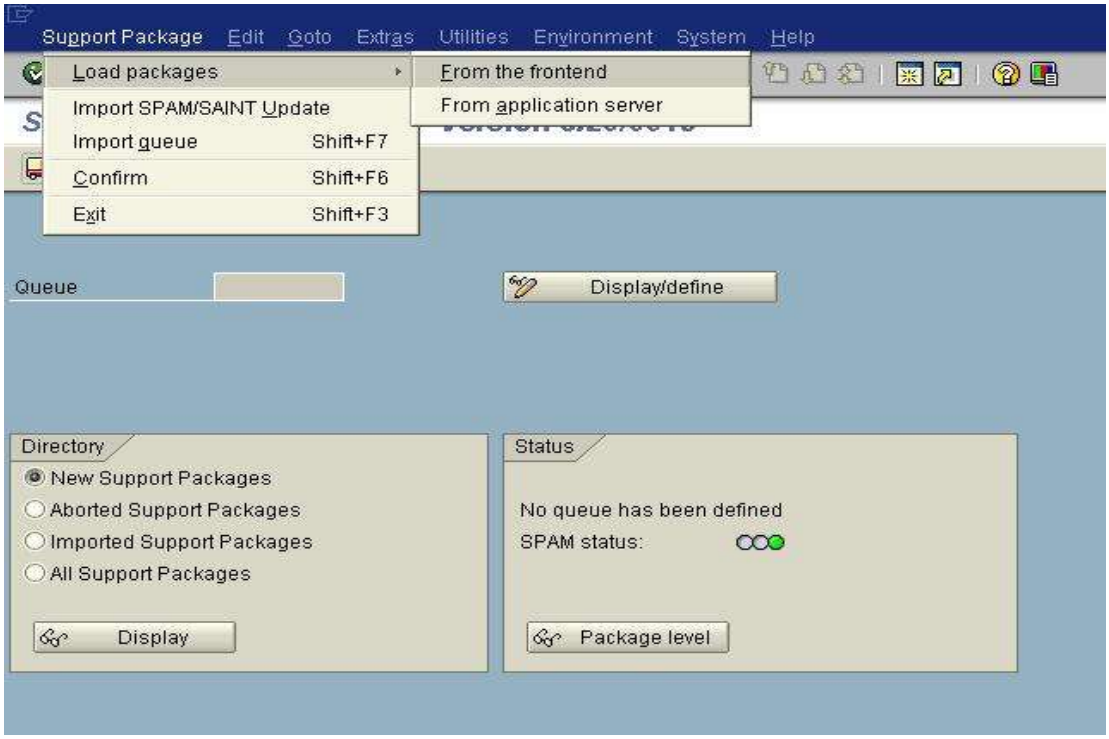
There are 4 different types of patches – ABAP (SAPKA620XXXX); BASIS – (SAPKB620XXXX); HR – (SAPKE470XXXX); & APPLICATIONS – (SAPKH470XXXX); These are also called as Support packs. They should be administered in the following sequence – BASIS (SAPKBXXXXXXX), ABAP (SAPKAXXXXXXX), APPLICATIONS (SAPKHXXXXXXX) & HR (SAPKEXXXXXXX).

All patches start with SAPK.

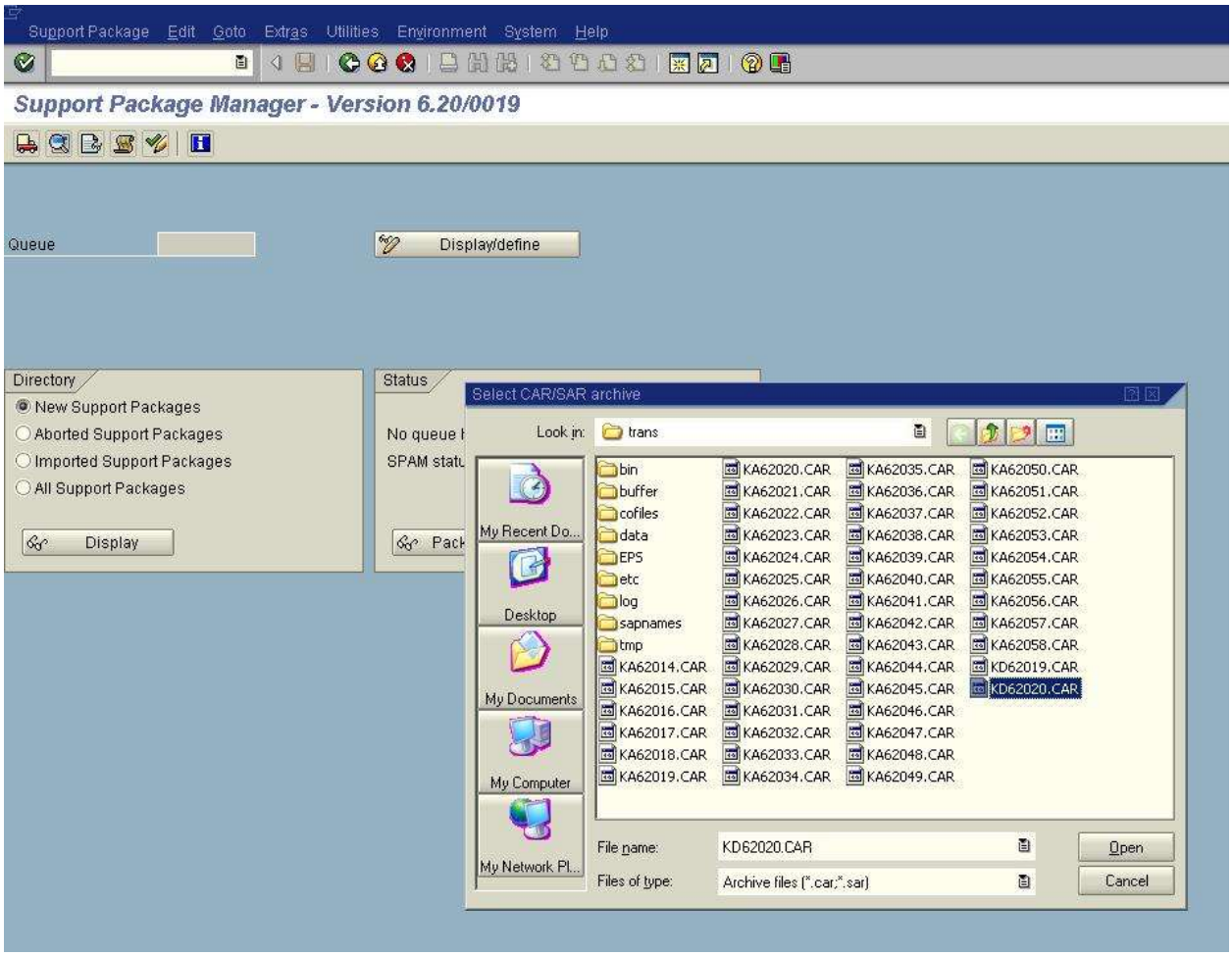
Patch levels should be the same in DEV, PRD & QAS.

SPAM is the tool which is used to apply the patches. It has its own version. You should always have the latest SPAM version.

To upgrade SPAM/SAINT follow the path Support Package > Import SPAM/SAINT update. Before that load the car file (KD620XX.car) by following the path Support Package >Load packages >From the Frontend. If the car file starts with KD then it is the SPAM update file.



Give the location of the file:



This will uncar the file automatically and creates the .ATT & .PAT files in the trans>eps>in directory.

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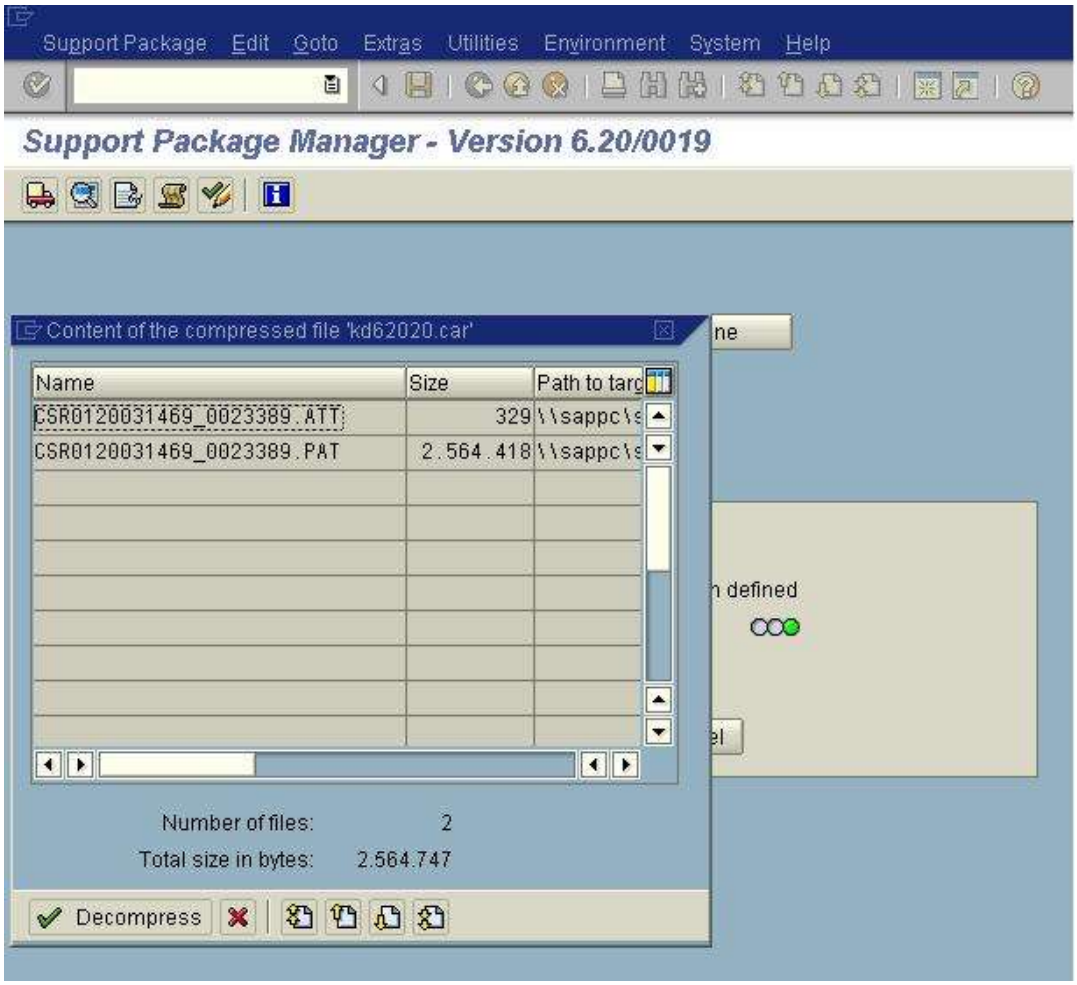
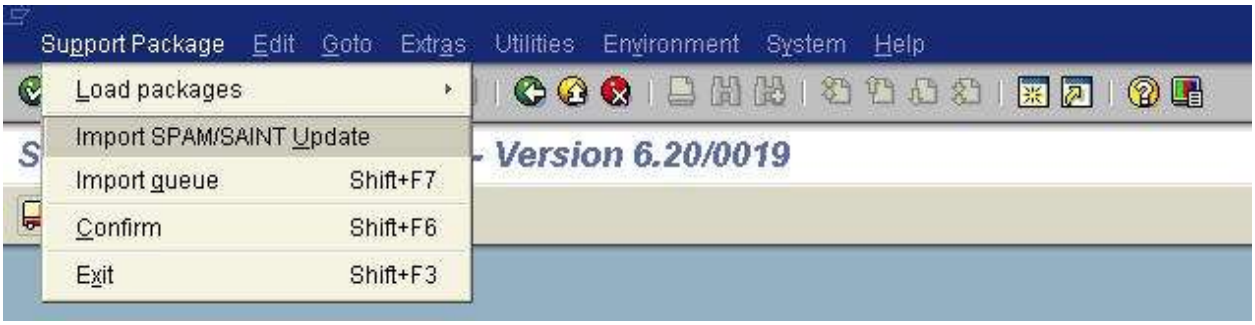
http://www.erpgreat.com/sap-bc.htm



Then click on Decompress. Now you can find the .ATT and .PAT files in the trans>eps>in directory. Also when you look in the SPAM tool for New Support packages > Display, you will find the entry with the status as not imported.

“SAPKD62020 SPAM/SAINT Update - Version 620/0020 not imported”

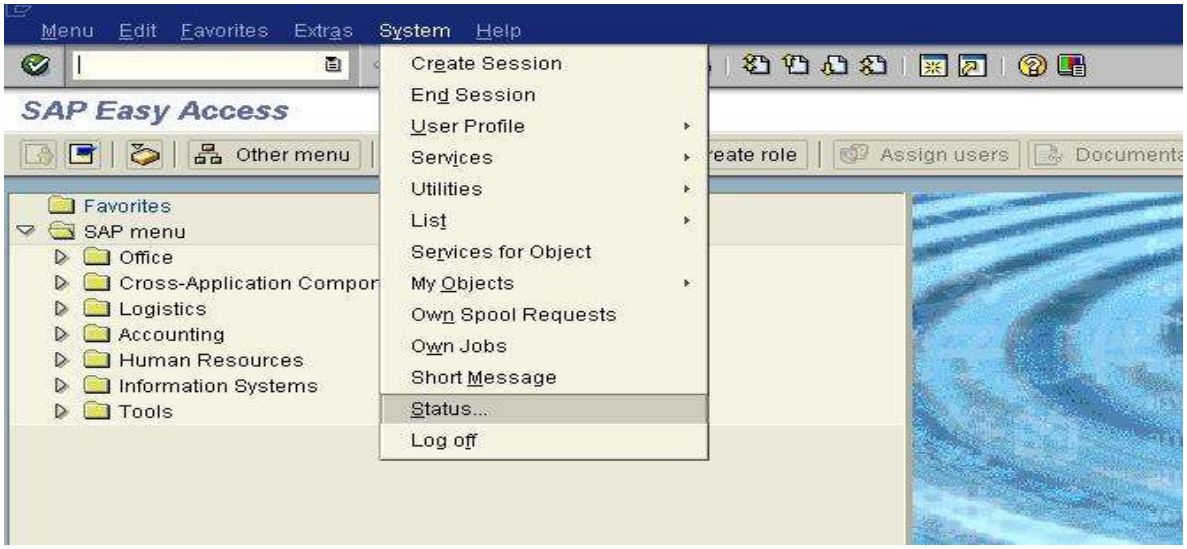
Now click on Support Package > Import SPAM/SAINT update to initiate the update process of SPAM version.

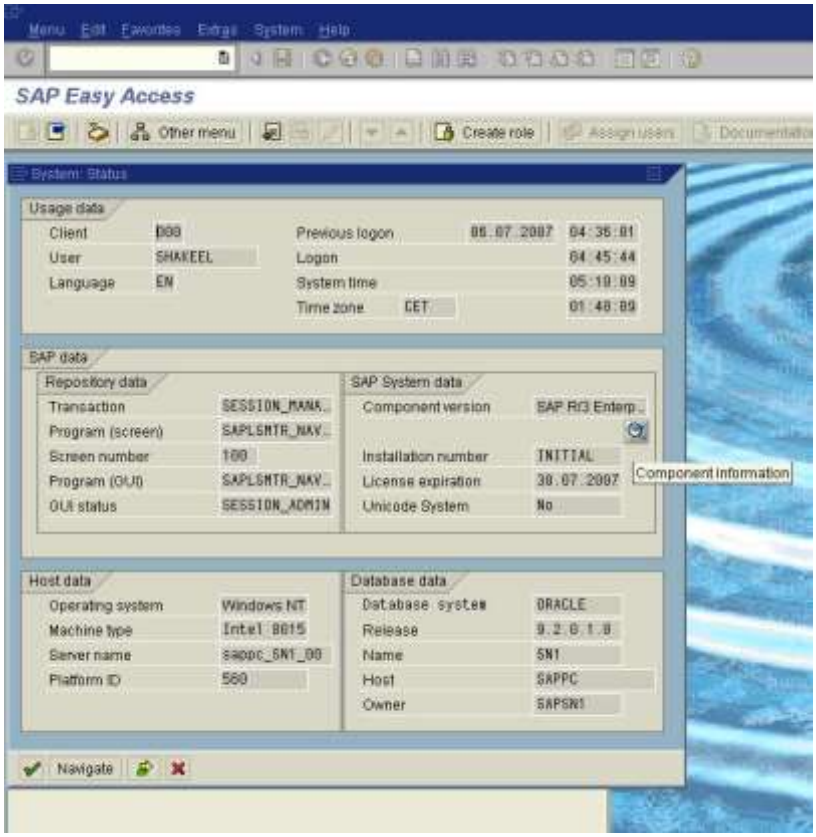


Once completed, restart SPAM.

How to check the patch levels:

Follow the path – System > Status > SAP System Data > Under Component Version click on Component Information.





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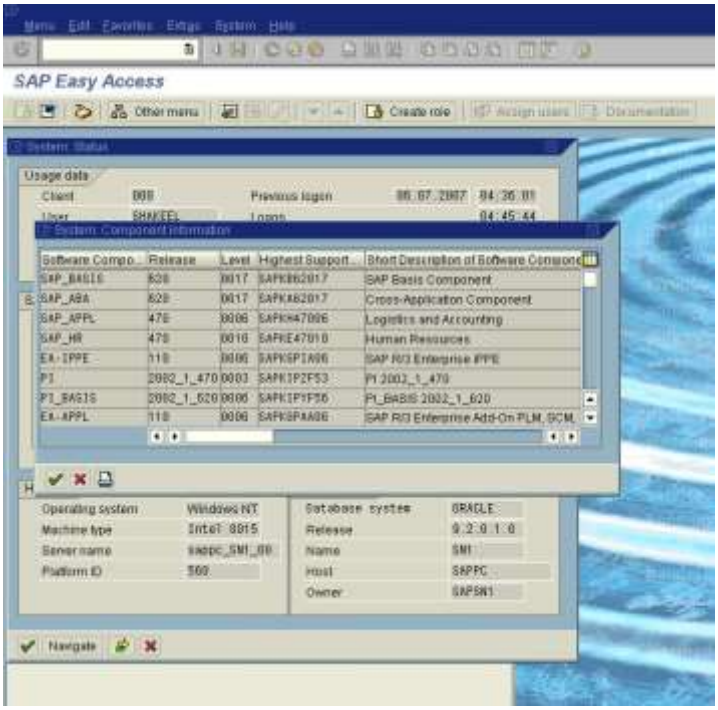

Here the Patch levels are as follows:

SAP_BASIS – 0017 – SAPKB62017

SAP_ABA – 0017 – SAPKA62017

SAP_APPL – 0006 – SAPKH47006

SAP_HR – 0010 – SAPKE47010

Steps to install patches

1. Schedule an off peak time and download the required patches from service market place.
2. Check for sufficient space in the following path USR > SAP > (SID) > TRANS > EPS >IN.
3. Check the tablespace, it should not be above 90%.
4. Check for sufficient space at OS level.
5. Update SPAM version if needed (as detailed above) – Latest is Version 6.20 / 0022
6. Copy the car files to the trans directory and also make sure that you have sapcar.exe stored in the same location. (If you do not have the file please copy it from the following path USR>SAP>(SID)>SYS>EXE>RUN>SAPCAR.EXE). Uncar the file (patch) by using the following command at command prompt.
   SAPCAR –XVF FILENAME
   (Note : There should be space before and after –xvf)

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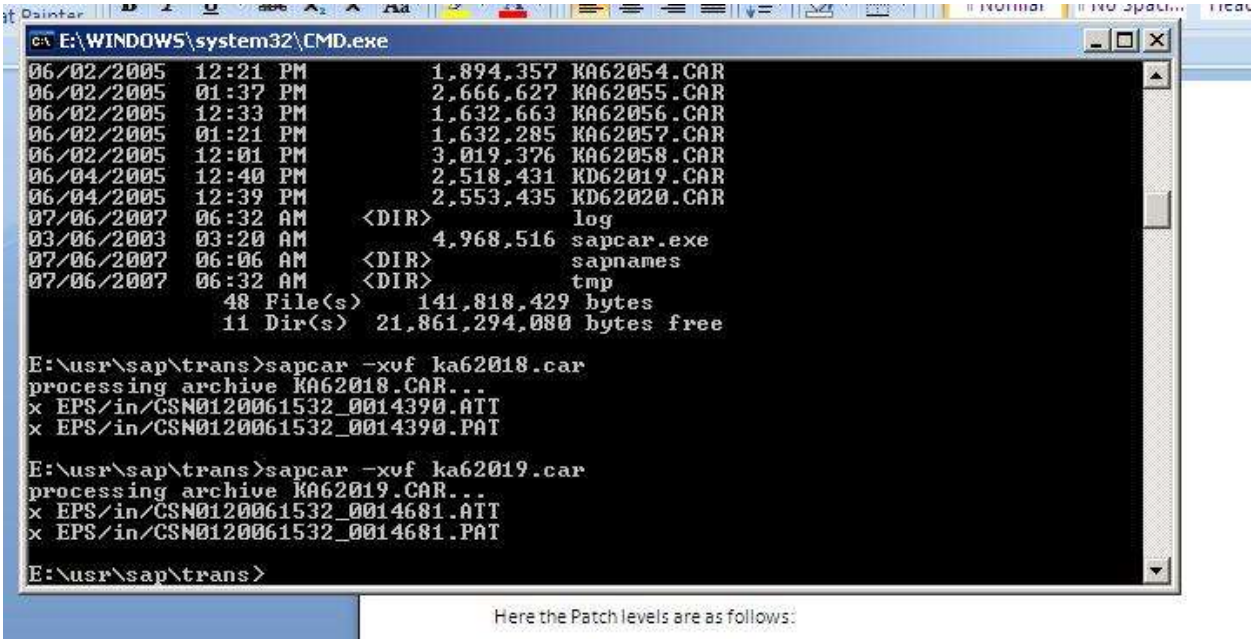
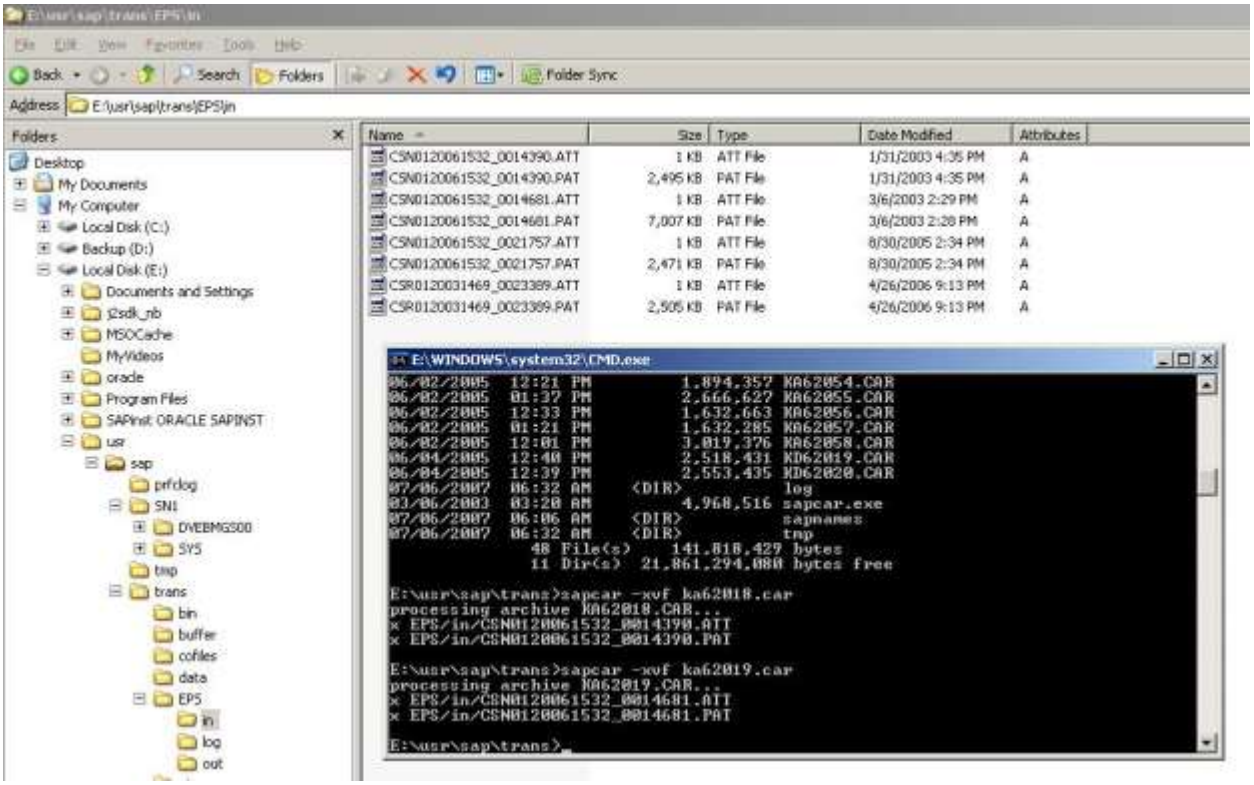


Here the Patch levels are as follows:

7. When the uncar is done the .ATT & .PAT files will be automatically generated in the eps/in directory.



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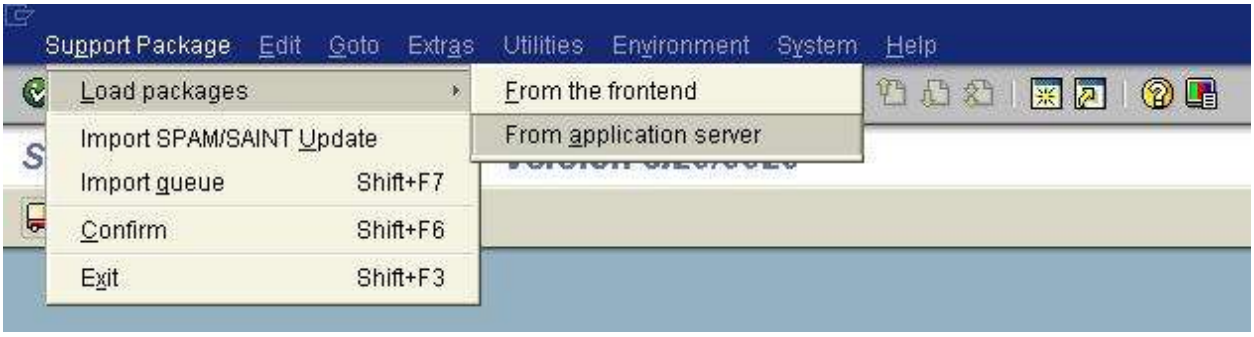
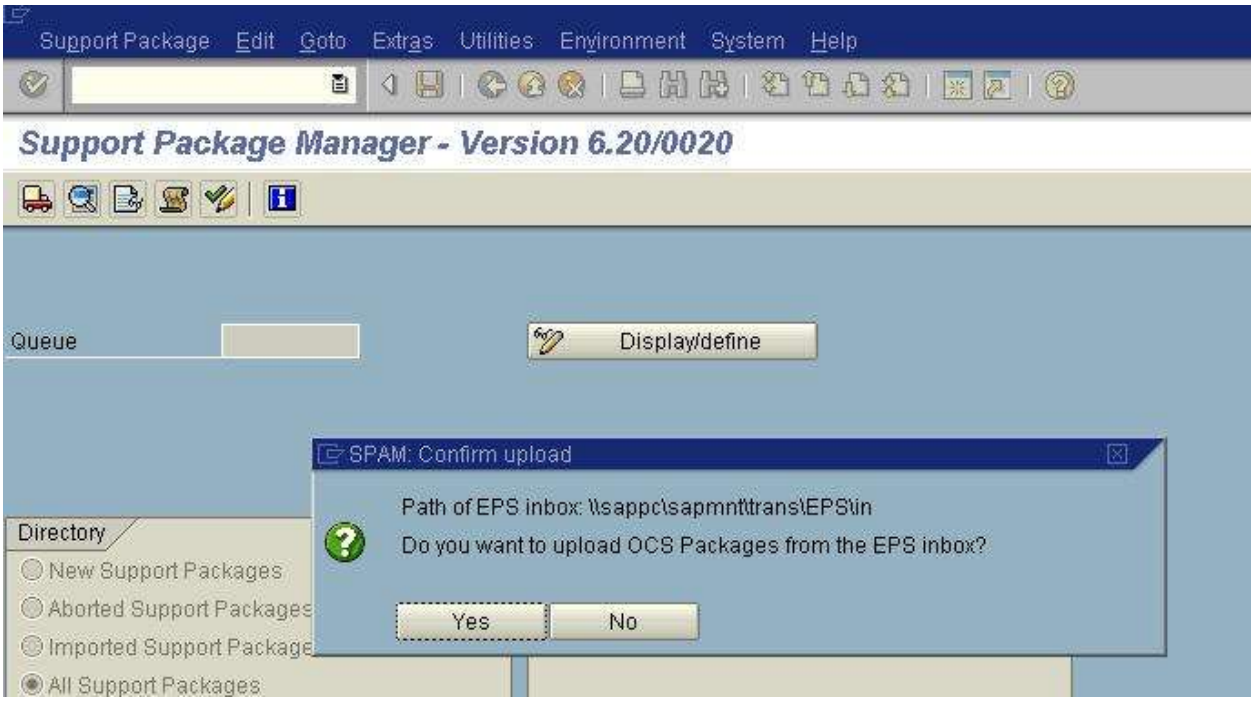
8. Login to the 000 client, go to SPAM and follow the path SUPPORT PACKAGE > LOAD PACKAGES> FROM APPLICATION SERVER (this will read the .ATT & .PAT files from the eps/in directory and will then display in the queue.





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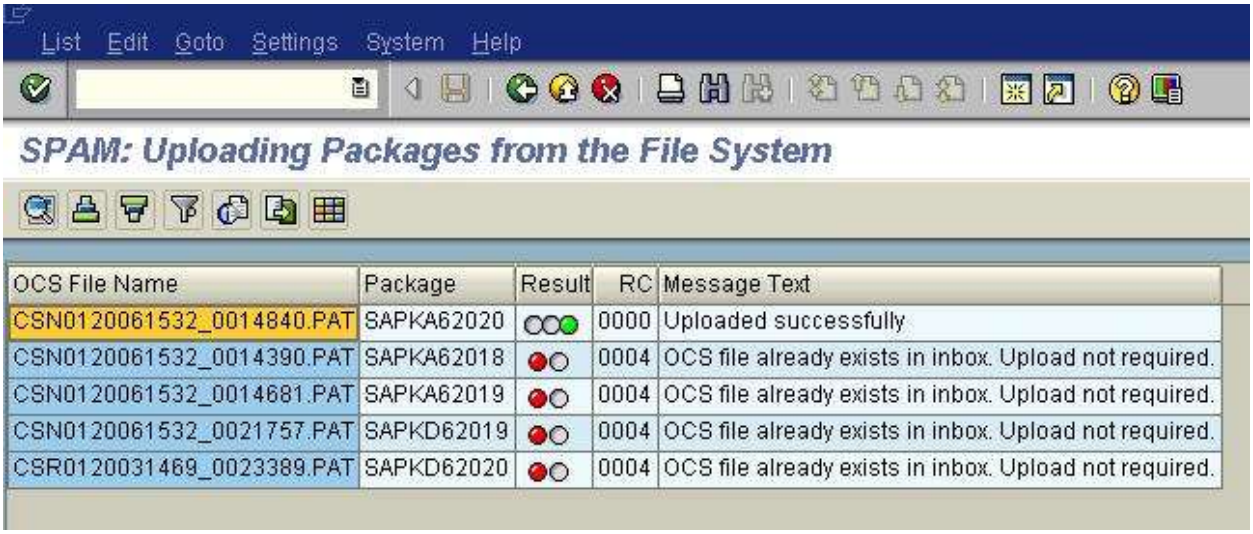
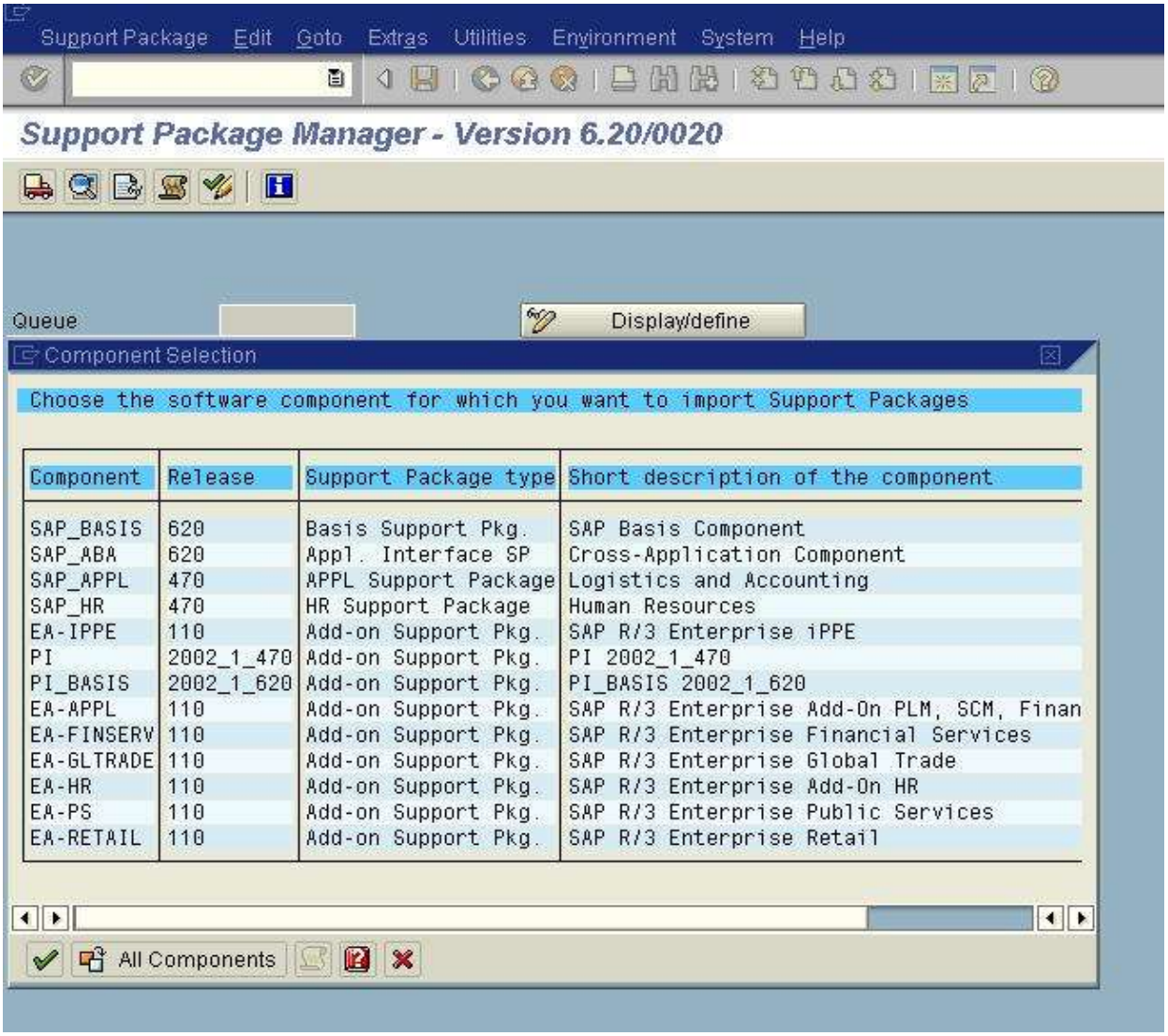


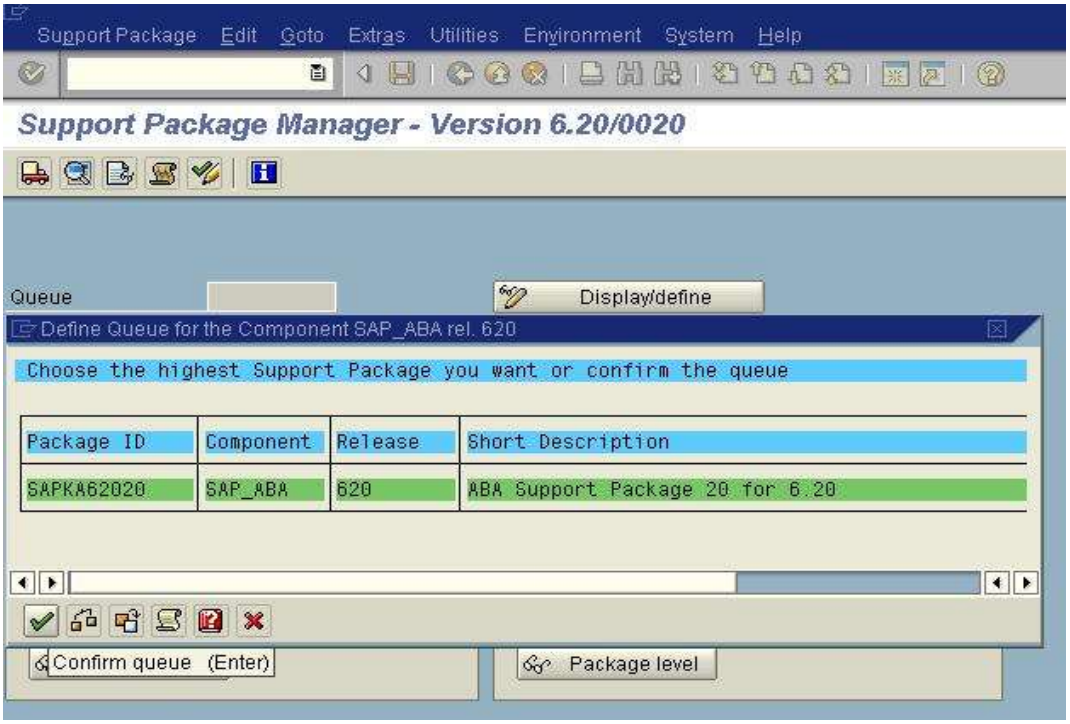
OCS File Name	Package	Result	RC	Message Text
CSN0120061532_0014840.PAT	SAPKA62020		0000	Uploaded successfully
CSN0120061532_0014390.PAT	SAPKA62018		0004	OCS file already exists in inbox. Upload not required.
CSN0120061532_0014681.PAT	SAPKA62019		0004	OCS file already exists in inbox. Upload not required.
CSN0120061532_0021757.PAT	SAPKD62019		0004	OCS file already exists in inbox. Upload not required.
CSR0120031469_0023389.PAT	SAPKD62020		0004	OCS file already exists in inbox. Upload not required.

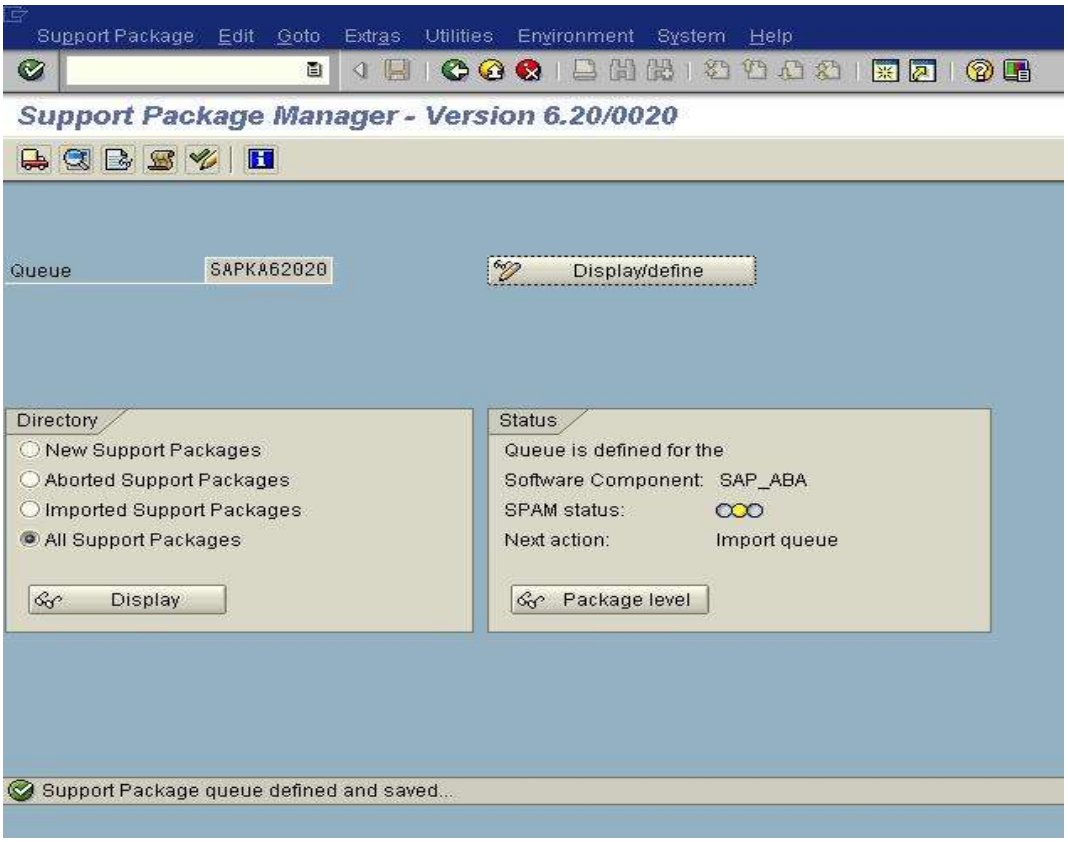
9. Choose Display/Define button which shows you the total available components.



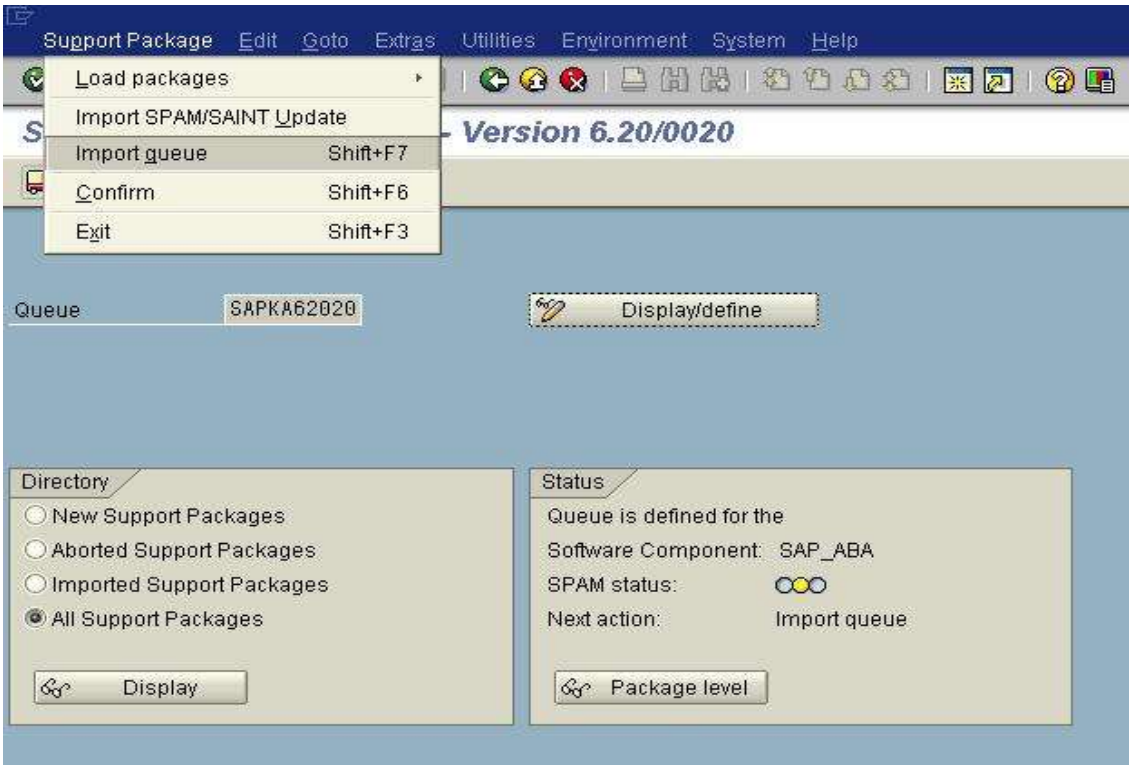
Component	Release	Support Package type	Short description of the component
SAP_BASIS	620	Basis Support Pkg.	SAP Basis Component
SAP_ABA	620	Appl. Interface SP	Cross-Application Component
SAP_APPL	470	APPL Support Package	Logistics and Accounting
SAP_HR	470	HR Support Package	Human Resources
EA-IPPE	110	Add-on Support Pkg.	SAP R/3 Enterprise iPPE
PI	2002_1_470	Add-on Support Pkg.	PI 2002_1_470
PI_BASIS	2002_1_620	Add-on Support Pkg.	PI_BASIS 2002_1_620
EA-APPL	110	Add-on Support Pkg.	SAP R/3 Enterprise Add-On PLM, SCM, Finan
EA-FINSERV	110	Add-on Support Pkg.	SAP R/3 Enterprise Financial Services
EA-GLTRADE	110	Add-on Support Pkg.	SAP R/3 Enterprise Global Trade
EA-HR	110	Add-on Support Pkg.	SAP R/3 Enterprise Add-On HR
EA-PS	110	Add-on Support Pkg.	SAP R/3 Enterprise Public Services
EA-RETAIL	110	Add-on Support Pkg.	SAP R/3 Enterprise Retail

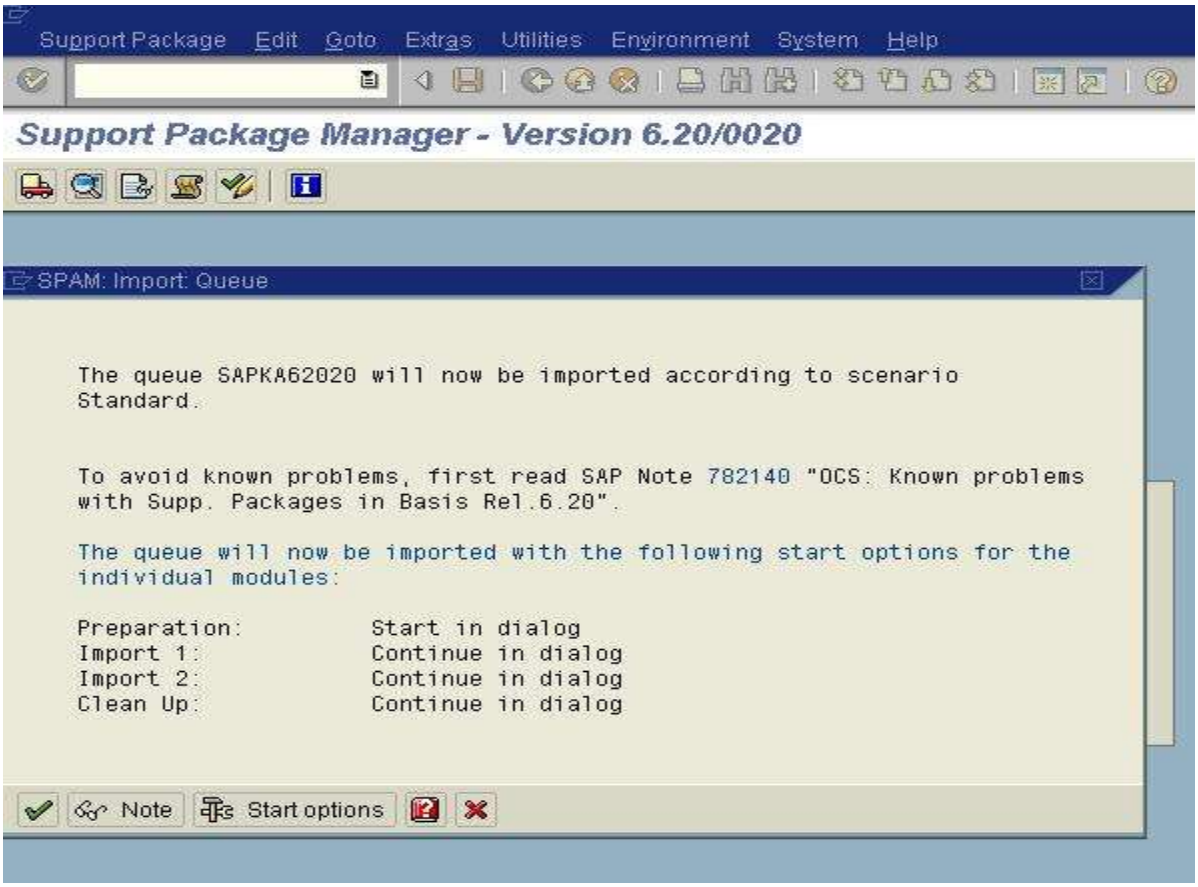
10. Click on the relevant component and it will display the highest support package available to be imported. Confirm the same by clicking on the TICK mark. This will define the support package and save it. You will get the same message at the status bar of the page. SPAM status will change to orange color and Next Action will show as Import Queue.



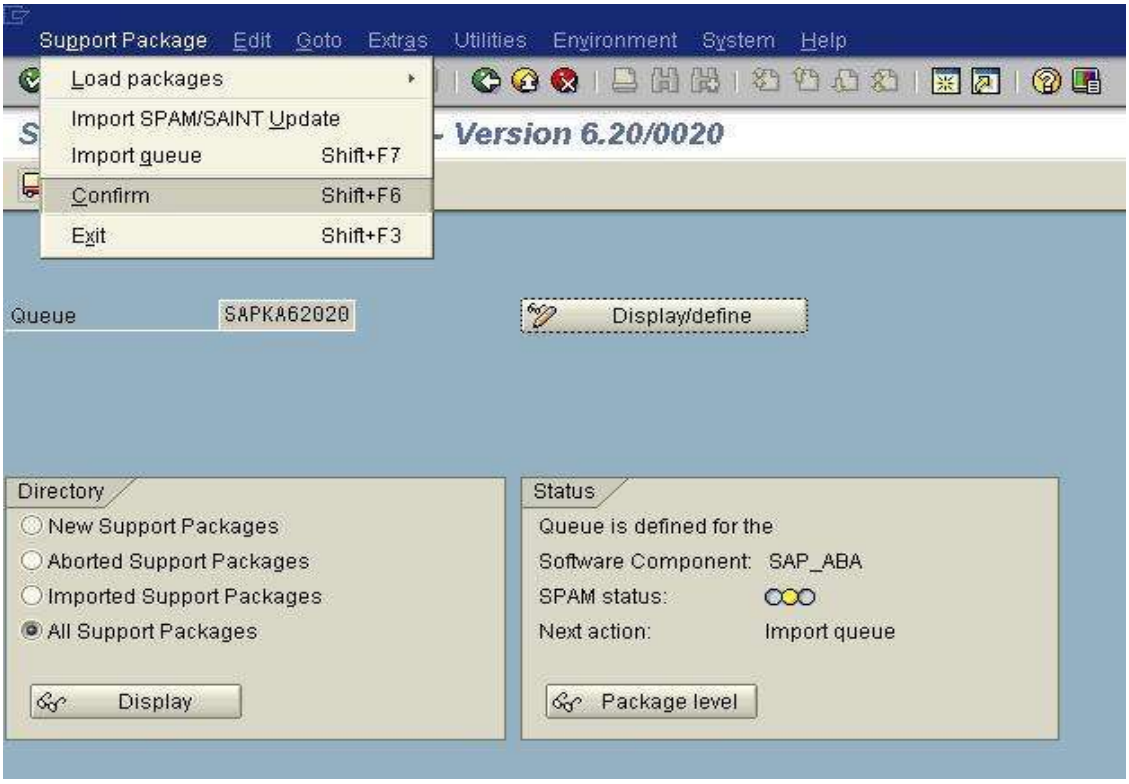


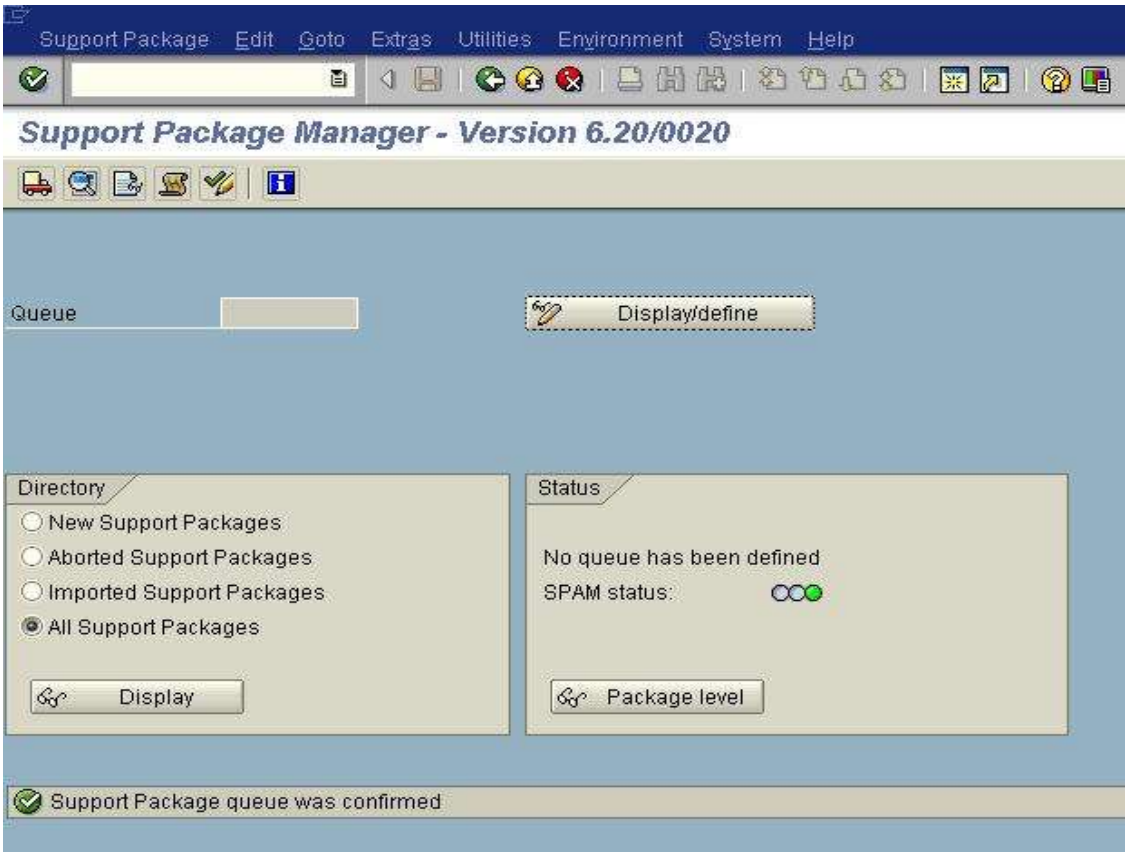
11. Click on Support Package and Import Queue.





12. Click on Support Package > Confirm. This completes a successful installation of a patch.





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