PortalWorX64
SharePoint 2010 Integration

APPLICATION NOTE

September 2013

Description: PortalWorX64 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 package, IIS 6.0 or higher, Analytix installation, Silverlight 5 or higher installed

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

1. Launch the installation of Microsoft SharePoint Server 2010.

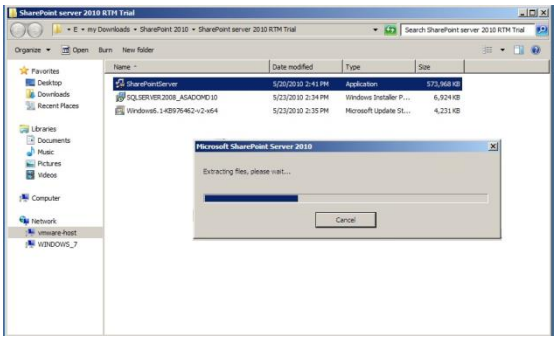

Figure 1 - SharePoint 2010 installation

2. In The SharePoint 2010 installation Wizard click the "Install Software Prerequisites". The Microsoft SharePoint Product and technologies 2010 Preparation Tool will open up.

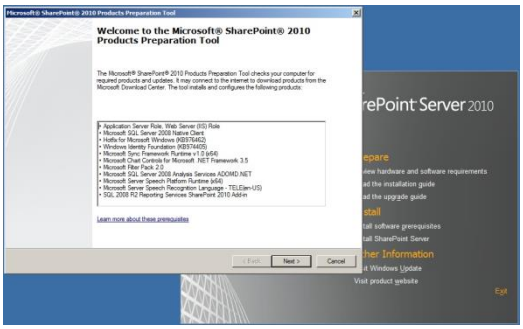

Figure 2 - Prerequisites installation

3. Accept the license agreement
4. You should get a notification of successful installation. Click Finish to complete the installation.
5. Now we will go back to the SharePoint 2010 Installation wizard, click the "Install SharePoint Server" link. 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.
6. 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.
7. Choose the complete installation as is shown in Figure 3.

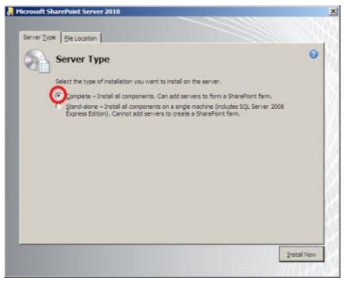

Figure 3 - Complete installation

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

Figure 4 - Do not continue wizard

9. Do not continue with the Wizard but cancel it otherwise you will have an issue due to the current installation. 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

1. Open the SharePoint 2010 Management Shell from Windows Start menu and Microsoft SharePoint 2010 Products.
2. Type the following command into the window:

   New-SPConfigurationDatabase

3. Run the command by pressing the Enter key.
4. 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.
5. You will be then prompted for the system account credential. Type the administrator login and password by which you are logged with. Make sure to put the machine name (or IP address) followed by a \ before putting your user name in the login.
6. Then you are asked for a passphrase. You can use *P@ssw0rd* that matches the security policies required.
7. Wait until the task is finished and that there are no errors. Close the window.

   NOTE: This passphrase is necessary for adding a new server to the SharePoint Farm, which is not in the scope of this material.

8. Now we will open SharePoint 2010 Products Configuration Wizard from Windows Start menu.
9. Let the option "Do not disconnect from this server farm" checked and click Next.

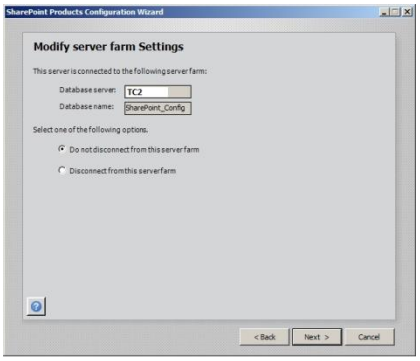

Figure 5 - Do not disconnect from this server

10. Then you will be prompted to choose the Central Administration Site port number. You can set it for example to 55555.
11. Let the default NTLM value for the "Authentication provider", Kerberos requires network configuration which is out of the scope of this document. Click Next.
12. 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.
13. When you click "Finish" to close the wizard, the Central Administration Site opens, and you might be prompted for credentials. Insert the login and password by which you are now logged in on your computer

Figure 6 - Home page

Creating your first site in SP 2010

1. On the default page of the SharePoint 2010 Central Administration, click the "Manage Web Application" link in the "Application Management" section
2. On the "Manage Web Application" page click the "New" menu entry then you might need to click "New Web Application" otherwise a new dialog will open up immediately.
3. Do not use the default IIS web site. Create it on “New IIS web site” with a name of your preference. Set the port number to other than port 80 since 80 is used for the default site for many other applications and you may break their functionality. Leave the security options as is, but make sure to use NTLM and name your website. Use the application pool to “Create new application pool” and give it any name. Then give also any name you want to the database.
4. 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.
5. 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.
6. 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 a template. For the purposes of this document we selected 'Team Site' template. Add the Primary Site Collection Administrator as the administrator account and optionally you may also add the secondary administrator. Leave the rest as is, then click OK.

7. 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

1. 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"

2. Open your created portal (http://machine_name:portnumber) and go to Central Administration → System Settings → Manage Farm Solutions. 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.
3. Back to your Central administration page, 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 Parts.
4. Now go to your created website page (http://machine_name:port_number/), and repeat the previous step. 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 Parts.
5. You are all set to add any ICONICS web parts to your portal.
6. To add for example Energy AnalytiX web part into your web application open your created portal, for example http://t2:1111 and click on Page tab where you click on Edit button as you can see in next Figure.

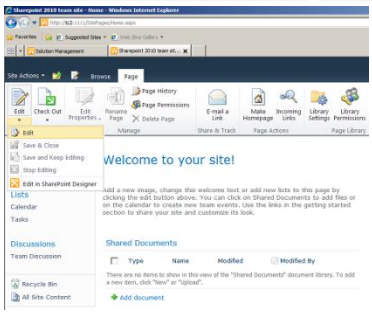

Figure 7 - Edit web site

7. Clicking on the Edit menu item will bring a new Tab called Editing Tools. Select Insert sub tab and click on Web Part to add new one as you can see in Figure 8.

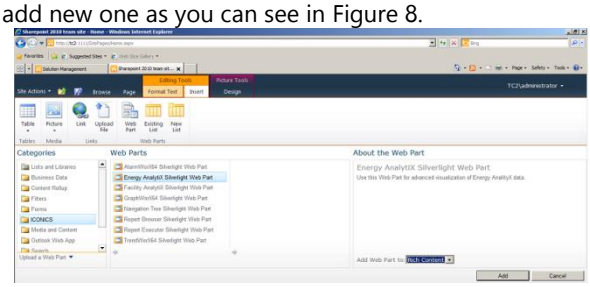

Figure 8 - Adding Web part

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

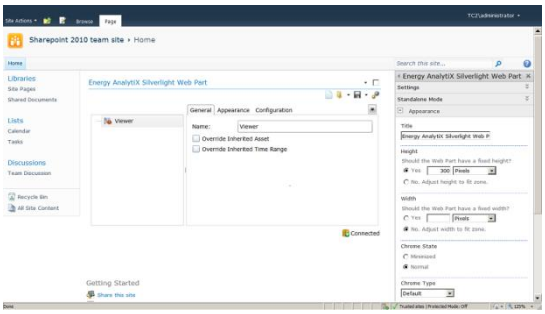

Figure 9 - Editing Web part

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