

Description: PortalWorX based on SharePoint 2010 and its native Silverlight web parts

OS Requirement: Windows Server 2008R2 or x64, Microsoft SQL Server 2008R2

General Requirement: SharePoint 2010 installation, IIS 6.0 or higher, Installation of AnalytiX

Introduction

This document will describe how to correctly install Microsoft SharePoint 2010 and create your own website. You should turn off your firewall and set the UAC to the lowest level before installation. You should also install AnalytiX to have the web parts ready and the virtual folder set up.

Installing SharePoint 2010

- Before we start with own installation we have to create a new user account .For this installation you should use 2 local accounts in order to be compliant with the least privilege administration policy. This policy requires service accounts not to be administrator of any server of a farm, and that each service or process runs using a distinct account.
- Create this account and configure it in order password never expires, for example name can be SPS_Farm. Also go to SQL Server Management Studio and set to this user all rights inside Server Role properties.

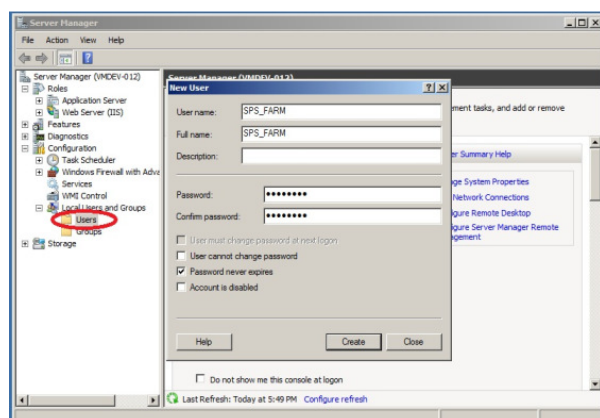


Figure 1 – Prerequisites installation

- Now double click the installation package you have downloaded into your computer to launch the installation of Microsoft SharePoint Server 2010.

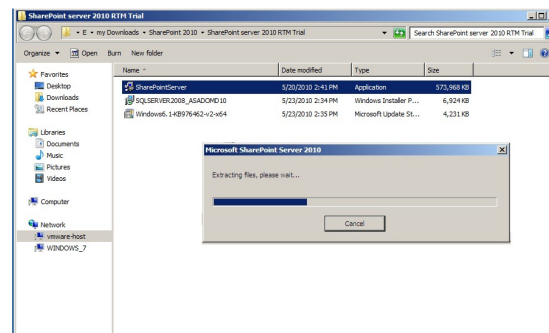


Figure 1 – SharePoint 2010 installation

- The SharePoint 2010 installation Wizard is opening
- Click the "Install Software Prerequisites" in order to update, complete and check the previous preparation described in the previous sections of this post. The Microsoft SharePoint Product and technologies 2010 Preparation Tool is opening.

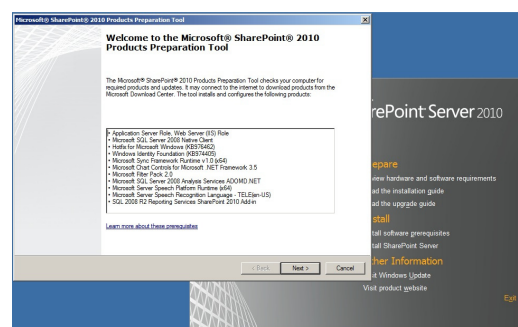


Figure 2 – Prerequisites installation

- Accept the license agreement
- You should get a notification of successful installation if you followed the operations previously described. Click Finish to complete the installation.
- Now we will go back to the SharePoint 2010 Installation wizard, click the "Install SharePoint Server" link. You will then be asked whether you want to install as "Stand-alone" or "Server Farm". Choose the "Server Farm". The launched wizard will also require the product key. Fill this key and continue. Then you have to accept the terms of the license agreement to be able to continue.
- Choose the complete installation as is shown in Figure 6.

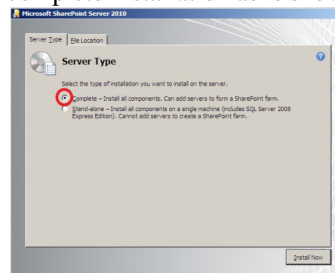


Figure 6 – Complete installation

10. When the installation of the SharePoint files is finished you will be asked to continue with the SharePoint Products Configuration Wizard.

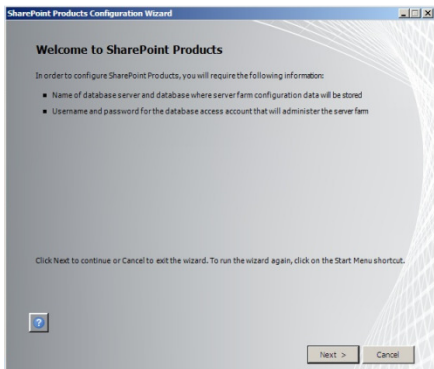


Figure 7 – Do not continue wizard

11. Do not continue with the Wizard but cancel it otherwise you will have an issue due to the current installation described in this post. In the SharePoint 2010 version, you are not allowed as before to mount a Farm installation on a single machine using local accounts. If you had continued with the wizard you would have been stopped in the configuration by the following issue: The specified user Administrator is a local account. Local accounts should only be used in standalone mode.

Creating SharePoint 2010 Database

12. Open the SharePoint 2010 Management Shell from Windows Start menu and Microsoft SharePoint 2010 Products.
13. Type the following command into the window:
New-SPConfigurationDatabase
14. Run the command by pressing the Enter Key.
15. The Shell will ask you for the database name choose any name, for example *SharePoint_Config*. For the database Server name type the name of your computer.
16. You will be then prompt for the system account credential. In our case to go fast and not start explaining the "least privileges administration policy" just type the administrator login and password by which you are logged with. Please put the machine name (or IP address) followed by a \ before putting your user name in the login.
17. Then you are asked for a passphrase. You can use *P@ssw0rd* that matches the security policies required. This passphrase will be asked when you will add a new server to the SharePoint Farm. Close the window.
18. Now we will open SharePoint 2010 Products Configuration Wizard from Windows Start menu.
19. Let the option "Do not disconnect from this server farm" checked and click Next.

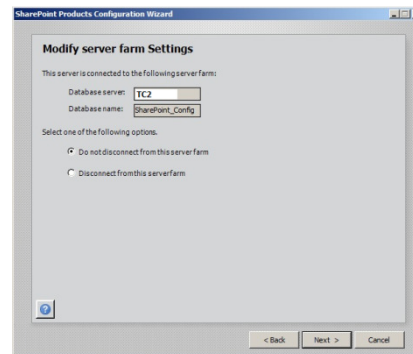


Figure 9 – Do not continue wizard

20. Then you will be prompted to choose the Central Administration Site port number. You can set it for example to 55555.
21. Let the default NTLM value for the "Authentication provider", Kerberos requires network configuration we cannot perform in the current environment anyway. Click Next.
22. The wizard will summarize your choices. You can click Next to continue. You should see configuration progress and finally, the "configuration Successful" dialog summarizes your configuration again and informs you that the central Administration of SharePoint 2010 will be launched when you close it.
23. When you click "Finish" to close the wizard, the Central Administration Site is opening, and you are prompted for credentials
24. Insert the login and password by which you are now logged in on your computer



Figure 10 – Home page

Creating your first site in SP 2010

25. On the default page of the SharePoint 2010 Central Administration, click the "Manage Web Application" link in the "Application Management" section
26. On the "Manage Web Application" page click the "New" menu entry then click "New Web Application"

27. Create it on “New IIS web site” (give it a name) || the default IIS web site. Set the port number to other than port 80 since 80 is used for the default site for many other Genesis64 applications. Leave the security options as is, and name your website. Use the application pool to “Create new application pool” and give it any name, then give the database name any name you want.
28. Click “OK” to close the wizard and to be taken back to the Web Application Management Page where you can see the new SharePoint 2010 Web Application.
29. From the Web Application Management Page click the “Application Management” link in the left menu in order to proceed to the creation of your first SharePoint 2010 Site Collection.
30. Then, click the “Create site collections” link under the “Site Collections” section. You are taken to the “Create Site Collection” page. Give it any title you like and choose ‘Team Site’ template. Add the Primary Site Collection Administrator as the administrator account and the Secondary Site Collection Administrator to be the new user account that you created before installing SharePoint. Leave the rest as is, then click OK.
31. Then you are prompted on that the site was created successfully. When clicking on this site link, you can display your first SharePoint 2010 site.

Creating sample view for your portal

32. At first you need to add ICONICS Web Parts in administration settings. You should run SharePoint 2010 Management Shell as an administrator and type in:
Stsadm -o addsolution -filename “C:\Program Files\ICONICS\GENESIS64\WorkbenchSL\IcoWebParts.wsp”
33. Open your Central Administration page and go to Central Administration → System Settings → Manage Farm Solution. In there, you should see ‘icowebparts.wsp’. Click on it and then select ‘Deploy Solution’. Make sure you choose to the appropriate site to deploy the web parts to. Click OK.
34. Now go to your created website page (http://machine_name:port_number/), go to Site Actions (top left of page) → Site Settings → Site Collection Administration → Site Collection features, there click on Activate button for ICONICS Silverlight web part.
35. You are all set to add any ICONICS web parts to your portal.
36. To add for example Energy AnalytiX web part into your web application open your created portal, for example <http://t2:1111> and click on Toolbar Page where you click on Edit page button as you can see in next Figure.

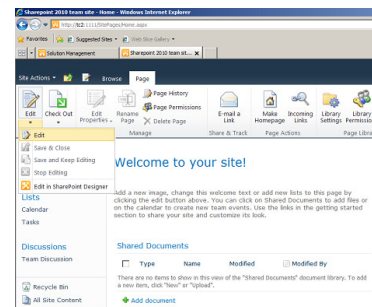


Figure 11 – Edit web site

37. Now when you click on Edit menu item, new Tab called Editing Tools will be added. Select Insert sub tab and click on Web Part to and new one as you can see in Figure 12.

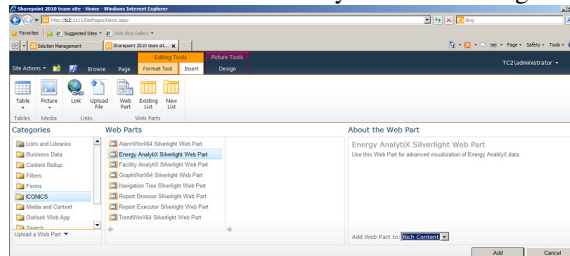


Figure 10 – Editing Tools/Insert/Web part

38. Here you will simply find the ICONICS category and select web part you want to use, here we took for example Energy AnalytiX.
39. Click Add button and your web part is added, you can also set down in menu, where this web part should be placed.
40. As soon as you have added any web part, the properties menu will be shown and you can set what you need

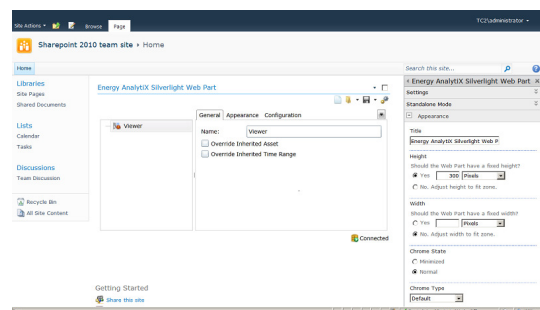


Figure 10 – Editing Tools/Insert/Web part

41. For changing setting of your web parts you just simply click on the small arrow, placed next to the title of you web part.