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SharePoint 2010 Prerequisites

The prerequisites for SharePoint 2010 are what I would consider very beefy. This is some information that I've found that has been very useful in planning for a SharePoint 2010 set-up:

First off – here are the server specifications:

Windows Server 2008 R2 that is 64 bit or
Windows Server 2008 SP2

Below are the SQL Server specifications:

Microsoft SQL Server 2008 64 bit with Service Pack 1 and Cumulative Update 2 or
Microsoft SQL Server 2008 R2 64 bit or
Microsoft SQL Server 2005 64 bit with Service Pack 3

One interesting item of note is to consider capacity planning in the form of number of users, number of concurrent users etc. The following site is useful in the planning process: <http://technet.microsoft.com/en-us/sharepoint/ff601870.aspx>

Additionally, the following Microsoft document is useful where planning for what type of topology should be set-up:

<http://www.microsoft.com/downloads/en/details.aspx?FamilyID=fd686cbb-8401-4f25-b65e-3ce7aa7dbeab&displaylang=en>

Thus, the topology document provided useful in how to plan out a farm based on the number of users that were going to use the system. Also, this case study was very interesting and although larger than what I was building out – it had many areas of interest: <http://technet.microsoft.com/en-us/library/ff758652.aspx>

During the install process the SharePoint 2010 install automatically ran a pre-reg checker and let me know what the server I was installing on needed. However, the server I was using didn't have outbound access to the Internet so I couldn't automatically install the needed files. Instead I sucked it up and down loaded the necessary pre-reqs one at a time and installed them manually. This although a bit time-consuming, enabled me to learn a ton:

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Here is what I utilized (I've also listed out the link for SQL Server 2005 as a FYI):

.Net Framework 3.5 SP1 KB959209 KB967190

Article:

<http://support.microsoft.com/kb/959209>

Download (In my case I download the 64 bit Full Family for Windows Server 2008):

<http://www.microsoft.com/downloads/details.aspx?familyid=CB8395F9-6D70-4C94-8430-AAE7C08FDCC2&displaylang=en>

KB971831 - FIX: A hotfix that adds a SecurityBindingElement.AllowInsecureTransport property that allows the mixed-mode secured message to be sent over an unsecured transport in WCF is available for the .NET Framework 3.5 SP1

Article:

<http://support.microsoft.com/kb/971831>

Download:

<http://code.msdn.microsoft.com/Project/Download/FileDownload.aspx?ProjectName=KB971831&DownloadId=7285>

KB976462 - A hotfix for the .NET Framework 3.5 Service Pack 1 is available for Windows 7 and for Windows Server 2008 R2 as a prerequisite for Microsoft Office SharePoint Server 2010

Download

<http://go.microsoft.com/fwlink/?LinkID=166231>

Microsoft SQL Server 2008 Native Client:

<http://download.microsoft.com/download/3/5/5/35522a0d-9743-4b8c-a5b3-f10529178b8a/sqlncli.msi>

Microsoft "Geneva" Framework Runtime

<http://download.microsoft.com/download/F/3/D/F3D66A7E-C974-4A60-B7A5-382A61EB7BC6/MicrosoftGenevaFramework.amd64.msi>

Microsoft Sync Framework Runtime v1.0 (x64)

<http://download.microsoft.com/download/C/9/F/C9F6B386-824B-4F9E-BD5D-F95BB254EC61/Redist/amd64/Microsoft%20Sync%20Framework/Synchronization.msi>

Microsoft Chart Controls for Microsoft .NET Framework 3.5

<http://download.microsoft.com/download/c/c/4/cc4dcac6-ea60-4868-a8e0-62a8510aa747/MSChart.exe>

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Microsoft SQL Server 2008 Analysis Services ADOMD.NET

http://download.microsoft.com/download/A/D/0/AD021EF1-9CBC-4D11-AB51-6A65019D4706/SQLSERVER2008_ASADOMD10.msi

Filter Pack 2.0 (is part of the enterprise version I utilized) – link is here however:

<http://www.microsoft.com/downloads/en/details.aspx?FamilyID=5cd4dcd7-d3e6-4970-875e-aba93459fbee>

PowerShell V2 RTM

<http://www.microsoft.com/downloads/details.aspx?FamilyId=d37e25cf-db05-4b23-a852-cdf865d81b82&displaylang=en>

SQL Server 2008 Patches

SQL Server 2008 SP1

<http://www.microsoft.com/downloads/details.aspx?familyid=66AB3DBB-BF3E-4F46-9559-CCC6A4F9DC19&displaylang=en>

Cumulative Update for SQL Server 2008 SP1

<http://support.microsoft.com/kb/971491>

Cumulative update package 2 for SQL Server 2008 Service Pack 1

<http://support.microsoft.com/kb/958186>

SQL Server 2005 Patches

SQL Server 2005 SP3

<http://www.microsoft.com/downloads/details.aspx?familyid=AE7387C3-348C-4FAA-8AE5-949FDFBE59C4&displaylang=en>

Cumulative Update for SQL Server 2005 SP3:

<http://support.microsoft.com/kb/967909>