• On the next screen, click Installation on the left to display the installation options. We are then going to select **New Installation or Add Features to an existing installation.**



• On the Setup Support Rules you should be able to just click OK. If you click Show Details it will look something like this...

Setup Support Rule		
Setup Support Rules identify before Setup can continue.	problems that night occur when you instal SQL Server Setup support Nes	Falures must be corrected
ietup Support Rules	Operation completed. Passed: 7. Failed 0. Warning 0. Skippe	d 0.
	Mder.det.adg.<< Yhten.det.aded.report	Berun
	Rul Rule	200
	Minimum operating system version	Encand
	Setup administrator	Exced
	Restart computer	Ensent
	Windows Management Instrumentation (WHE) service	Easted
	Consistency validation for SQL Server registry keys	Easted
	Long path names to files on SQL Server installation media	Escoled
	SQL Server Setup Product Incompatibility	Ensed
		a fant

- Enter your product key then click Next
- Accept the license agreement click Next
- On the Setup Support Files click Install
- On the Setup Support Rules screen, you can see that I have a couple warnings



- The .NET warning is that I do not have Internet access on this computer. Not a problem so I am just moving on.
- The Firewall warning will be ignored as well. I will go back and modify the firewall later.
- I will just click **Next** and move on
- On the Setup Role I will keep the default SQL server Feature installation and click Next
- On the feature selection, I am going to make many changes...



- To use SQL Server 2008 or SQL Server 2008 R2 for the VMM database, SQL Server Management Tools must be installed on the VMM server. I also want to change the default installation location. I am moving it to the E-Drive. I am running in a virtual machine on Hyper-V and the SCSI bus drives are faster than the IDE Bus drives. I also do not like putting a bunch of stuff on the OS drive.
 - Turn On Database engine Services
 - Turn on Reporting Services (If you use reporting services, you will need to setup IIS)
 - Turn on Client Tools Connectivity
 - Turn on Client Tools SDK (I do not think this is needed but I am adding it anyway)
 - Turn on Management Tools Basic
 - Turn on Management Tools Complete
 - $\circ~$ I am also changing the location to my $``{\rm E''}$ Drive

On the Installation Rules you can click "Show Details" if you like then just click Nex

Setup Support Rules	Operation completed. Passed: 6. Failed 0. Warning 0. Skipped 18.	
ietup Role		
eature Selection	Hide details <<	Re-ru
nscanacion reures	View detailed report	
isk Space Requirements		
erver Configuration	Rul Rule	Status
atabase Engine Configuration	SQL Server 2005 Express tools	Passed
eporting Services Configuration	Operating system supported for edition	Passed
rror Reporting	Previous releases of Microsoft Visual Studio 2008	Passed
nstallation Configuration Rules	SharePoint .NET Framework Supported Check	Not applicable
eady to Install	Operating system requirement for SQL Server PowerPivot for Share	. Not applicable
nstaliation Progress Iomolete	User account requirement for Farm administrator	Not applicable
	Internet Information Services version	Not applicable
	64-bit processor	Not applicable
	Single instance requirement	Not applicable
	64-bit operating system	Not applicable
	SharePoint configuration and upgrade check for existing farm	Not applicable
	PowerPlyot for SharePoint check for existing farm	Not applicable
	(a) devotes antennin hed to on the	Rick applicable

- Next is the Instance configuration...
- for this section, I am going to tell the installer to put my instance on my E Drive. If you do not yet have an E drive defined you can add it on the fly. For instructions on how to do this see <u>How To Hot Add Storage To A Hyper-V Guest-Super Simple</u> <u>And No Service Interruption</u>

SQL Server 2008 R2 Setup					-0
Instance Configuration	1				
Specify the name and instance ID	for the instance of SQL Se	rver. Instance ID bec	mes part of the instal	lation path.	
ietup Support Rules	C Default instance				
etup Role	· Named instance:	SCVMM			
lature Selection	-				
istance Configuration	Instance ID:	SCVMM			
sk Space Requirements	Instance root director	F-IProgram	Filer Microsoft SOL Se	ruer)	100
erver Configuration	and an error deetto	it. Patricy an	riespierosoit sige se	(set	1.00
atabase Engine Configuration	COL Capitar dearters	E-Deserver	Electronoft C/H Ce		-
ror Reporting	Reporting Services de	ectory: E:\Program	Files/Microsoft SQL Se	ever/MSRS10_50.5CVMM	
stallation Configuration Rules		Letter a			
eady to Install	Installed instances:	1201000220	1.5		1.000000
stallation Progress	Instance Name	Instance ID	Features	Edition	Version
mplete					
			< Back	Next > C	Cancel Help

- I am not using the default instance for my deployment. You can just leave the defaults if you like to keep things simple. I want to create an instance called SCVMM because this will be dedicated for my SCVMM database. If you do pick your own name make sure **SQL Server name does not contain more than 15 characters**
- Notice I also changed the Instance root folder to my E drive
- Once making any changes you like, just click Next

😫 SQL Server 2008 R2 Setup		_ D X
Disk Space Requireme Review the disk space summary for	ents or the SQL Server features you selected.	
Setup Support Rules Setup Role Peature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Reporting Services Configuration Error Reporting Installation Configuration Rules Ready to Install Installation Progress Complete	Disk Usage Summary: Prove C: 2011 MB required, 53249 MB available System Drive (C:I): 2041 MB required System Drive (C:I): 2041 MB required Shared Install Directory (E:I/Program Files)/Microsoft SQL Server(): 969 MB required Instance Directory (E:I/Program Files)/Microsoft SQL Server(): 971 MB required Instance Directory (E:I/Program Files)/Microsoft SQL Server(): 971 MB required	
	<pre> <back next=""> Cancel</back></pre>	ielp

On the Disk Space Requirements Screen just click Next

Setup Support Rules Setup Role	Service Accounts Collation				
Feature Selection	Microsoft recommends that you use	a separate account for each SQL	Server service.	2	_
installation Rules	Service	Account Name	Password	Startup Type	
instance Configuration	SQL Server Agent	NT AUTHORITY(SYSTEM		Automatic	-
Disk Space Requirements	SQL Server Database Engine	NT AUTHORITY(SYSTEM		Automatic	*
Server Configuration	SQL Server Reporting Services	NT AUTHORITY(SYSTEM		Automatic	
Database Engine Configuration	SQL Server Browser	NT AUTHORITY/LOCAL 5		Automatic	
lamplete	Specify a user name and passwor Account Name NT AUTHORITY Password:	d for all SQL Server service accou	nts.	Browse	
			ОК	Cancel	

• The next screen is the Server Configuration. We need to do a few things here

- If remote SQL Server is running under the Network Service account or a domain account, you must create a Service Principal Name (SPN) for the SQL service as described in article 811889 in the Microsoft Knowledge Base at http://go.microsoft.com/fwlink/?LinkId=88057.
- On the Service Accounts Tab change the SQL Server
 Agent to Automatic startup. The agent is used for backup. Perhaps later I will do

 a blog post on how to setup the agent to perform backups of the databases.
- We are are going to use the same account for all of our services. just click on the Use the same account for all SQL server Services button to bring up a small dialog box. In the Account Name field select NT Authority\SYSTEM then click OK

Database Engine Config	uration	
Specify Database Engine authenticat	on security mode, administrators and data directories.	
Setup Support Rules Setup Role Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Reporting Services Configuration Error Reporting Installation Configuration Rules Ready to Install Installation Progress Complete	Account Provisioning Data Directories FILESTREAM Specify the authentication mode and administrators for the Database Env Authentication Mode Windows authentication mode Mindows authentication mode Mindows authentication mode Mindows authentication mode FileStream administrator (sa) account for the SQL Server system administrator (sa) account Enter password: Confirm password:	pre.
	AttANTA/Administrator (Administrator) WOODGROVEBANKISQL2008R2Service (SQL2008R2Service) WOODGROVEBANKISQL2008R2Service (SQL2008R2Service) Add Current User Add Remove	SQL Server administrators have unrestricted access to the Database Engine.

• We will keep the defaults for Collation so just click Next

- On the Database engine configuration Page we have much to do...
- On the Account Provisioning tab I am changing to Mixed Mode. This gives me the capability to manage users from inside of SQL. Without it users have to use Windows authentication. Once you change to mixed mode you will need to put in a password for the "SA" account which is the internal SQL Administrator account. You will need to use a complex password for this. If you do not need mixed mode, you can just leave Windows authentication mode turned on.
- You have to specify SQL Server administrators. In my case, I clicked "Add Current User" which added ATLANTA\Administrator. I also clicked Add to add Woodgrovebank\Domain admins and Woodgrovebank\SQL2008R2Service which is a user account I created for SQL Server. I am not initially using this account but I want to go ahead and make it an administrator.
- In my case I want to change the location that SQL stores my data so I am going to move to the data Directories tab

Specify Database Engine authentica	tion security mode, administrators a	d data directories.	
Setup Support Rules Setup Role Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error Reporting Installation Configuration Rules Ready to Install Installation Progress Complete	Account Provisioning Data Dir Data root directory: System database directory: User database log directory: User database log directory: Temp DB log directory: Backup directory:	ectories FILESTREAM	

- On the data Directories tab I am going to change the location of my data root directory. If you have not created this drive see How To Hot Add Storage To A Hyper-V Guest-Super Simple And No Service Interruption. Once you create the drive, you should add the folder. In my case I like to create a folder called SQLData so I just toggled out to create the folder on my data disk. I strongly recommend you do not put SQL Data on the C drive. Even if you have plenty of space available. You have been warned!!!!
- I also changed the User database directory to be E:\SQLdata\Data
- I changed the backup directory to be E:\SQLData\Backup
- when I changed the Data Root directory, the Temp DB directory changed so I just kept it as is.
- We do not need to make any changes on FILESTREAM tab so we can just click Next

🚏 SQL Server 2008 R2 Setup	
Reporting Services Conf Specify the Reporting Services config	iguration ureton mode.
Setup Support Rules Setup Role Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Reporting Services Configuration Error Reporting Installation Configuration Rules Ready to Install Installation Progress Complete	 Install the native mode default configuration. Setup will install the report server and configure it in Native mode to use the default values. The report server is usable as soon as Setup is finished. Install the SharePoint integrated mode default configuration. Setup will create the report server database in SharePoint integrated mode and configure the report server to use the default values. However, integrated operations will not be supported until a minimal installation of a SharePoint product or bechnology is deployed on the report server contecter and the SharePoint product or technology is installed and configured on the instance of the SharePoint product or technology you are using. Install, but do not configure the report server. Setup will install, but will not configure, the report server software. After installation is finished, you can use the Reporting Services Configuration tool to set options that are required to run the report server.
	< Back Next > Cancel Help

• In the Reporting Services configuration, I will leave **Install the native mode** default configuration and then click **Next**

SQL Server 2008 R2 Setup	. C X			
Error Reporting Help Microsoft improve SQL Server features and services.				
Setup Support Rules Setup Role Peature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Reporting Services Configuration Error Reporting Installation Configuration Rules Ready to Install Installation Progress Complete	Specify the information that you would like to automatically send to Microsoft to improve future releases of SQL Server. These settings are optional. Microsoft treats this information as confidential. Microsoft may provide updates through Microsoft Update to modify feature usage data. These updates might be downloaded and installed on your machine automatically, depending on your Automatic Update settings. See the Microsoft SQL Server 2008 B2 Privacy Statement for more information. Bead more about Microsoft Update and Automatic Update.			
	< Back Next > Cancel Help			

• No Error reporting for me so just click **Next**

Installation Configurati	on Rules	
Setup is running rules to determine	if the installation process will be blocked. For more information, click Help.	
ietup Support Rules ietup Role feature Selection installation Rules instance Configuration	Operation completed. Passed: 6. Falled 0. Warning 0. Skipped 2. Hide details << Yew detailed report	Re-run
Use space requirements Server Configuration Database Engine Configuration Reporting Services Configuration Error Reporting Installation Configuration Rules Ready to Install Installation Progress	Rule Instance name Instance name SQL Server 2000 Analysis Services (64-bit) install action Existing clustered or cluster-prepared instance Cross language installation Cross language installation	Status Passed Not applicable Passed P
Complete	Sans delineced e Foliabouri Reporting Services Catalog Database File Existence Reporting Services Catalog Temporary Database File Existence	Passed Passed

- Almost done. You can show the details on the Installation Configuration Rules if you like
- All applicable tests should be passed so just click **Next**



- On the Ready To install screen you can review your configuration and then just click **Install**
- Then just let it chug for about 20 mins or so (depending on performance of your machine it could be longer)

SQL Server 2008 R2 Setup	
Complete Your SQL Server 2008 R2 installab	ion completed successfully.
Setup Support Rules Setup Role Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Reporting Services Configuration Error Reporting Installation Configuration Rules	Summary log file has been saved to the following location: C:IProgram Files/Microsoft SQL Server/1001Setup Bootstrap/LogI20110401-083553 Isummary Atlanta 20110401-083553.bt Information about the Setup operation or possible next steps: Vour SQL Server 2008 R2 installation completed successfully.
Installation Progress	Supplemental Information:
Complete	The following notes apply to this release of SQL Server only. Microsoft Update For information about how to use Microsoft Update to identify updates for SQL Server 2008 R2, see the Microsoft Update Web site at http://go.microsoft.com/fw/mk/?Linkid=108409 . Samples By default, sample databases and sample code are not installed as part of SQL Server Setup. To install sample databases and sample code for non-Express editions of SQL Server 2008 R2, see the CodeFlex Web site at http://go.microsoft.com/fw/mk/?Linkid=87843 . To read about support for SQL Server sample databases and
	Close Help

- See more at: http://blogs.technet.com/b/danstolts/archive/2011/04/01/how-to-install-sql-2008-r2-on-windows-server-2008-r2-sp1-for-use-with-scvmm-2008-r2-sp1.aspx#sthash.pmt9vtuQ.dpuf