

How-to Guide  
SAP CPM



# How To... patch SAP BPC NW with SP02

Version 1.01 – 12<sup>th</sup> of March 2009

Applicable Releases:  
SAP BPC 7.0 NW

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# 1 Scenario

You have installed SAP Business Planning and Consolidation 7.0, version for SAP NetWeaver (SAP BPC 7.0 NW) without applying any Service Pack or with SP01. Now, you would like to go to SP02.

## 2 Introduction

This guide is a step by step approach for a specific server. As other servers might have a different setup it is necessary to consult the notes and guides.

Consider to patch the EhP1 first before patching BPC, if a new SP for EhP1 is available.

Always upgrade your test environment first and finalize your application specific tests before you start with the productive environment.

There is no guarantee that this description is working. The official documents are the notes and the guides.

In case of any issues consult:

**Note 1276941 - Support Packages for CPMBPC**

**Note 1306898 - BPC 7.0 SP02, version for SAP NetWeaver Central Note**

+ The notes in the reference of these notes. (Ex: 1288286)

...and the installation guide on <http://service.sap.com/instguidescpm-bpc>

**Note:** During applying SP02 in ABAP system, note that "Change requests should only be released only within a context of an overall change management strategy" and "Modification adjustment decisions should be made in collaboration with individuals responsible for overseeing change management within an organization"

# The Step By Step Solution

1. First you should download the patch:

Download Patches - .NET in Win32 folder.

2. Download ABAP part.

3. Download the actual client with the highest patch level.

## SUPPORT PACKAGES AND PATCHES


[Support Packages and Patches](#) - [SAP Application Components](#) - [SAP BPC FOR SAP NETWEAVER](#) - [SAP BPC 7.0 FOR SAP NETWEAVER](#)

SAP BPC 7.0 FOR SAP NETWEAVER

- SAP CPM BPC 7.0
  - MS SQL SERVER
    - Win32
  - SAP CPM BPC ABAP 7.0
  - SAP CPM BPC CLNT 7.0
  - [Preconditioned Product Version](#)

Info Page Downloads

**SAP CPM BPC 7.0 -> Win32**

You can download one or more files by activating the check box on the left and clicking the button "Add to Download Basket". Please [click here for more detailed information](#). Click on  to request Side Effects report.

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The following objects are available for download:

File Type	Download Object	Title	Patch Level	Info File	File Size [kb]	Last Changed
<input type="checkbox"/>	EXE	BPCSERVER01_0-10005010.EXE	BPC Server 7.0 SP01	0	<a href="#">Info</a>	72415 01.12.2008
<input type="checkbox"/>	EXE	BPCSERVER02_0-10005010.EXE	BPC Server 7.0 SP02	0	<a href="#">Info</a>	72772 27.02.2009

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## SUPPORT PACKAGES AND PATCHES


[Support Packages and Patches](#) - [SAP Application Components](#) - [SAP BPC FOR SAP NETWEAVER](#) - [SAP BPC 7.0 FOR SAP NETWEAVER](#)

SAP BPC 7.0 FOR SAP NETWEAVER

- SAP CPM BPC 7.0
- SAP CPM BPC ABAP 7.0
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The following objects are available for download:

File Type	Download Object	Title	Info File	File Size [kb]	Released On
<input type="checkbox"/>	SAR	SAPK-70002INCPMBPC	CPMBPC 700; Support Package 0002	<a href="#">Info</a>	6004 10.03.2009
<input type="checkbox"/>	SAR	SAPK-70001INCPMBPC	CPMBPC 700; Support Package 0001	<a href="#">Info</a>	8002 08.12.2008

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SAP BPC 7.0 FOR SAP NETWEAVER

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- SAP CPM BPC ABAP 7.0
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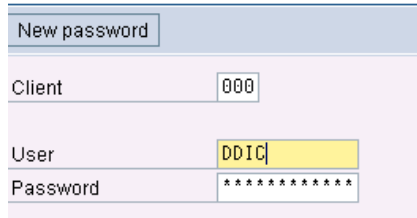
The following objects are available for download:

File Type	Download Object	Title	Patch Level	Info File	File Size [kb]	Last Changed
<input type="checkbox"/>	EXE	BPCADMCLI00_2-20004356.EXE	BPCADMCLI00	2	<a href="#">Info</a>	15539 31.10.2008
<input type="checkbox"/>	EXE	BPCCLIENT01_0-20004356.EXE	BPC Client 7.0 SP01	0	<a href="#">Info</a>	41917 01.12.2008
<input type="checkbox"/>	EXE	BPCCLIENT02_0-20004356.EXE	BPC Client 7.0 SP02	0	<a href="#">Info</a>	42117 27.02.2009
<input type="checkbox"/>	EXE	BPCOFFCLI00_2-20004356.EXE	BPC Office Client 7.0 SP00	2	<a href="#">Info</a>	27281 31.10.2008
<input type="checkbox"/>	EXE	BPCSERVER00_2-20004356.EXE	BPC Server 7.0 SP00	2	<a href="#">Info</a>	66654 31.10.2008
<input type="checkbox"/>	EXE	BPCSERVER01_1-20004356.EXE	BPC Client 7.0 SP01	1	<a href="#">Info</a>	10947 07.01.2009

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- Next you install the ABAP part of the patch:

Login to client 000 on the ABAP backend.



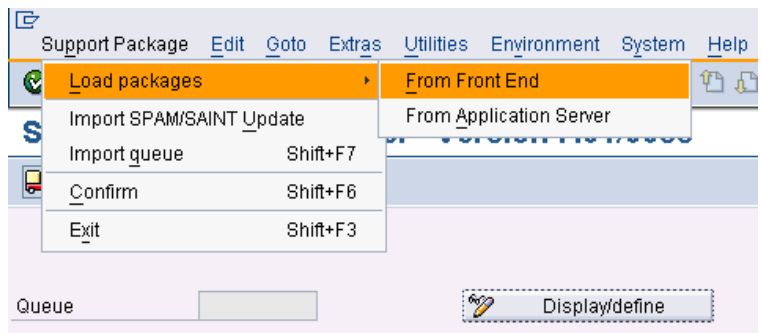
The screenshot shows the 'New password' dialog box in SAP. It has a title bar 'New password' and a light blue background. The fields are: Client (000), User (DDIC), and Password (masked with asterisks).

- Start SPAM.

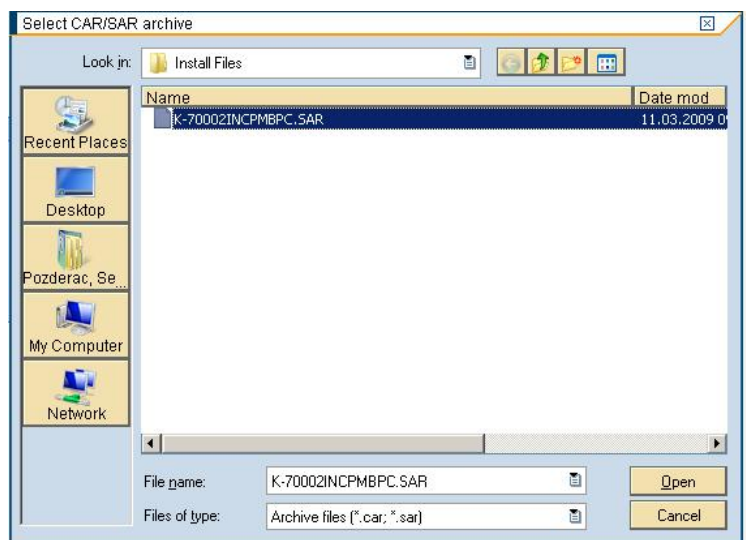
(Warning OK at the moment)



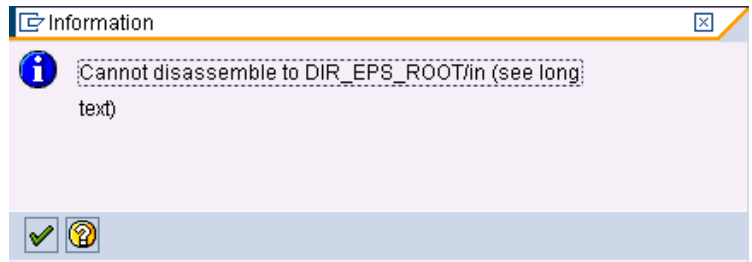
- Verify that SPAM is on Version 7.01/0033 (if not you have to update SPAM with the transaction SAINT) and load the support package from the front end.



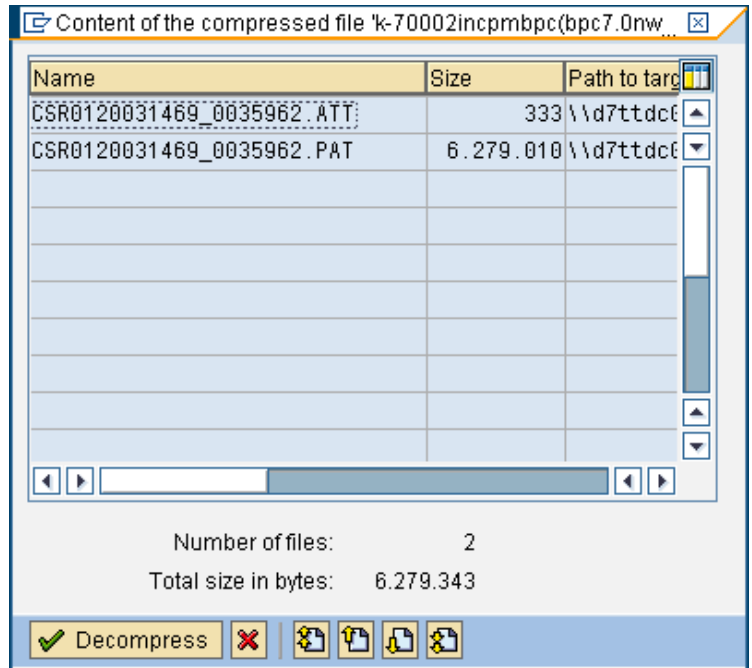
- Select the SAR file (ABAP SP2) which you download from SMP.



8. Confirm it.

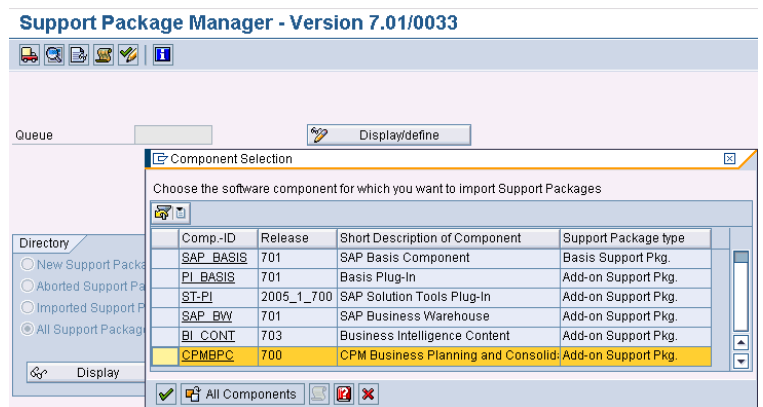


9. Click Decompress button.

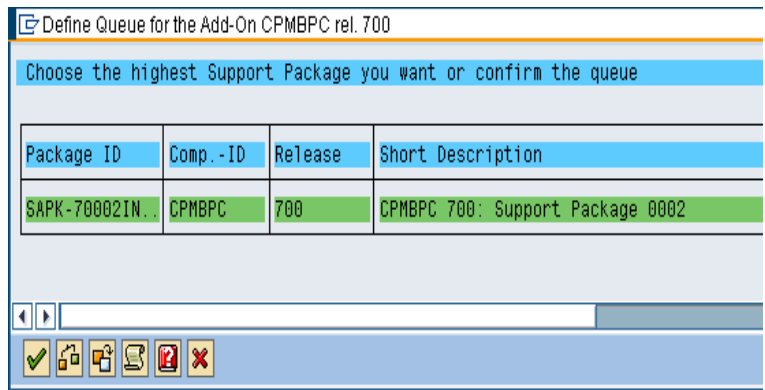


10. Click on display / define.

Select CPMBPC component.



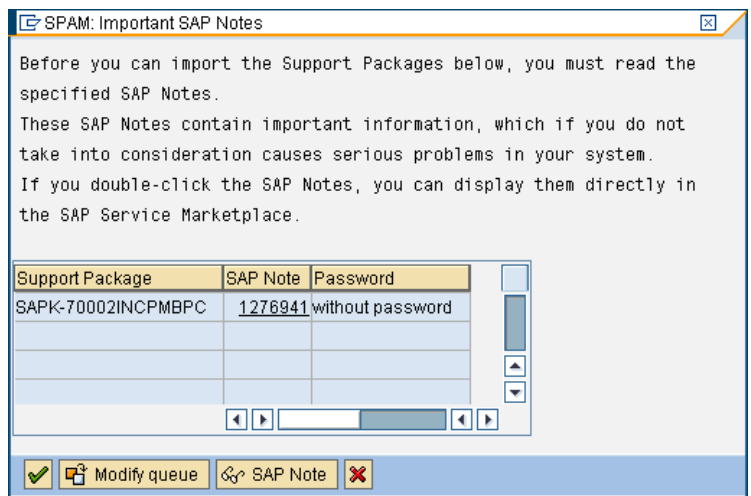
11. Select the Package.



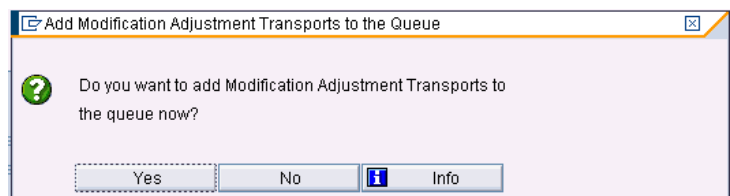
12. Read the notes:

**Note 1276941 - Support Packages for CPMBPC**  
**Note 1306898 - BPC 7.0 SP02, version for SAP NetWeaver Central Note**

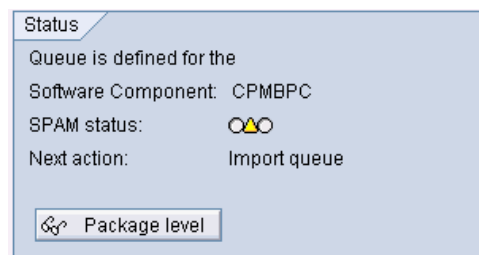
...and the installation guide on <http://service.sap.com/instguidescpm-bpc>.



13. Click Yes.



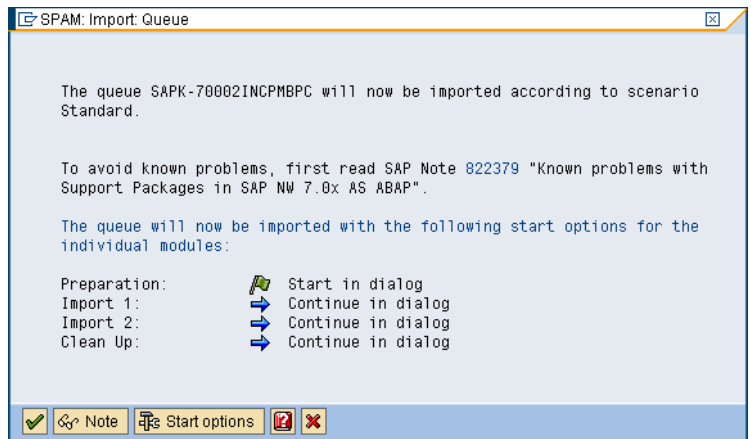
14. Added to the queue.



15. Click on Import queue icon for SAPK-70002 package id.

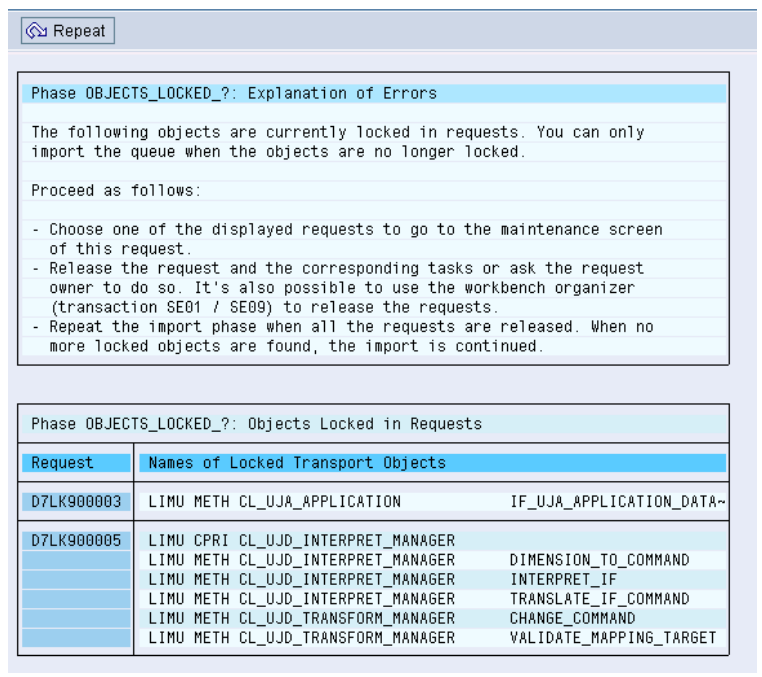


16. Continue the import queue process.

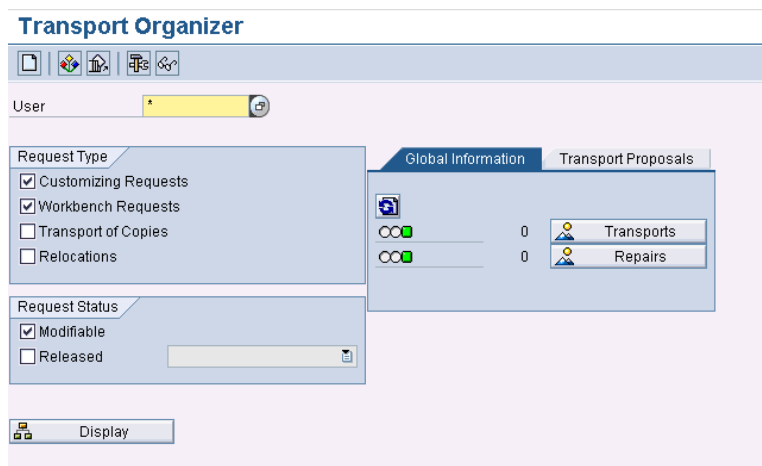


17. Locked objects error message is displayed:

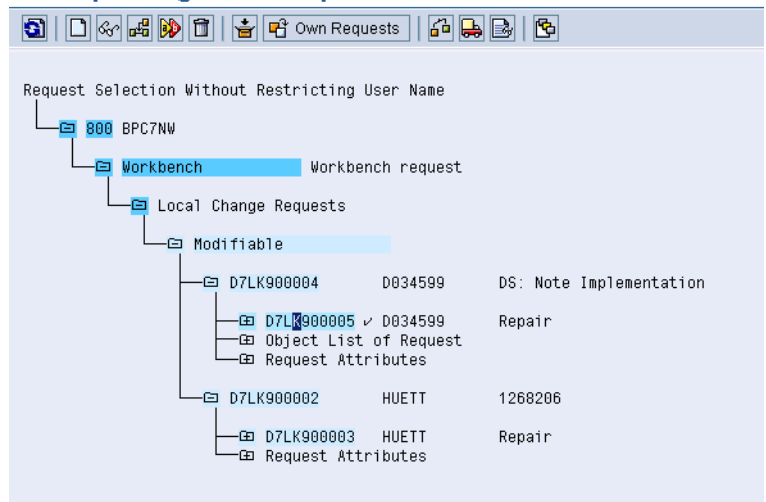
Note: as mentioned in this error message, logon to appropriate client of the system and release all locked transport objects using se09 transaction.



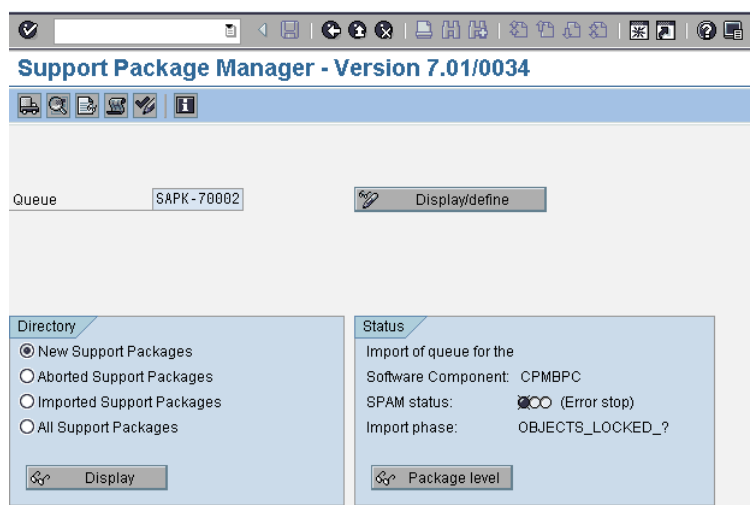
18. In transaction se09 enter \* in user field and click Display button



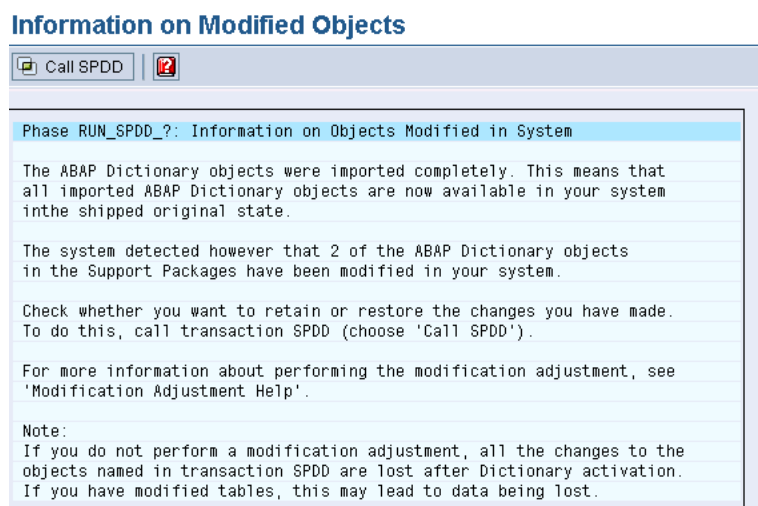
19. Release the requests.



20. Go back and restart the import in SPAM in client 000.



21. Call SPDD, if there are modified ABAP Dictionary objects in your system (e.g. because of some manual notes applied).



22. Verify, that the objects are not a custom coding in SAP code, but manual notes.

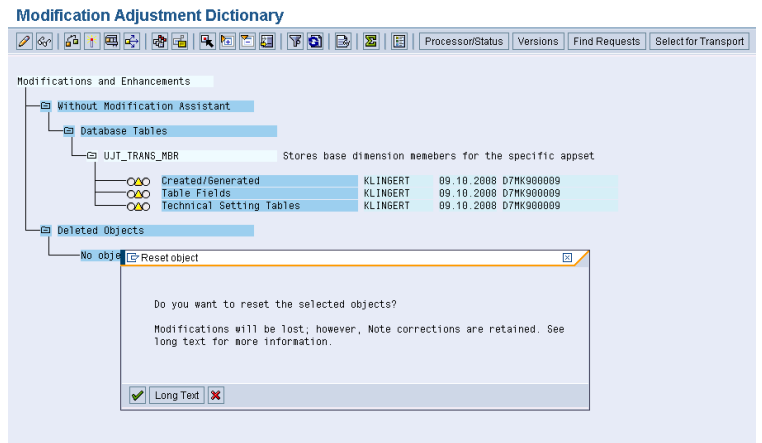


23. As the notes are included in SP02, reset the changes:



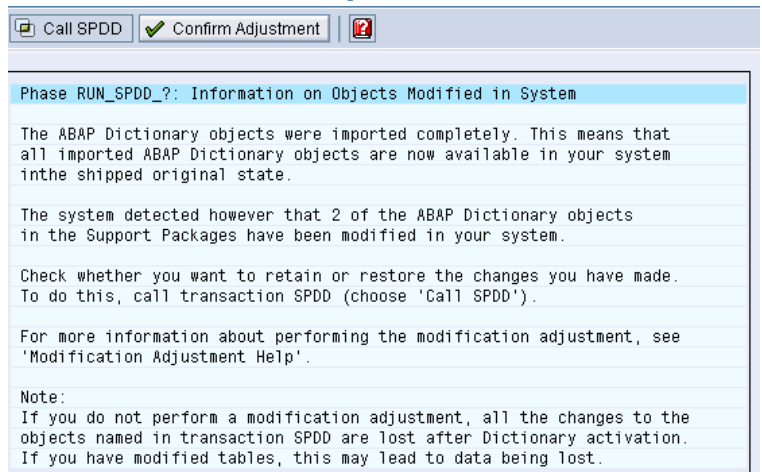
Click on reset to original icon.

Repeat this process for all objects in Database tables.



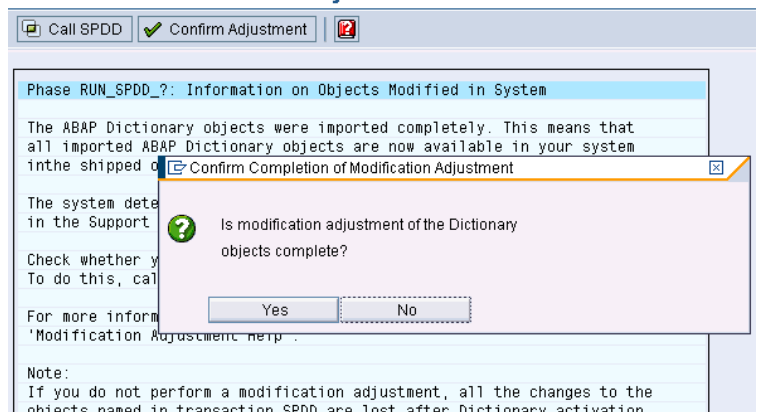
24. Go back and confirm adjustment.

### Information on Modified Objects

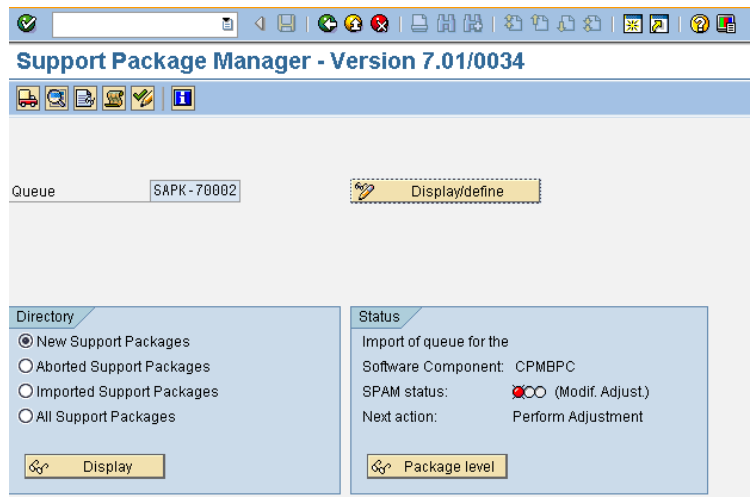


25. Click Yes.

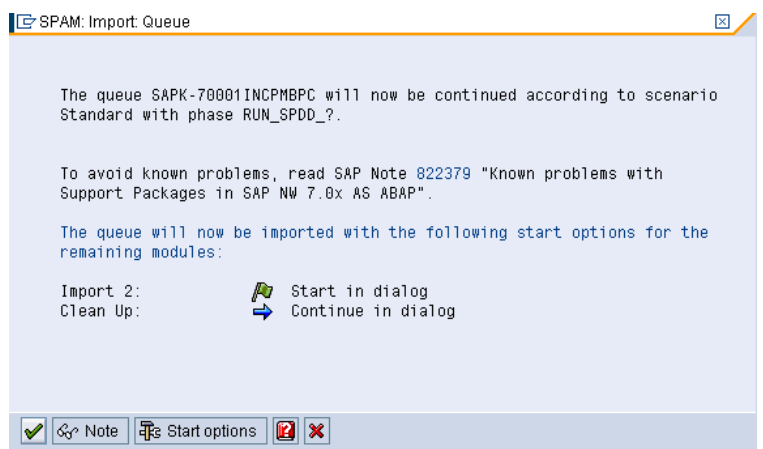
### Information on Modified Objects



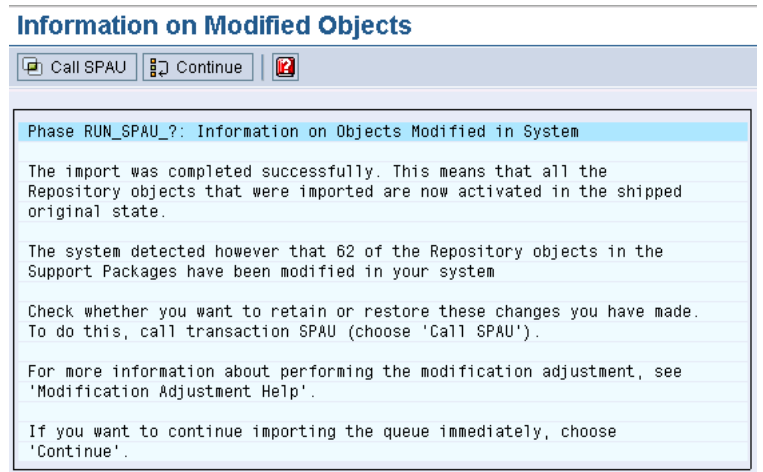
26. Start again import.



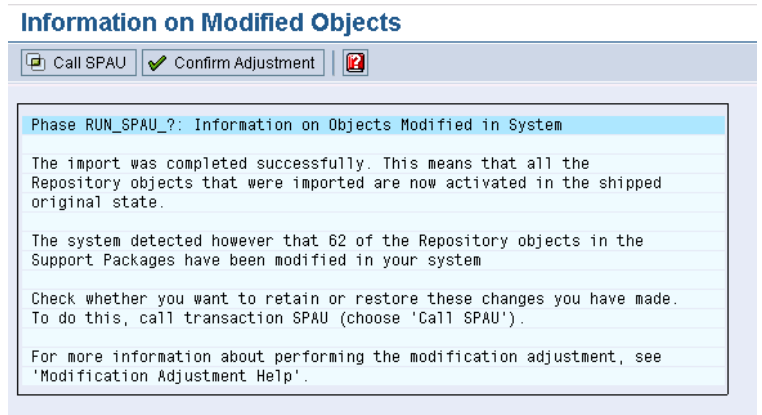
27. Now you are in phase 2 of Import.



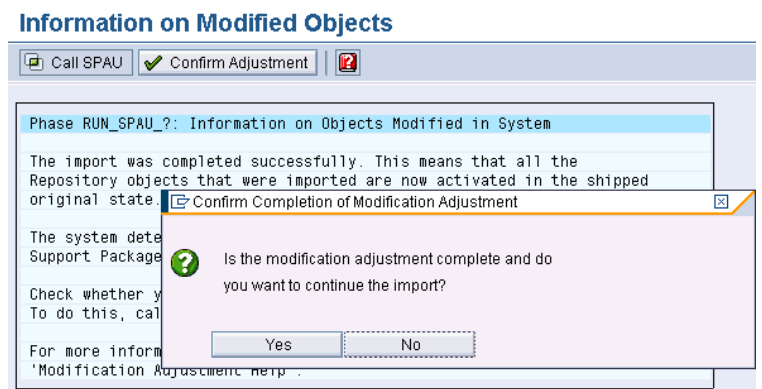
28. Call the SPAU:  
Click on Call SPAU icon.



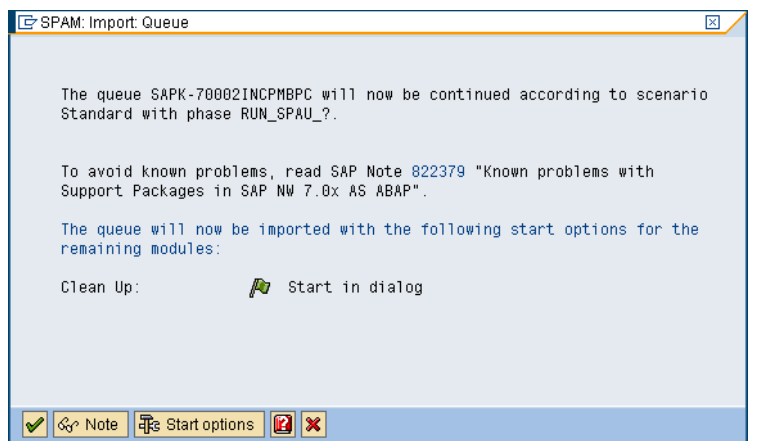
29. And confirm the Adjustments after your check.



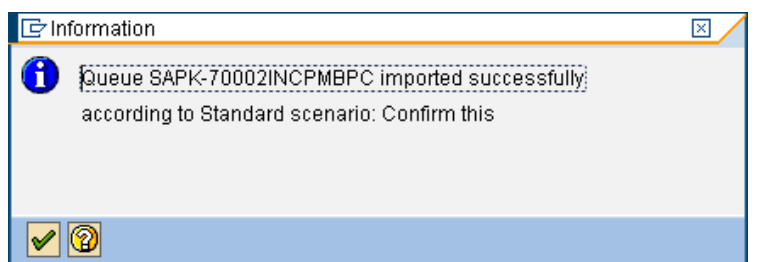
30. Click Yes.



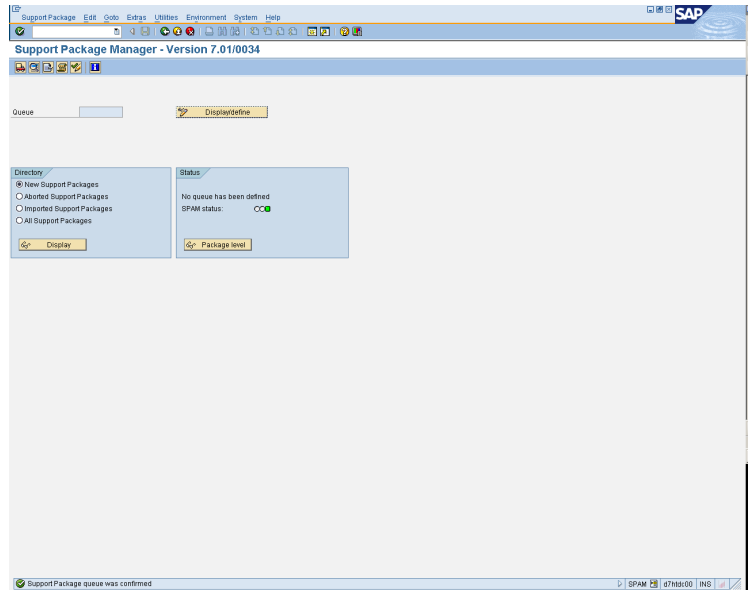
31. Click a last time on import queue.



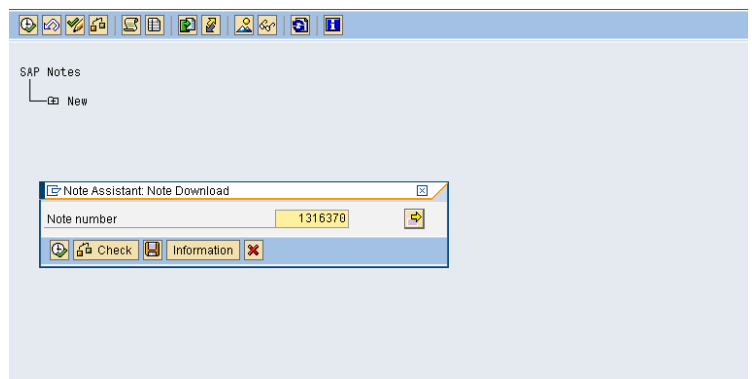
32. Successfully imported.



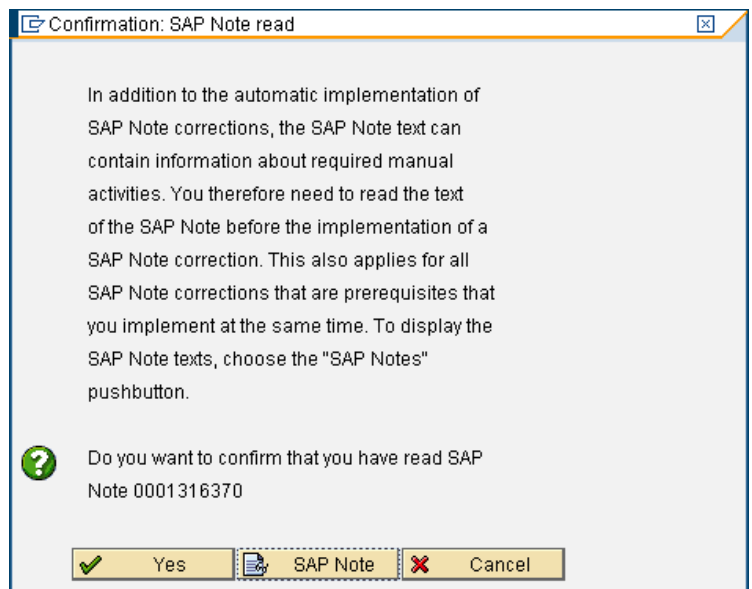
33. Confirm queue:



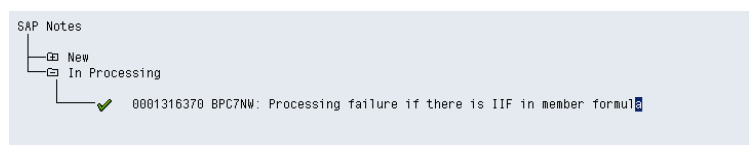
34. Implement Note 1316370.



35. Click Yes.



36. Note was implemented successfully.



37. Next you go to the .NET server:



If you are on SP00 state, you can directly go to SP02 skipping SP01. In any case you need to uninstall previous version and install latest version.

Starting SP01 you need to have Microsoft Message Queue.

Note: In SP02 there is a small setting different from SP01 (follow the section of Microsoft MQ installation)

38. Starting SP02 you have the possibility to choose the port number during BPC .net installation and a new web site called BPC is created outside Default Web Site zone.

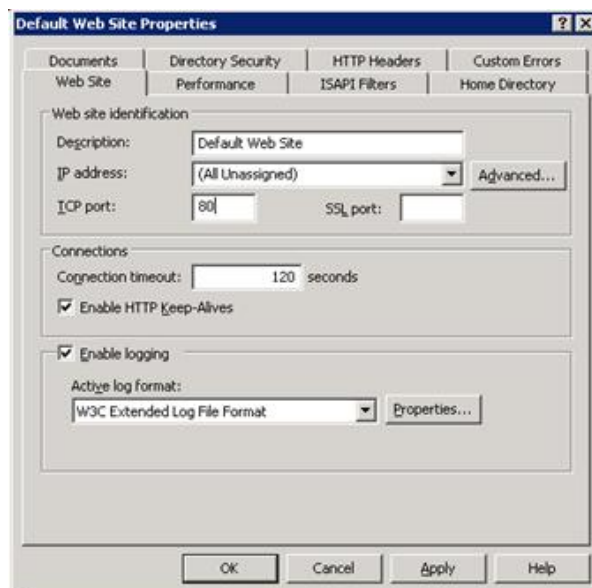
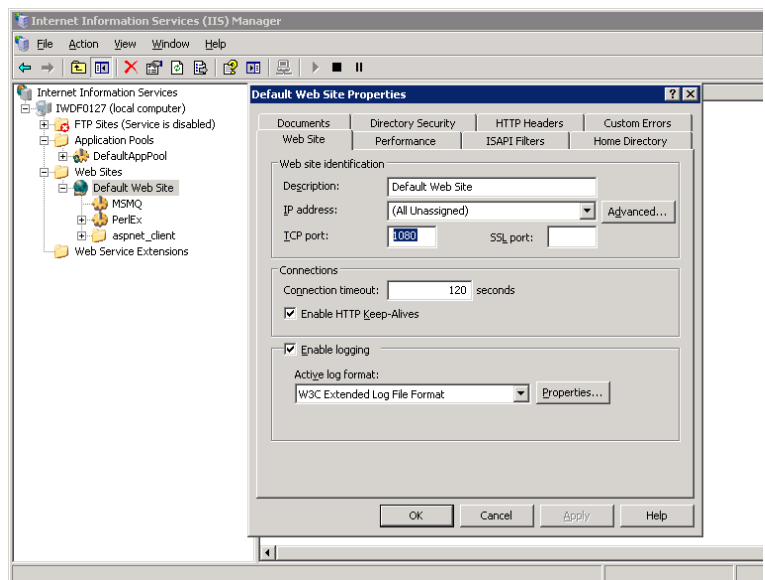
So if the port you intend to have for BPC is also used by other sites (like Default Web Site), you need to change it or stop this site before you install .net part

39. Here you changed the TCP port number from 1080 to 80 for Default Web Site as you want to use 1080 for BPC site which will be created automatically during BPC .net part installation.

## Document History

The following table provides an overview of the most important document change.

Version	Date	Description
1.0	7/31/2008	Initial Version.
1.1	12/12/2008	Updated for the 7.0 SP01 version. Includes new topics on Microsoft Message Queue and client auto update.
1.2	1/20/2009	Minor updates.
1.3	2/9/2009	In 3.2 Configuring the ABAP Server Component, added a reference to the SAP NetWeaver Library for help with generating user roles manually. Added SMS client installation to Tips. Other minor updates.
2.0	3/13/2009	Updated for the 7.0 SP02 version.

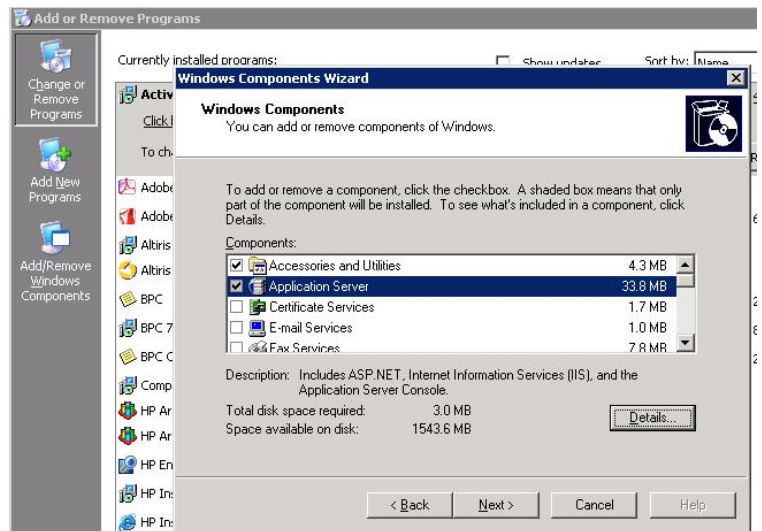


40. Here you install Microsoft Message Queue.

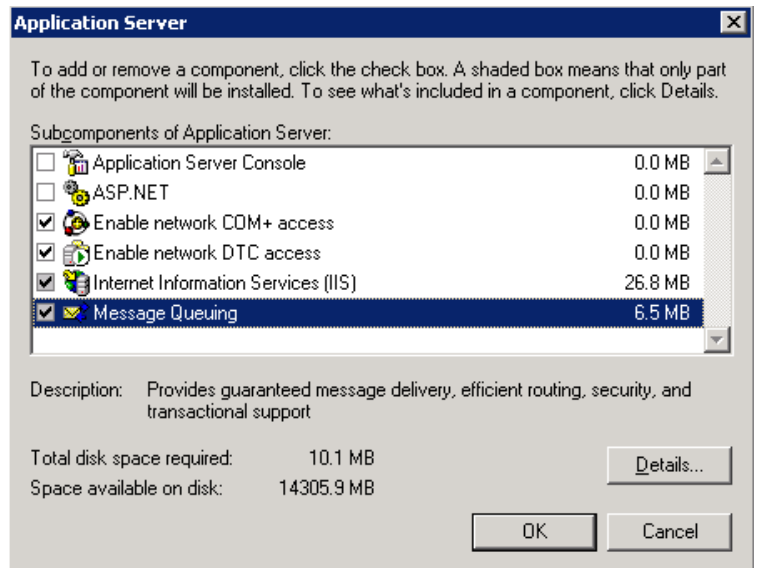
Note: If you already installed it during SP01, you can then directly go to step 45.

You go to Add/Remove Programs and Add/Remove Windows components and add the Message Queuing.

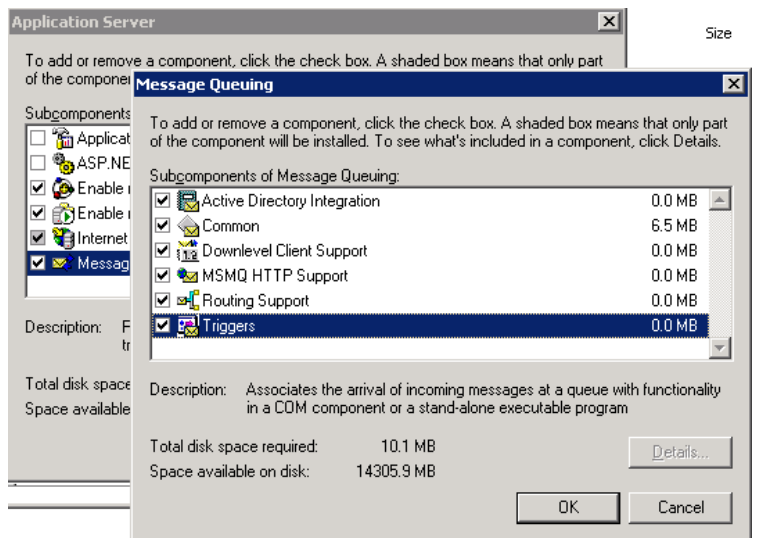
In Windows Components Wizard select Application Server option and click Details button.



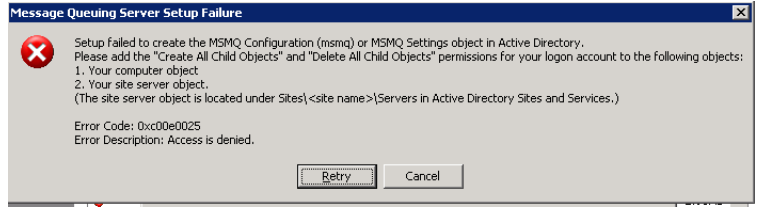
41. In Application Server window select Message Queuing option and click Details button.



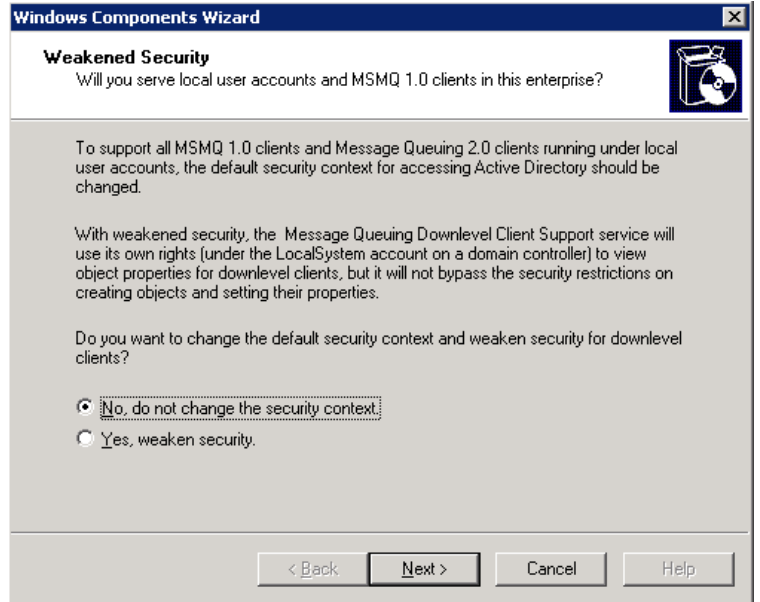
42. Select all subcomponents of Message queuing.



43. Note: the user you are logged on in windows has to be domain admin or at least has the rights to "Create All Child Objects" and "Delete All Child Objects".

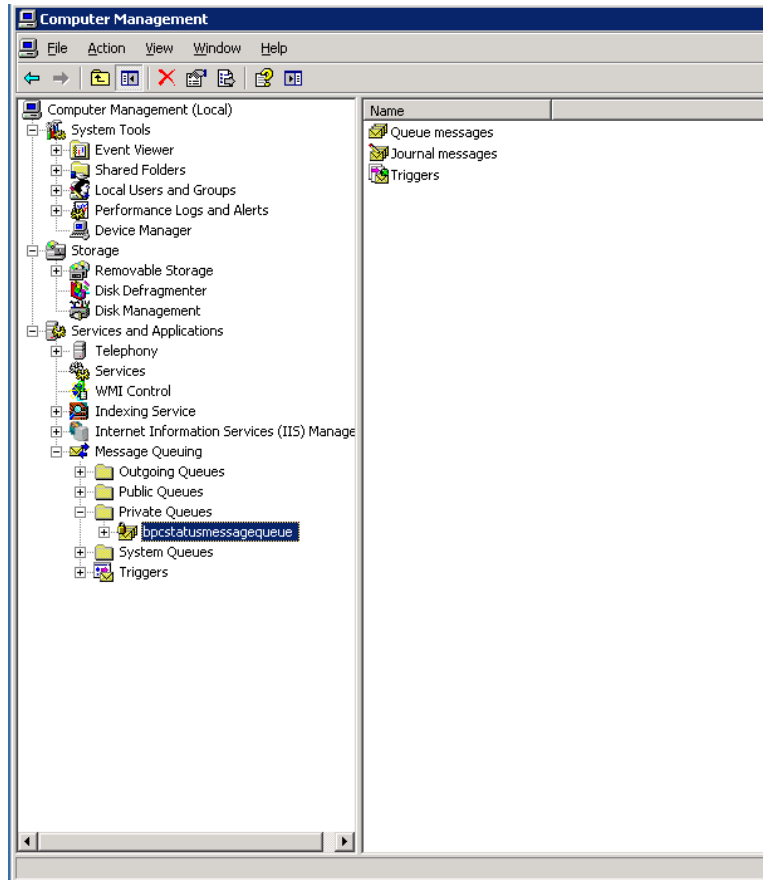


44. Walk through the wizard.

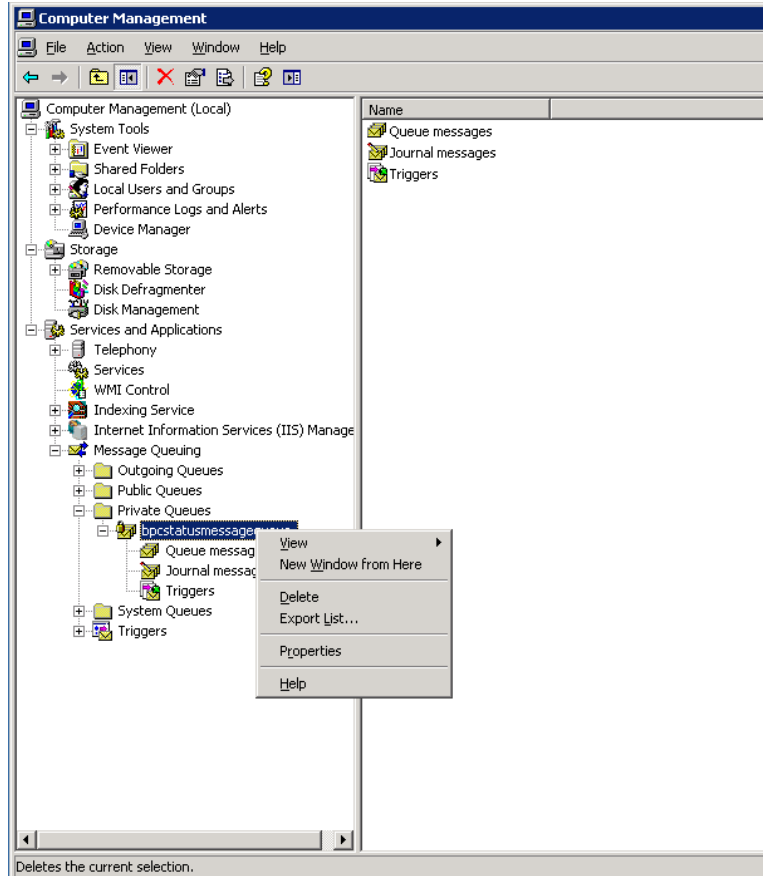


45. If you are updating from SP01 you will need to first remove your entry that you have and create a new one.

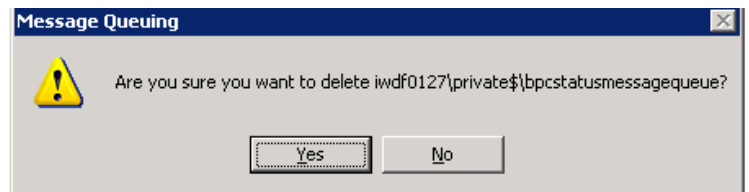
In Computer Management tool, expand Services and Applications group, then expand Message Queuing group and in Private Queues folder you can find the existing entry.



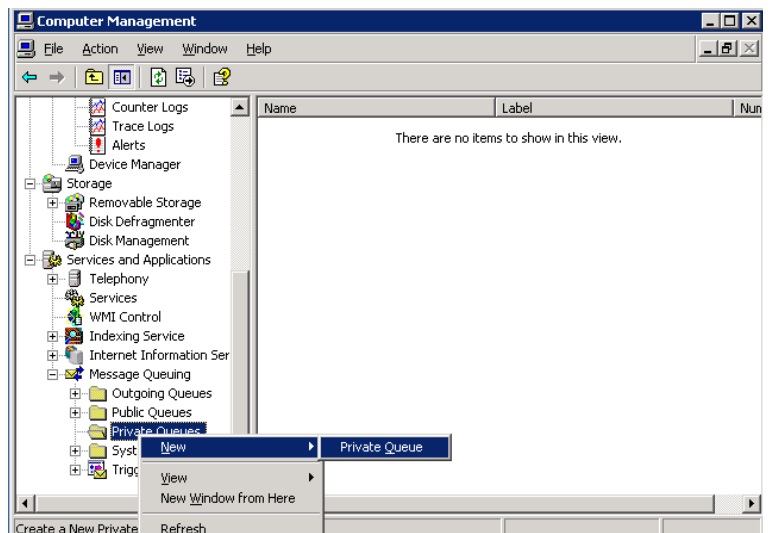
46. Select Delete.



47. Click Yes

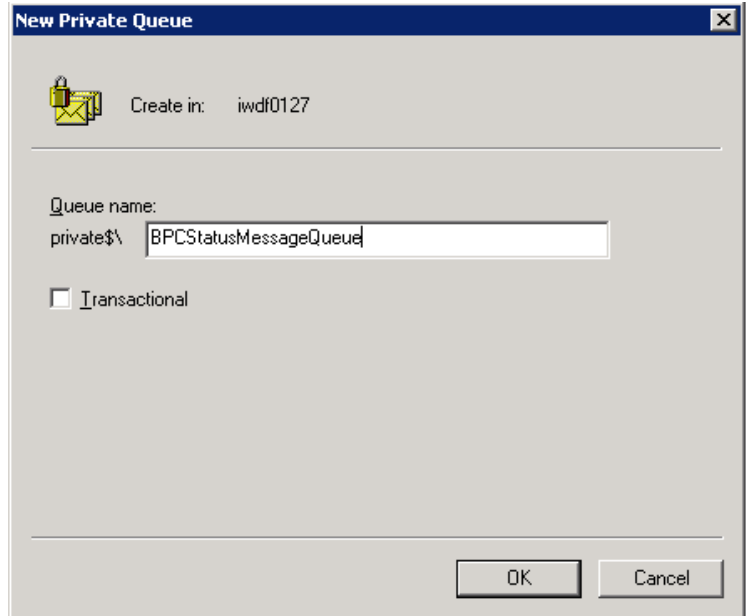


48. Then add a new message queue using context menu of Private Queues folder.



49. Name it as BPCStatusMessageQueue and do NOT check Transactional.

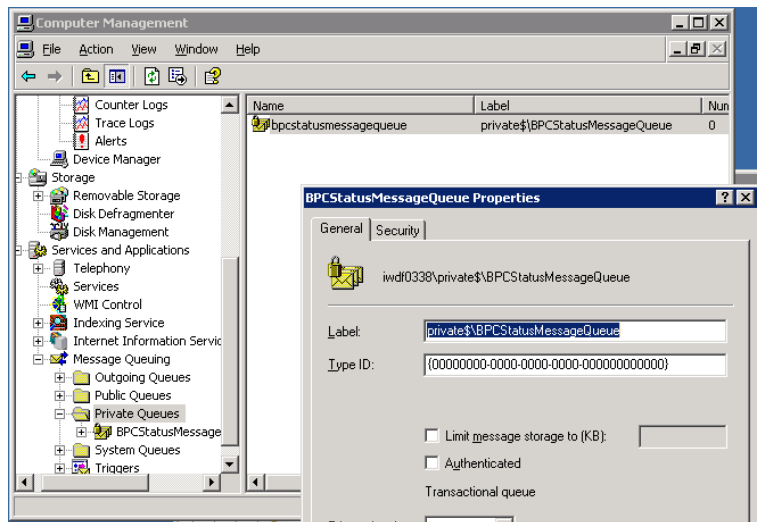
Note: In SP01 it is mentioned to check Transactional option. This is the difference between SP01 and SP02 regarding Microsoft Message Queue.



50. Right click on the queue to get the address of the queue in properties window.

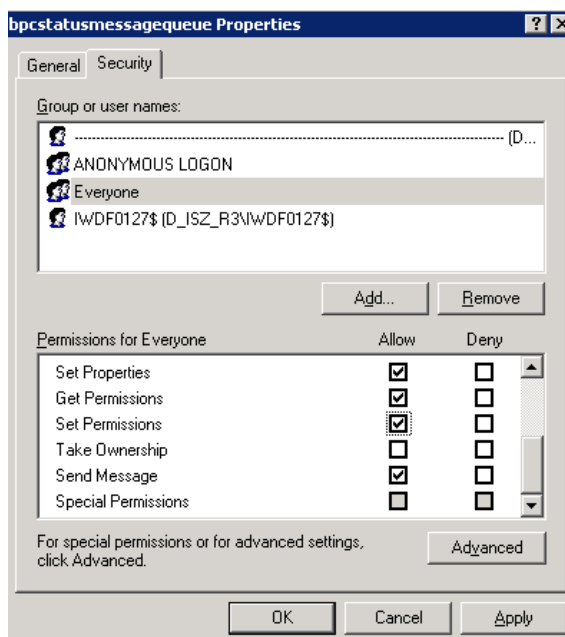
Here it is:  
<ServerName>\private\$\BPCStatusMessageQueue

Note it down as you will need it during BPC .net part installation.



51. Under Security section, assign the permissions for "Everyone" group as mentioned in the installation guide.

Receive Message  
Peek Message  
Get Properties  
Set Properties  
Get Permissions  
Set Permissions  
Send Message

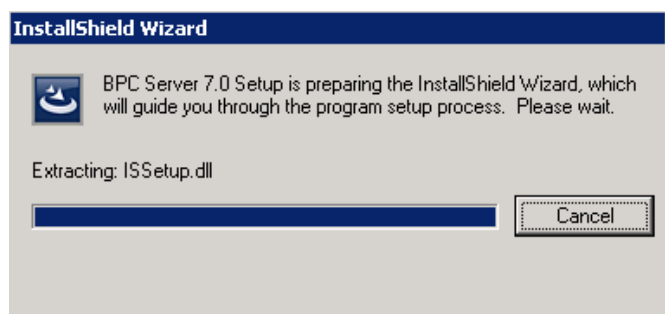
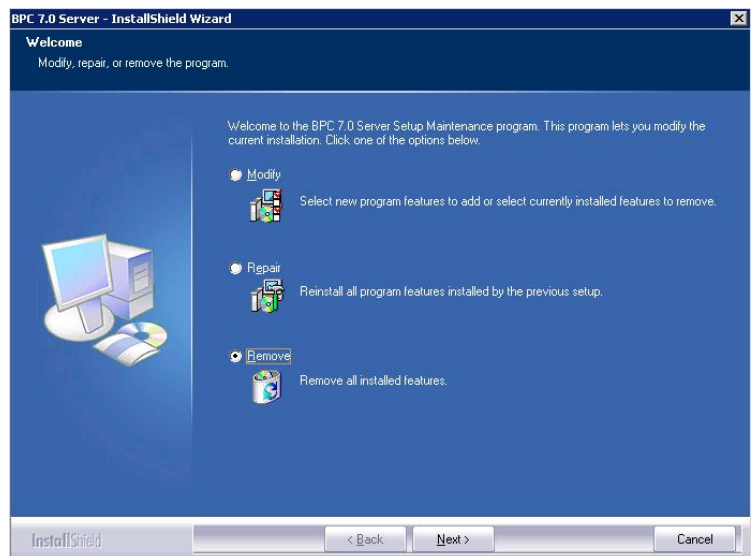


52. Start the installation of the .NET-server part:

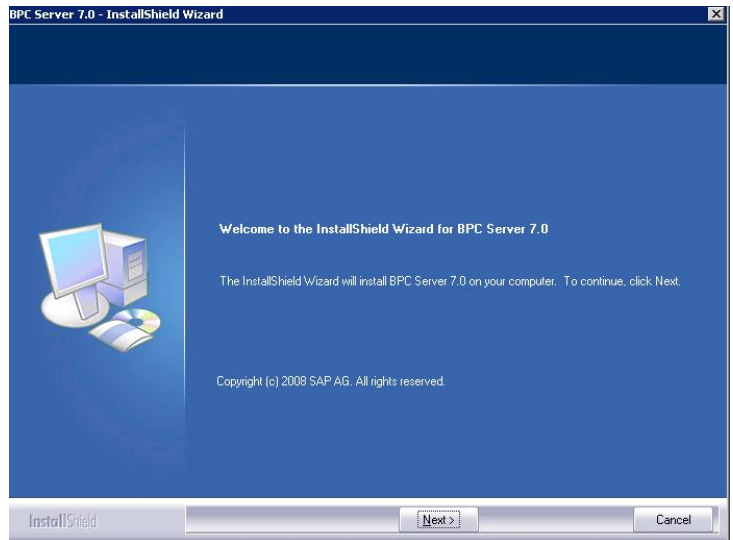
**NOTE:** It is required to uninstall previous versions first. The correct procedure is:

- If your current BPC version is SP00 (with or without patch 1), in order to make sure all the DLLs are unregistered, you need to use the SP00 patch 2 (BPCSERVER00 2-20004356.EXE file) installer to perform this uninstall. You can double click the SP00 patch 2, choose “Remove” and Click “Next”.
- For BPC 7.0 SP00 Patch 2 or SP01, to uninstall the .NET server and client components, use the patch installers available in Control Panel > Add/Remove Programs.

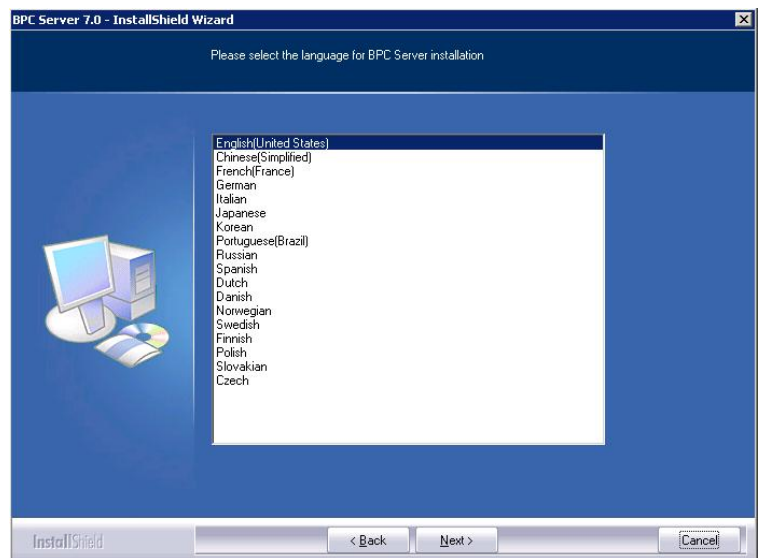
53. After uninstall, double click BPCSERVER02\_0-10005010.EXE to install BPC SP02.



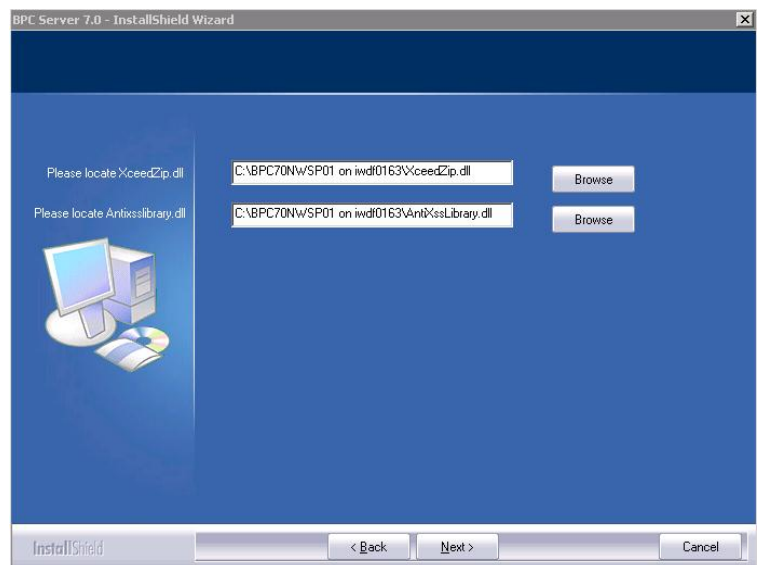
54. Click Next.



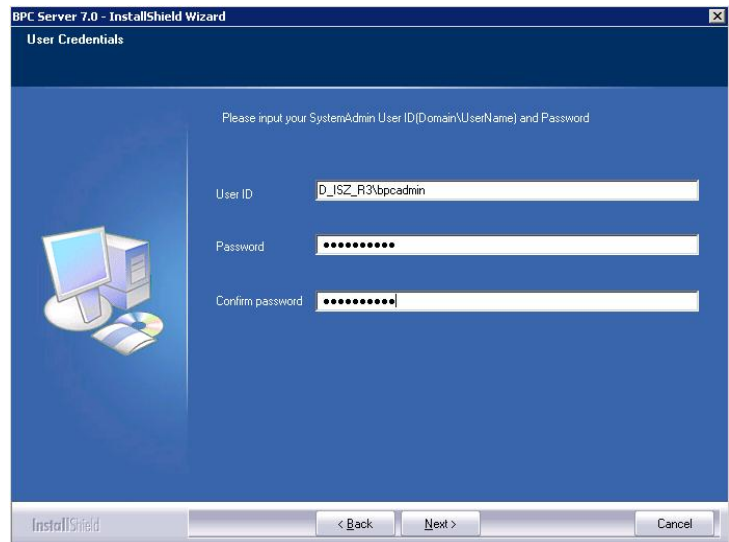
55. Choose Language English and then click Next button.



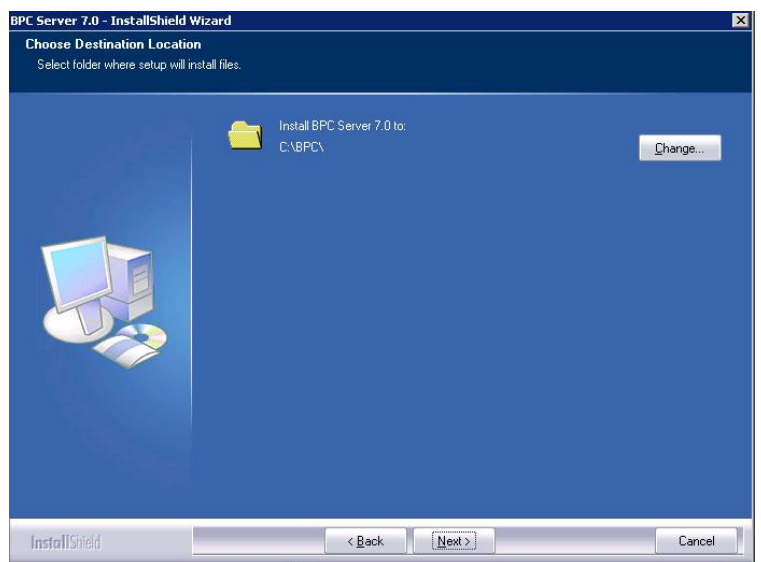
56. Locate AntiXssLibrary and XceedZip.



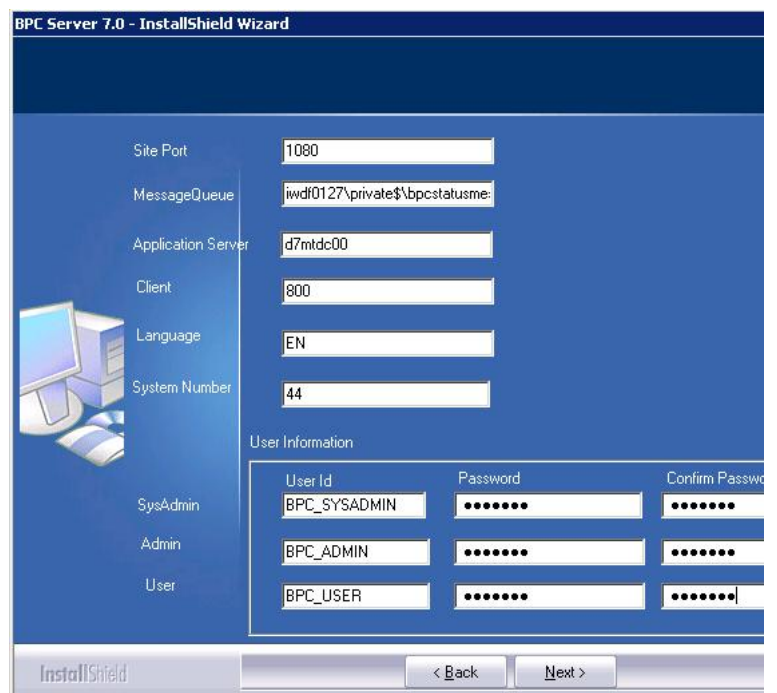
57. After entering your company name, enter the Domain\UserId (installation user) and password.



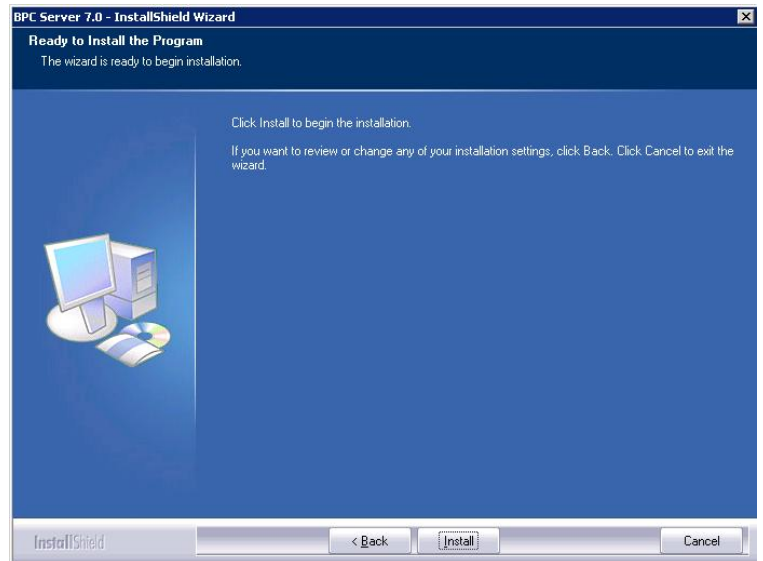
58. Locate the server installation.



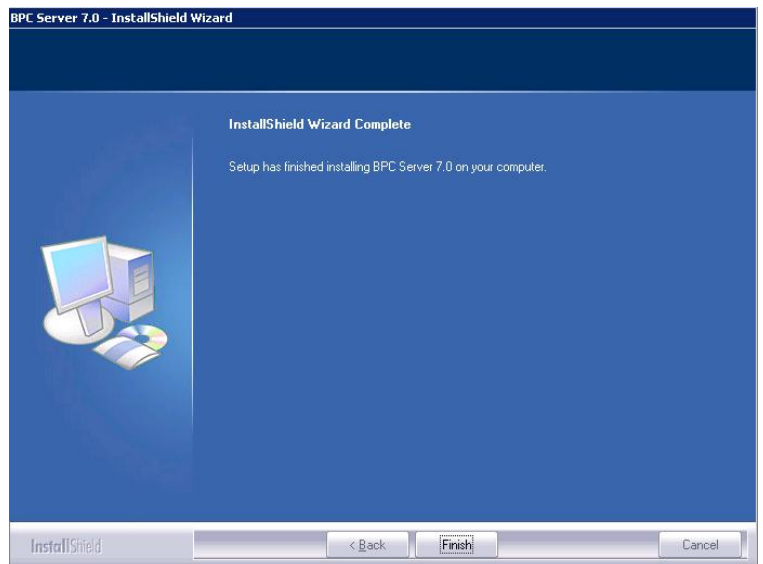
59. At the next screen enter the Site Port number (which you reserved for BPC site) and then enter NW system details, the details of the system can be found in the SAP GUI. Ensure that the service users in ABAP are not locked in SU01 and enter the complete MessageQueue name (here it is <ServerName>\private\$\BPCSTATUSMessageQueue).



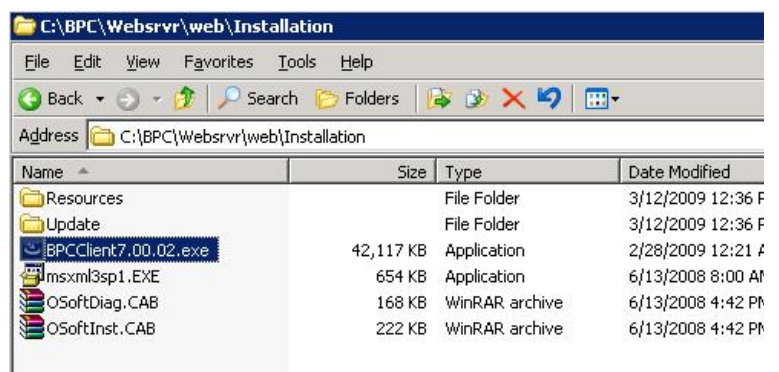
60. Click on next and start the installation.



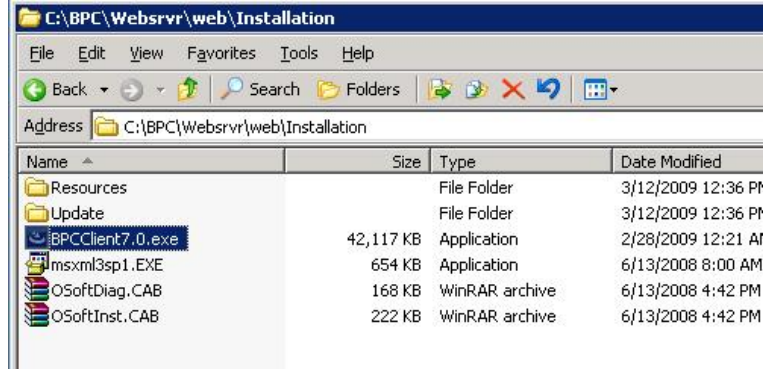
61. After successful installation click Finish.



62. Here before you install BPC client, go to this directory after the server installation and rename the BPCclient7.00.02.exe to BPCclient7.0.exe.

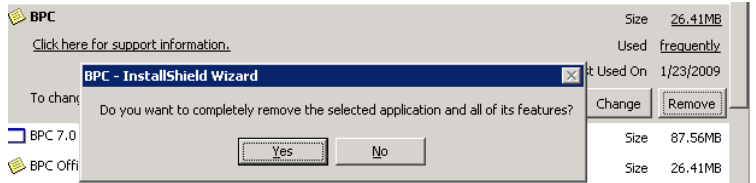


63. This is a bug and development will provide a fix soon. Till then this manual step need to be done otherwise the client cannot be installed from BPC web page.

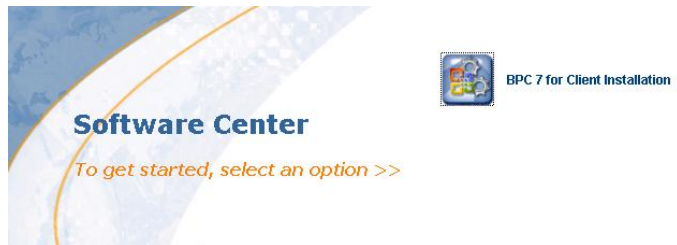


64. Client installation:

Uninstall existing clients.

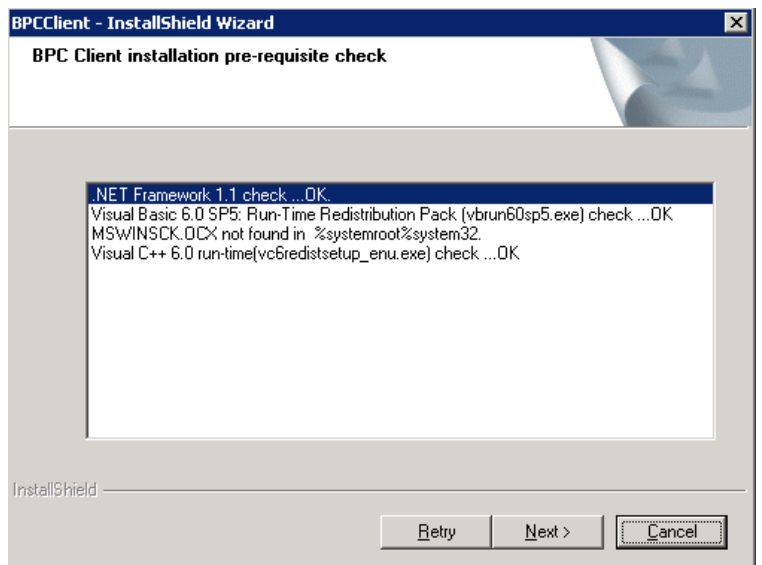


65. Install admin and excel clients with the software center.

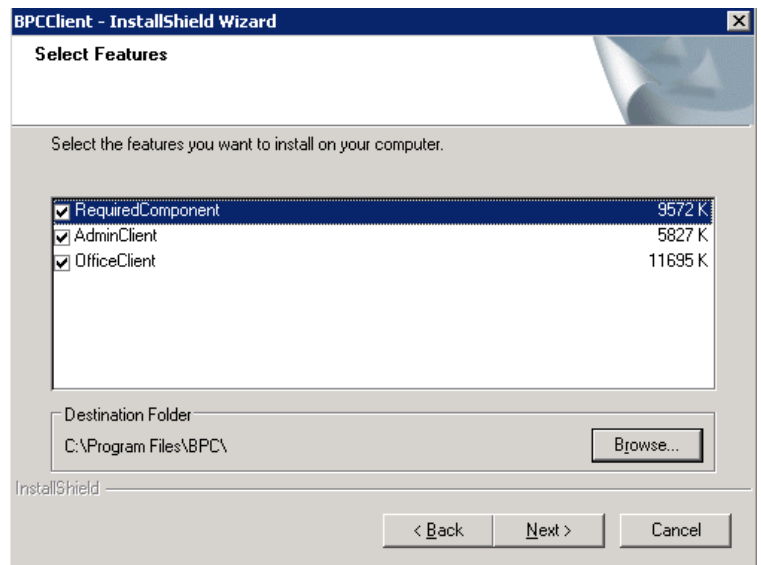


66. Run client pre-requisite check

Put MSINSCK.OCX into the right folder, if needed. Note: Get this file from Google if it is not available in Service Marketplace.



67. Install all components.

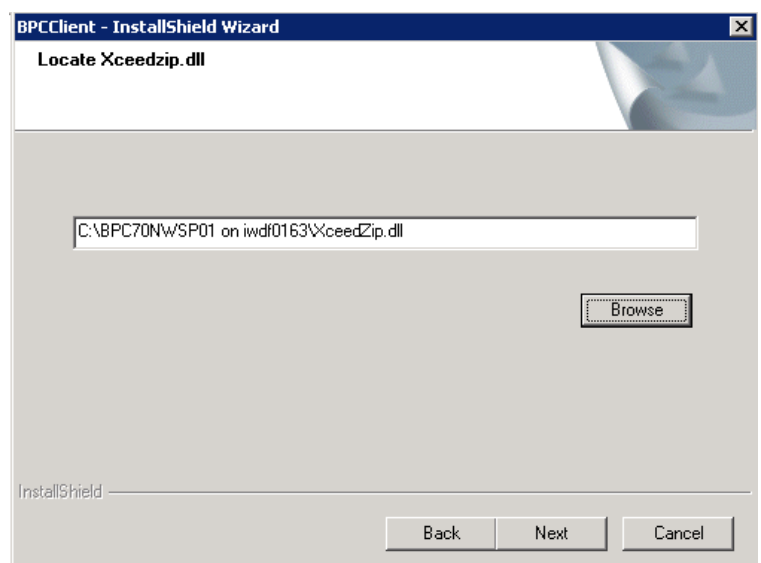


68. Choose the language.

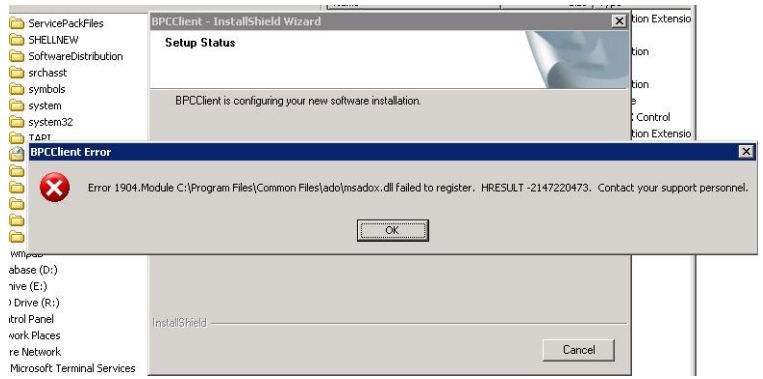


69. Locate Xceedzip.dll

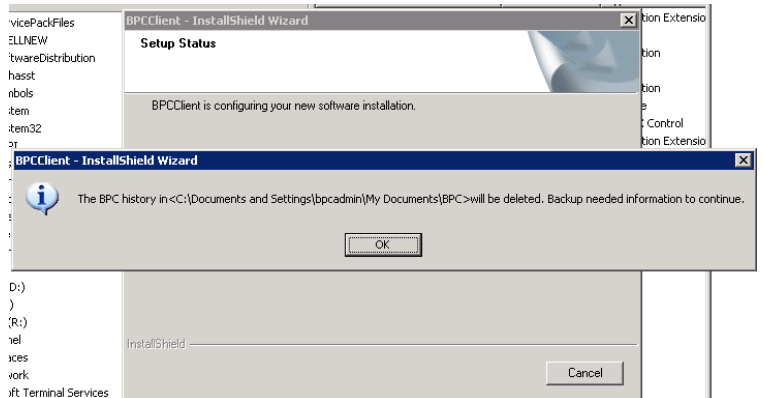
Enter User and Domain of the User and start the installation.



70. Click on OK.



71. OK.



72. Finish

Restart PC

Do some basic tests.

Finalize the installation with your application specific tests based on your application specific test cases, which you should have from your application development.

[www.sdn.sap.com/irj/sdn/bpx-cpm](http://www.sdn.sap.com/irj/sdn/bpx-cpm)