

Upgrading from SPS 2003 to MOSS 2007 Beta2 TR using the gradual approach

Warning – I have been very hesitant to post these directions. Why? Because they make it seem very simple to upgrade from 2003 to 2007. While at the core it can be an easy process in reality there is a lot of planning and decision making you need to do before you ever sit down with this guide. In class it is taking me hours of lecture just to present all of the options and reasoning to the students. How much time have you spent planning to this point? Here is a quick list of some of the topics we cover.

- Which method are you going to use? Gradual, In place, or database migration?
- Do you have a communication plan in place? For who? Your content managers? Users?
- If gradual do you have a new URL planned and setup?
- Is your hardware strong enough? The hardware specs have gone way up from v2.
- What type of farm do you have now? Are you upgrading to the same farm type?
- Do you have any custom site definitions? Have you created mapping files for them?
- Do you have unhosted pages? Do you know what you are going to do with them?
- Are you using 3rd party web parts? Will they work with v3? What about custom web parts you wrote?

Anyway, you get my drift. This process is way tougher than just getting your portal upgraded. And I am not trying to scare you I just would feel responsible if I didn't let you know some of the other challenges you will have. Ok. A couple of my quick points and then the directions begin.

This step by step guide will hopefully help you to go from a SharePoint Portal Server 2003 with Service Pack 2 to Microsoft Office SharePoint Server 2007 Beta 2 Technical Refresh. The environment that I am using to create this instructions are as followed.

- Windows Server 2003 Standard i386 running Active Directory and DNS
- SharePoint Portal Server 2003 with SP2
- SQL Server 2000 SP4

I am also using [SNAGIT 8](#) from TechSmith for screen captures

The concepts, environment, and my learning curve have all come thanks to [SharePoint Solutions](#). I am part of the team that has created and is delivering their [Upgrading From SharePoint 2003 to SharePoint 2007](#) course.

For more information on beta 2 TR check out my previous [post](#).

For Microsoft instructions on upgrading from 2003 to 2007 check out Installing [Microsoft Office SharePoint Server 2007 for Beta 2 Technical Refresh](#) from Microsoft.

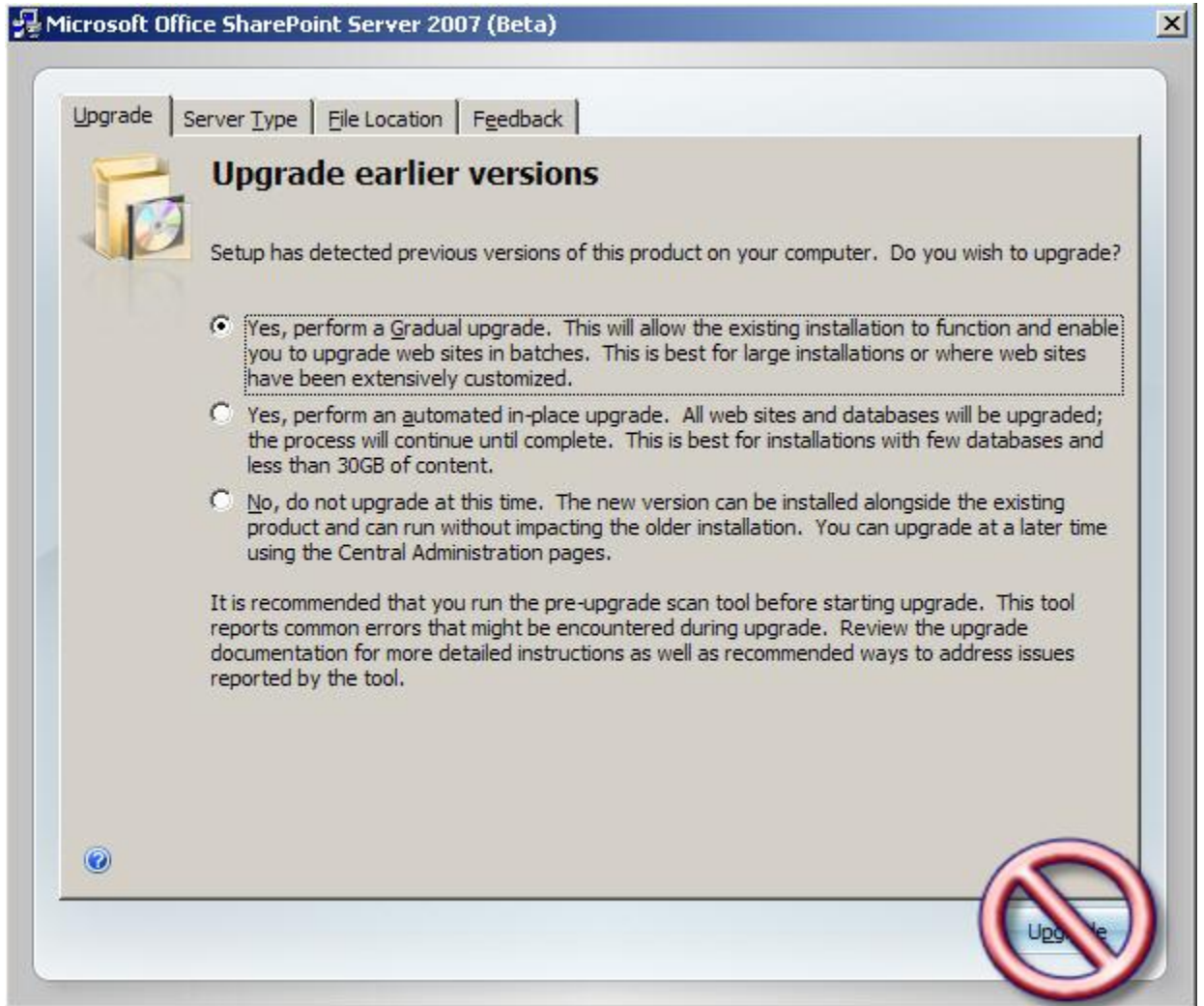
1. Download [Microsoft .NET Framework Version 2.0 Redistributable Package \(x86\)](#)
2. Install .NET 2.0 by running dotnetfx.exe that you just downloaded.
 - a. At the welcome screen click Next
 - b. At the EULA screen click I accept and Install
 - c. The install will now run for several minutes and will give you a message when it finishes
3. Download the [Windows Workflow Foundation Runtime Components Beta 2_2\(EN\) for x86.exe](#)
4. Install Windows Workflow Foundation Runtime Components Beta 2_2(EN) for x86.exe that you just downloaded
 - a. Click Yes at the warning message as long as you don't have a previous copy of Windows Workflow installed. Odds are you do not. If you are unsure you can check for it in Add Remove Programs and if you do then click No and uninstall it before continuing.
 - b. At the License Agreement screen click Yes
 - c. After a minute or so you will get a message about viewing the license. Click OK and the WWF 2.2 install is complete
5. Now you need to download Beta2 for Office SharePoint Server. To do this you must [register](#).
6. Once you have beta 2 expand the files to your hard drive. In my example I create a folder c:\moss and extracted all of beta 2 to this folder.
7. Download [SharePoint Server 2007 Beta 2 Technical Refresh](#)
8. Now you need to extract this patch into the c:\moss\updates folder by running
 - a. officeserver2007b2tr-kb000000-x86-fullfile-en-us.exe /extract:C:\MOSS\Updates
 - b. accept the license message and click continue
9. Download [Windows SharePoint Services 3.0 Beta 2 Technical Refresh](#)
10. Now you need to extract this patch into the c:\moss\updates folder by running
 - a. WSSv3b2tr-kb000000-x86-fullfile-en-us.exe /extract:C:\MOSS\Updates
 - b. accept the license message and click continue
11. If you have done everything correctly you should have a folder that looks like this

Address		c:\moss\updates\			
Name	Size	Type	Date Modified	Attributes	
README.TXT	1 KB	Text Document	5/23/2006 1:09 AM	A	
beta2srv_eula_unicode.txt	21 KB	Text Document	7/20/2006 6:54 AM	A	
dlc.msp	1,565 KB	Windows Installer P...	8/26/2006 2:45 PM	A	
dlcapp.msp	818 KB	Windows Installer P...	8/26/2006 2:45 PM	A	
dlcmui.msp	894 KB	Windows Installer P...	8/26/2006 2:47 PM	A	
ifsmui.msp	1,239 KB	Windows Installer P...	8/26/2006 2:47 PM	A	
ifswfe.msp	3,634 KB	Windows Installer P...	8/26/2006 2:45 PM	A	
lpsrvmui.msp	383 KB	Windows Installer P...	8/26/2006 2:47 PM	A	
lpsrvwfe.msp	808 KB	Windows Installer P...	8/26/2006 2:46 PM	A	
oserver.msp	804 KB	Windows Installer P...	8/26/2006 2:46 PM	A	
osrchapp.msp	95,066 KB	Windows Installer P...	8/26/2006 2:46 PM	A	
osrchmui.msp	1,918 KB	Windows Installer P...	8/26/2006 2:47 PM	A	
osrchwfe.msp	11,791 KB	Windows Installer P...	8/26/2006 2:46 PM	A	
osrv.msp	5,642 KB	Windows Installer P...	8/26/2006 2:47 PM	A	
osrvmui.msp	56,228 KB	Windows Installer P...	8/26/2006 2:48 PM	A	
spsmui.msp	2,601 KB	Windows Installer P...	8/26/2006 2:48 PM	A	
spswfe.msp	14,398 KB	Windows Installer P...	8/26/2006 2:47 PM	A	
sts.msp	28,175 KB	Windows Installer P...	8/26/2006 2:53 PM	A	
wss.msp	2,277 KB	Windows Installer P...	8/26/2006 2:53 PM	A	
wssbeta2_eula_unicode.txt	17 KB	Text Document	7/19/2006 8:00 PM	A	
wssmui.msp	3,071 KB	Windows Installer P...	8/26/2006 2:53 PM	A	
xlsrvapp.msp	23,871 KB	Windows Installer P...	8/26/2006 2:47 PM	A	
xlsrvmui.msp	802 KB	Windows Installer P...	8/26/2006 2:48 PM	A	
xlsrvwfe.msp	1,322 KB	Windows Installer P...	8/26/2006 2:47 PM	A	

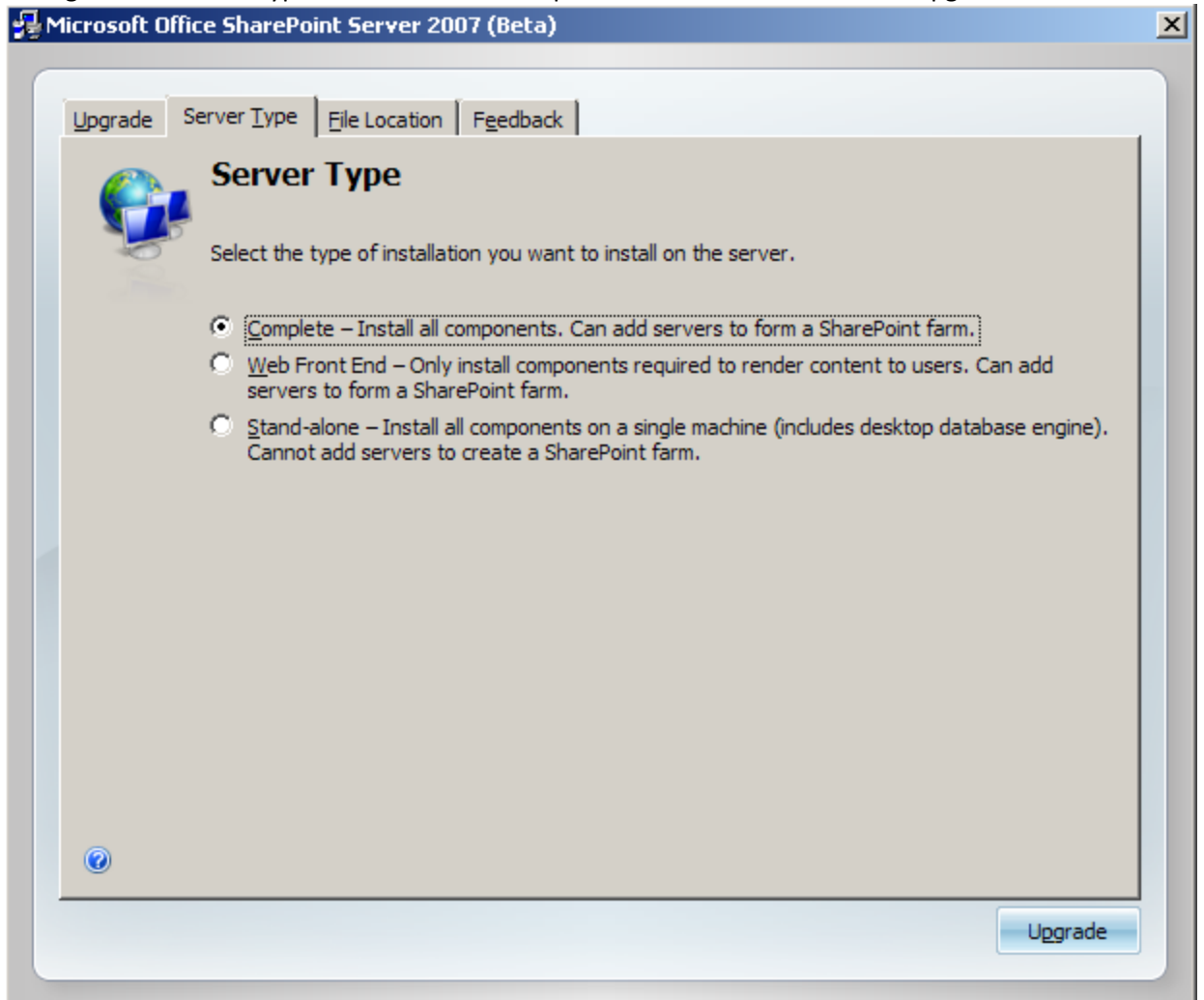
24 objects 251 MB

12. Now you are ready to install MOSS

- a. Navigate to c:\moss and double click setup.exe
- b. Enter your product key and click continue
- c. At License Terms screen check I accept and click Continue
- d. SLOW DOWN! At this screen it is very easy to make a mistake that will cause you a lot of grief so be careful.
- e. First thing to do is to choose your upgrade approach. In my testing (a couple hundred upgrades to this point) I have found that gradual is the best approach to use. It provides maximum flexibility since it will let you run v2 and v3 sites from the same machine side by side. For these instructions we will assume you want to do a gradual upgrade. For more information on the options available check out [Joel Oleson's post](#).
- f. To do a gradual upgrade choose Yes, perform a Gradual Upgrade **DO NOT PRESS UPGRADE**

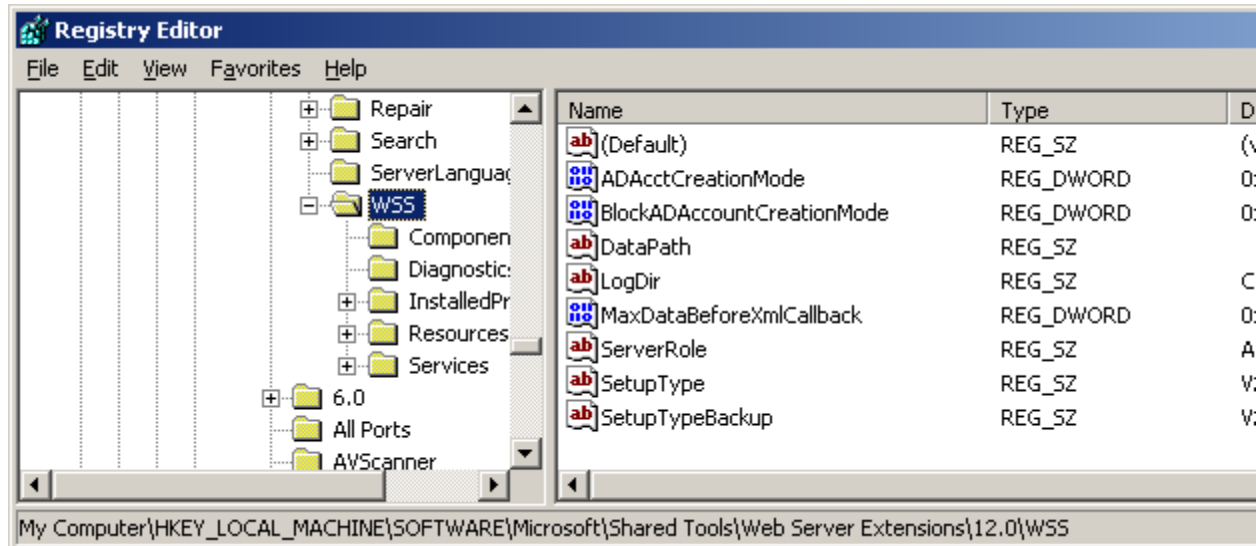


g. Now go to the Server Type tab and choose Complete and now it is safe to click Upgrade



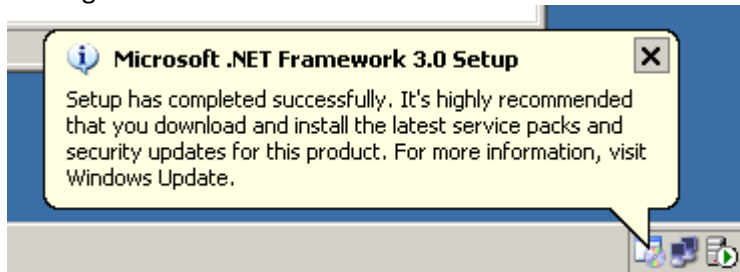
h. Now prepare to wait a few minutes while the bits are actually installed. When it gets to the Applying Updates screen you may feel like the process is hung due to this screen running for several minutes. This is normal behavior. What is going on behind the scenes is Beta2 was fully installed in its normal process. Now setup is automatically installing the technical refresh for you. So you aren't seeing the screens for that but they are being applied automatically at this time. Just be patient.

- i. Finally you get the completion screen. Make sure the box is unchecked to Run the config wizard and click close.
 - j. Odds are you will get a screen that says you must Reboot to complete setup. If you do click Yes.
 - k. If you rebooted log back in when it finishes.
13. If the configuration wizard is open close it now. You will come back to it after a few more steps.
14. Now we need to make a couple of small registry changes. For our example follow step A below for gradual upgrade and then proceed to step 15. If you chose another method choose the step most appropriate for you.
- a. Gradual Upgrade
 - i. Open regedit
 - ii. Navigate to HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Shared Tools\Web Server Extensions\12.0\WSS\
 - iii. Find the key SetupType and modify its value to V2V_GRADUAL_UPGRADE
 - iv. Find the key SetupTypeBackup and modify its value to V2V_GRADUAL_UPGRADE

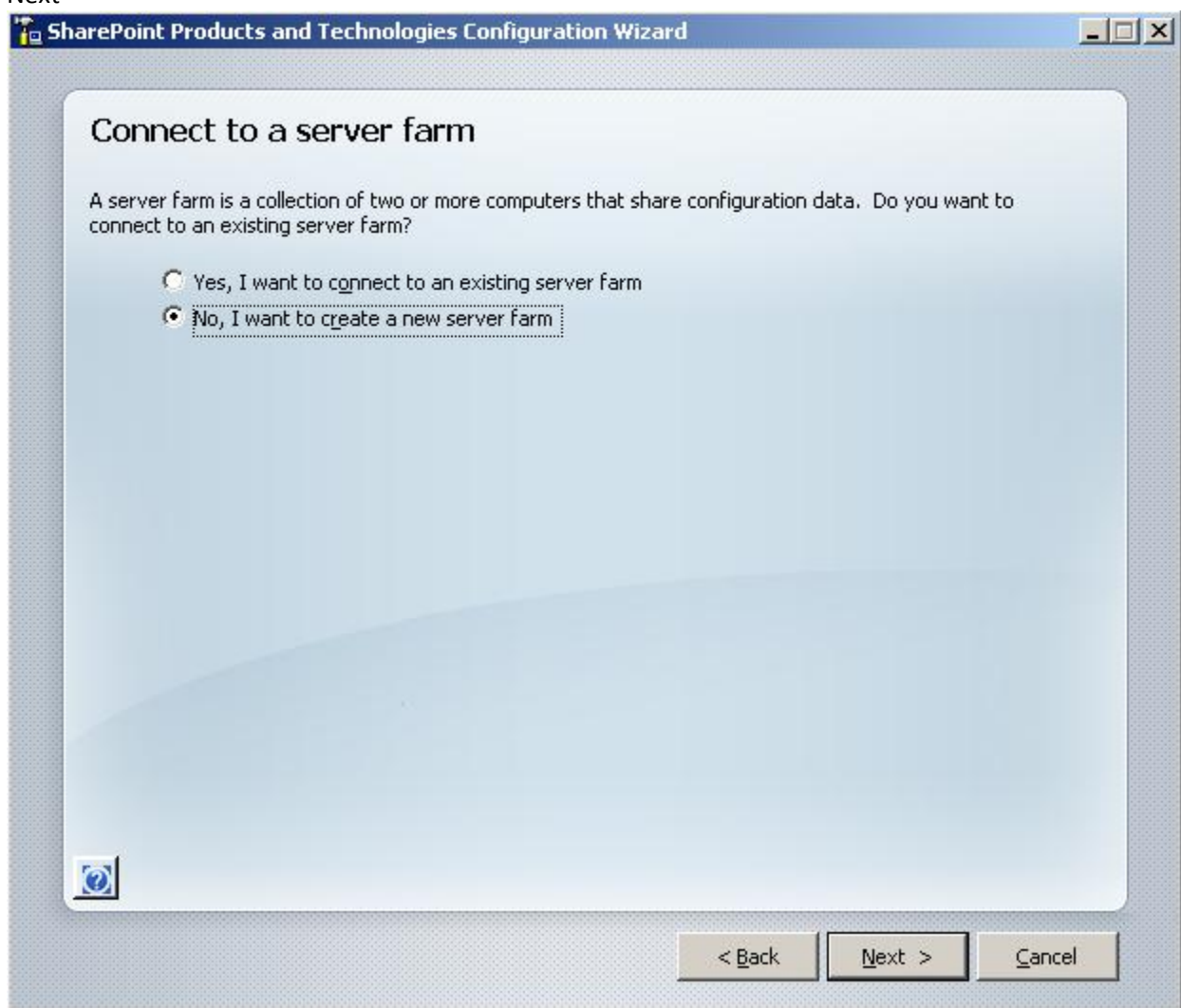


- v. Close the registry editor
 - vi. Go to step 15
- b. Automated in-place upgrade for a typical installation (using MSDE not SQL Server)
 - i. Open regedit
 - ii. Navigate to HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Shared Tools\Web Server Extensions\12.0\WSS\
 - iii. Find the key SetupType and modify its value to V2V_INPLACE_UPGRADE
 - iv. Find the key SetupTypeBackup and modify its value to V2V_INPLACE_UPGRADE
 - v. Add the following registry key HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Shared Tools\Web Server Extensions\12.0\WSS\WmsdeToWyukonUpgrade type DWORD, and set its value to 1
 - vi. Close the registry editor
 - vii. Go to step 15
 - c. Automated in-place upgrade for Single Server with SQL Server or any farm configuration
 - i. Open regedit
 - ii. Navigate to HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Shared Tools\Web Server Extensions\12.0\WSS\
 - iii. Find the key SetupType and modify its value to V2V_INPLACE_UPGRADE
 - iv. Find the key SetupTypeBackup and modify its value to V2V_INPLACE_UPGRADE
 - v. Close the registry editor
 - vi. Go to step 15
15. Open a command prompt
16. Navigate to C:\Program Files\Common Files\Microsoft Shared\web server extensions\12\BIN and run Prescan.exe /c preupgradescanconfig.xml /all
- a. You can review the output here to find unghosted pages and what definitions your sites are using.
17. Close the command prompt
18. Now you need to uninstall the WWF that you installed in step 4
- a. Navigate to Control Panel > Add/Remove Programs
 - b. Find Windows Workflow Foundation near the bottom of the list and click Remove.
 - c. Are you sure? Click Yes.
 - d. Once you are taken back to the Add or Remove Programs screen the uninstall is complete. (This happens very quickly.)
 - e. Close add/remove
19. Download [Microsoft Pre-Release Software Microsoft .NET Framework 3.0 - Release Candidate](#)
20. Install .NET 3.0 Framework
- a. Double click dotnetfx3.exe
 - b. Read the license agreement and click I have read and Accept

- c. Click install
- d. You will notice that the installer minimize to the tray. You need to wait until it finishes and you get message as such.



- e. Once you click the message it will send some anonymous information back to the mother ship. Give it a second to finish.
21. Now we can run SharePoint Products and Technologies Configuration Wizard by going to Start> Microsoft Office Server > and clicking the link.
 22. On the Welcome screen click Next
 23. On the pop up about warning click Yes
 24. On the language pack screen click OK. If you have any language packs to install now would be the time to do it. I can't find a link to any to provide. Sorry.
 25. On the connect to a server farm screen you need to choose No, I want to create a new server farm and click Next



26. Now you need to specify the name of the SQL server and the account password that SharePoint will use. In our example we are SQL is installed on the local server so we will enter the server name and the password.

27. Now you can take the defaults here and click Next. If you wanted to specify the port that Central Administration will use you may do so now. You also have the option to choose Kerberos authentication instead of NTLM. If you are familiar with how to make Kerberos work it is the preferred method. If you have no idea what that is then NTLM will work fine and you don't lose anything.
28. At the Completing screen make sure things look good and click Next.
29. Now sit back and relax. This will take several minutes to process the 11 steps necessary. Once it finishes you will get a Configuration Successful screen where you can click Finish.
30. You will not be automatically taken to SharePoint Central Administration. Here we need to get your farm back to fully functional. The first step is to click on the Operation tab
31. Now click on Services on server under Topology and Services
32. If you look in the server role section will see several options. You need to choose Single Server in our example.
 - a. Now for the options at the bottom we need to get all of them Started. To the right of each one that you need to start you will set Start
 - b. Click start for Document Conversions Load Balancer Service
 - c. Click start for Document Conversions Launcher Service
 - i. For the load balancer select your server name and click ok
 - d. Click start for Excel Calculation Services
 - e. Click start for Windows SharePoint Services Search
 - i. Fill out your service accounts in the form domain\username and the enter password
 - ii. Accept the other defaults and click Start
 - f. If everything looks like below you are ready to continue
33. Now click on the Home tab

You are now ready to go on performing a gradual upgrade. I will save this process and explanation for another day. I am sure if you have gotten to this point you are as tired as I am. This was not a hard process just long and tedious. ☺

If you want to continue on then here is a brief outline of your next steps

- Go back to the operations tab and click on site content upgrade status
- Find your portal and click Begin upgrade
- Once you fill out that screen you will be able to start upgrading sites
- When you go to upgrade your sites remember you always have to upgrade the root site first
 - Sometimes after you upgrade the root site you need an iisreset before you can upgrade another site

One more thing before I let you go. Did you read the warning above? You should go back and read that. There is still a lot to do, you just finished the easy part. ☺

Have fun!

Shane – [SharePoint Help](#)