

Team Foundation Server 2012 Installation Guide



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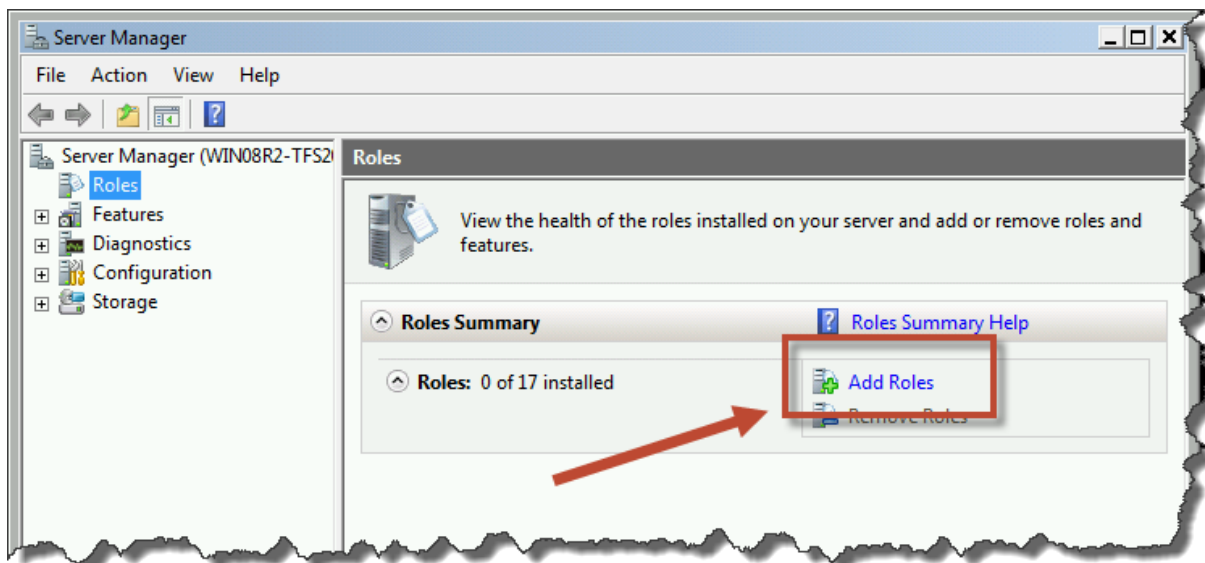
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Lab 01: Install Pre-requisites for SQL Server 2008 R2 and TFS2012

This chapter will walk you through the process of installing the pre-requisites for SQL Server 2008 R2 and Team Foundation Server 2012. You'll be installing these pre-requisites via the **Server Manager** in Windows Server 2008 R2.

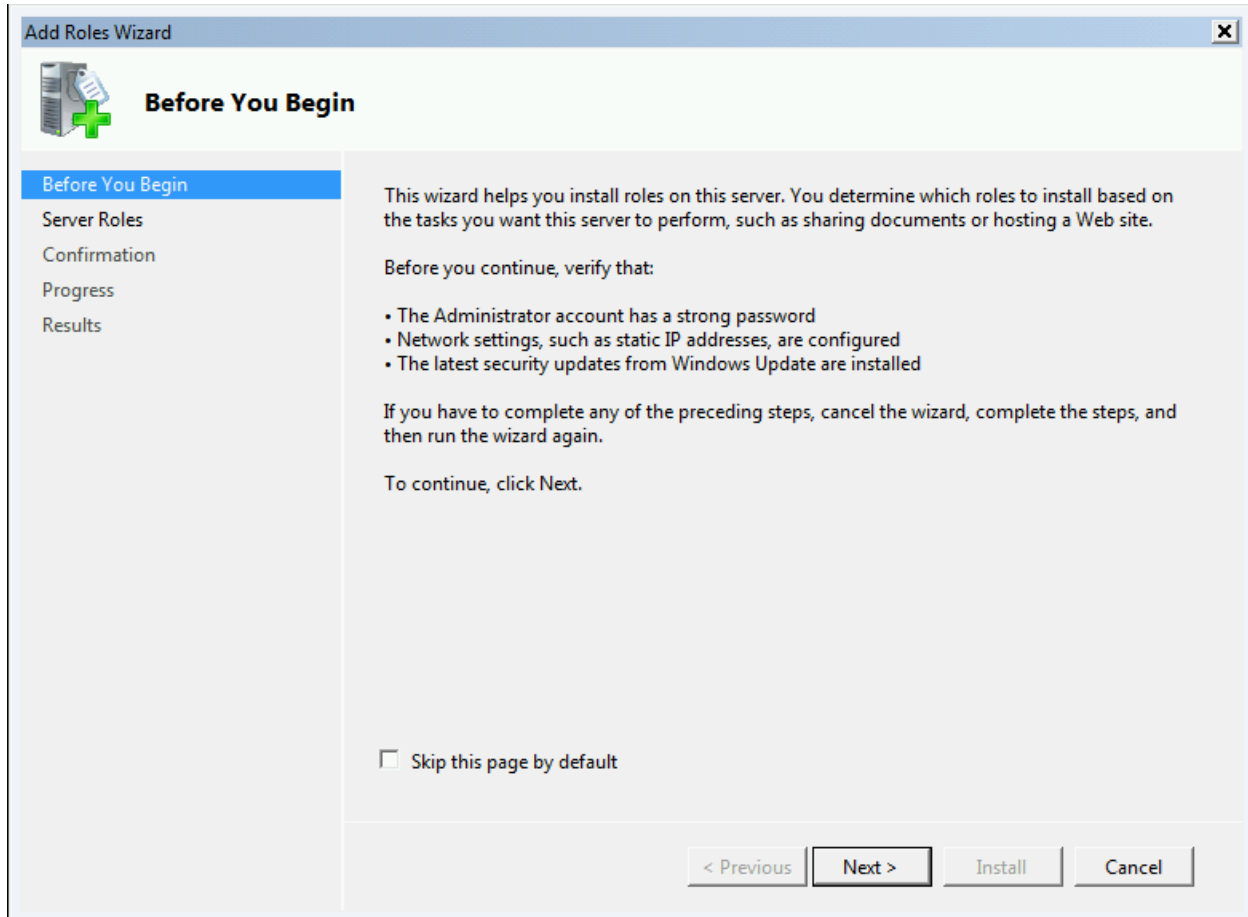
- In Windows, click the **Start** button
- In the search box, type **Server Manager**
- In the search results, run **Server Manager**

You should now see the Server Manager screen.



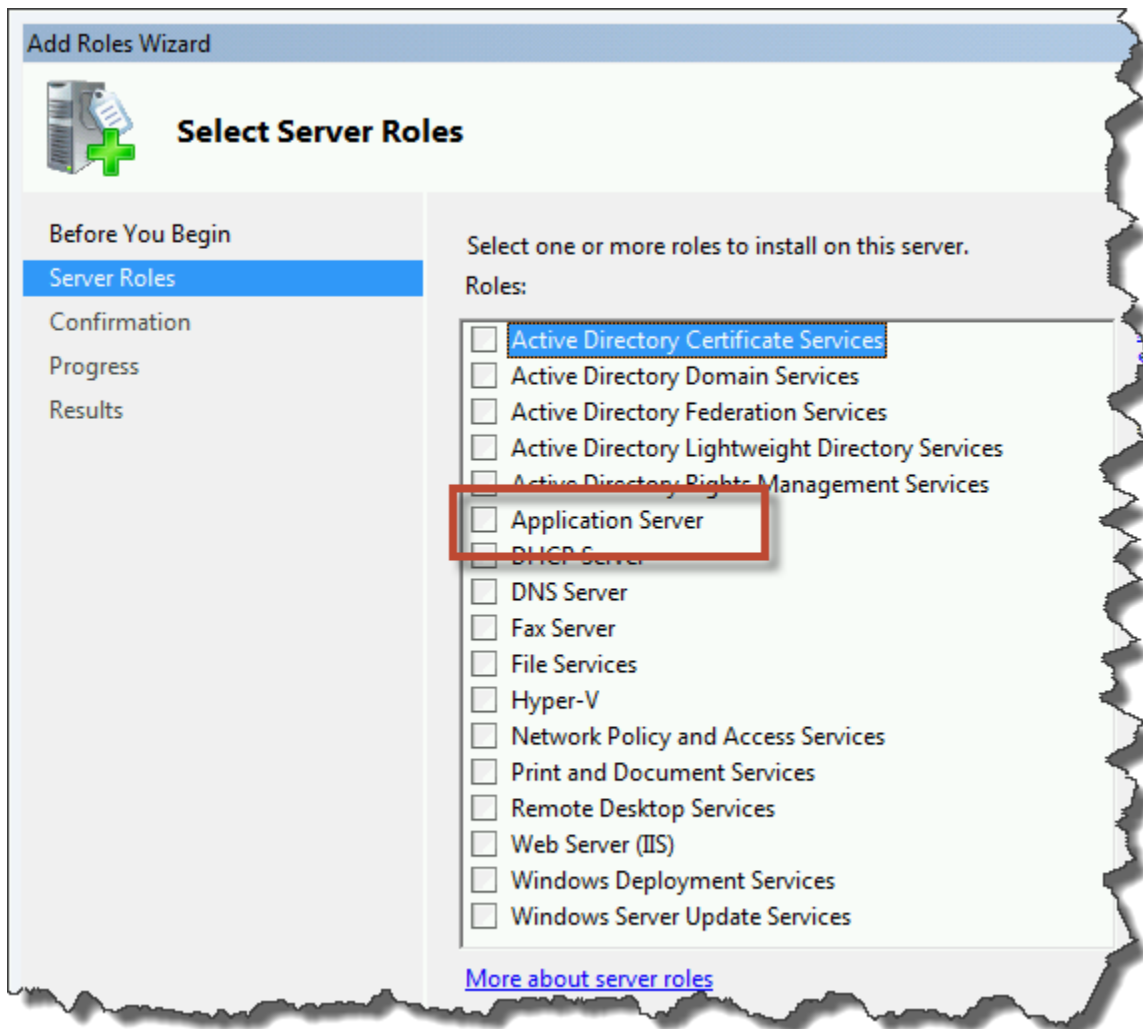
- Click **Add Roles**

You should now see the Add Roles Wizard.



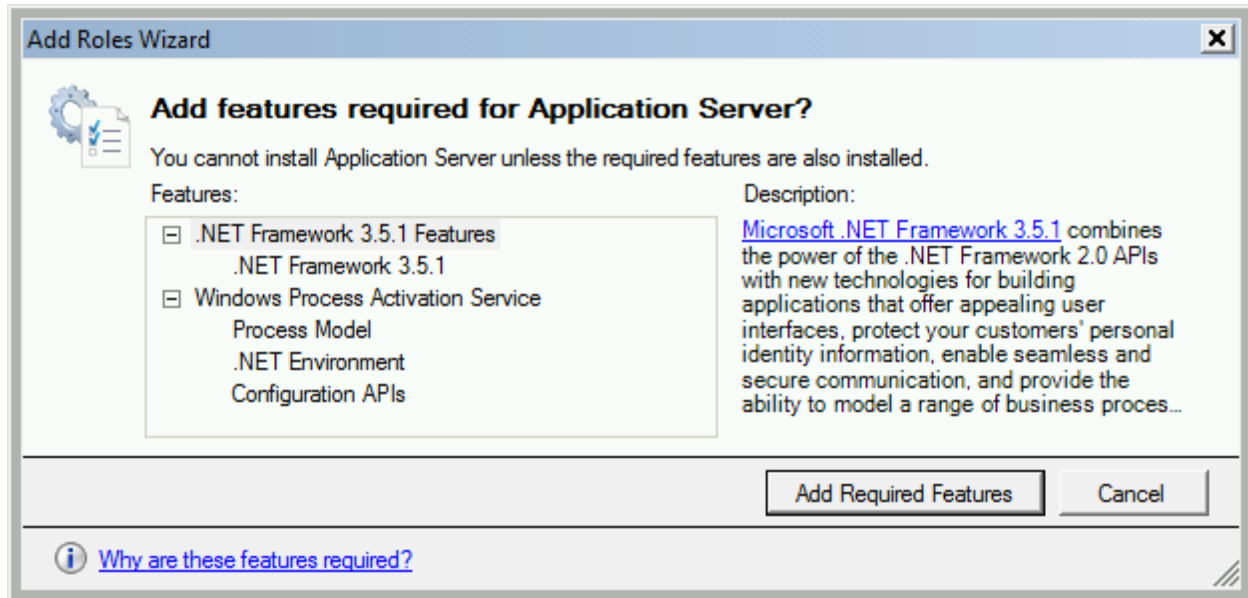
- Click **Next**

You should now see the **Select Server Roles** page.



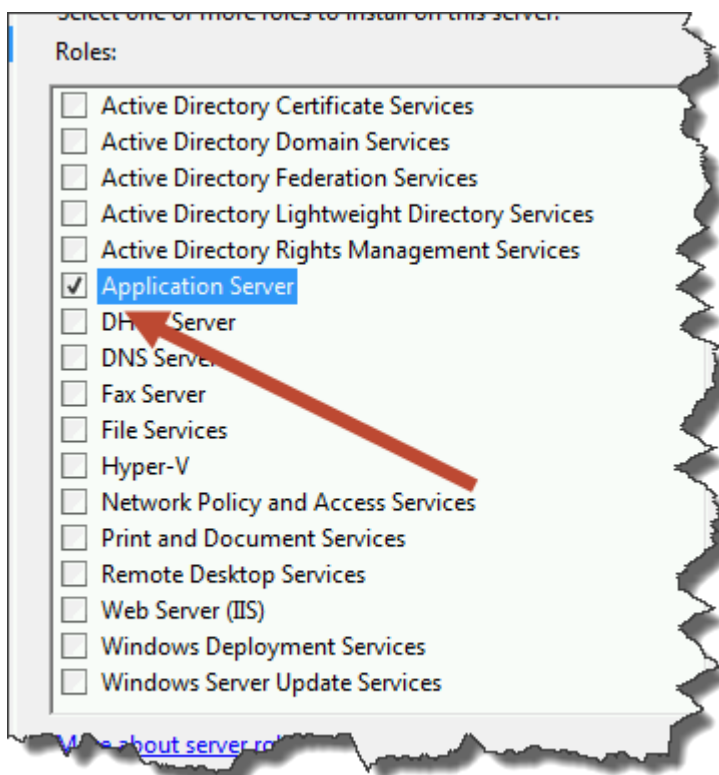
- Check **Application Server**

You should see a pop up dialog titled **Add Roles Wizard** like the image below.

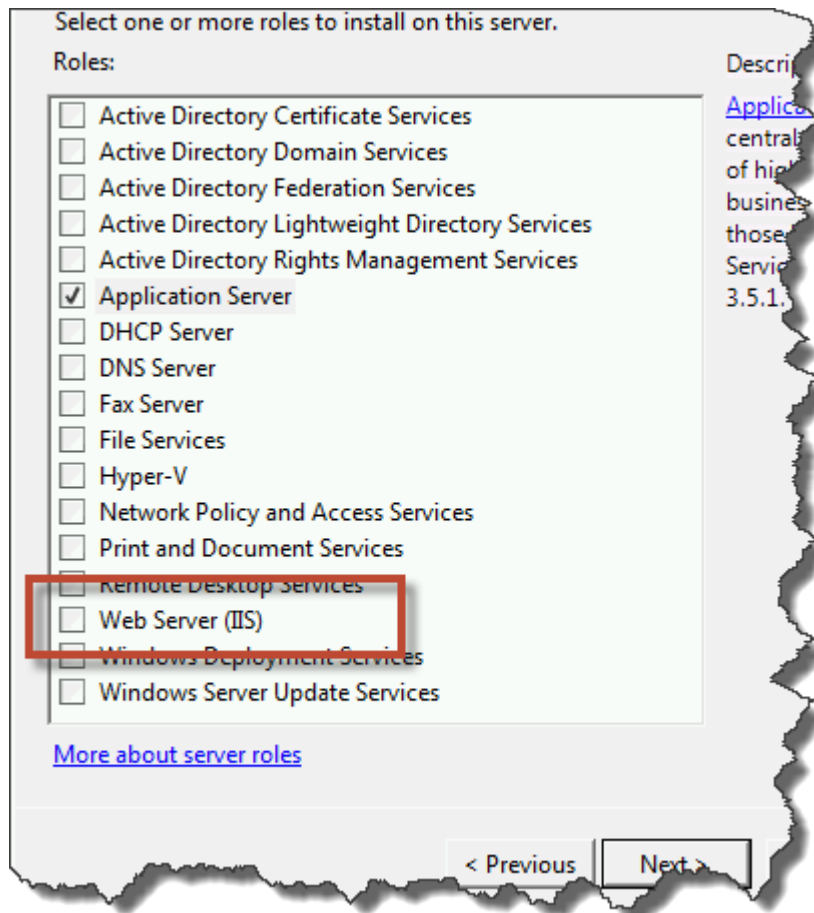


- Click the **Add Required Features** button

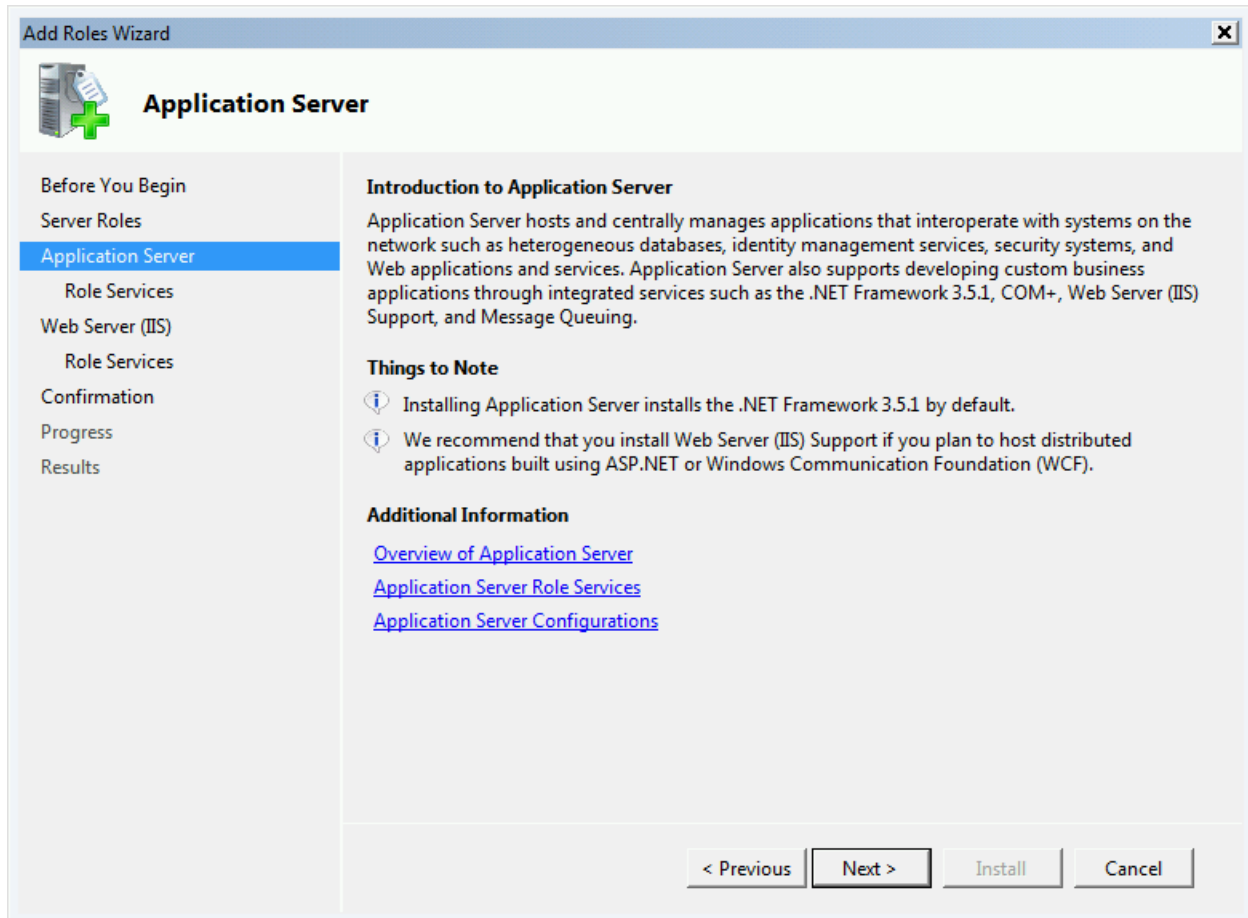
You should now be back on the roles selection page and Application Server should be checked.



You now need to check the Web Server (IIS) role.

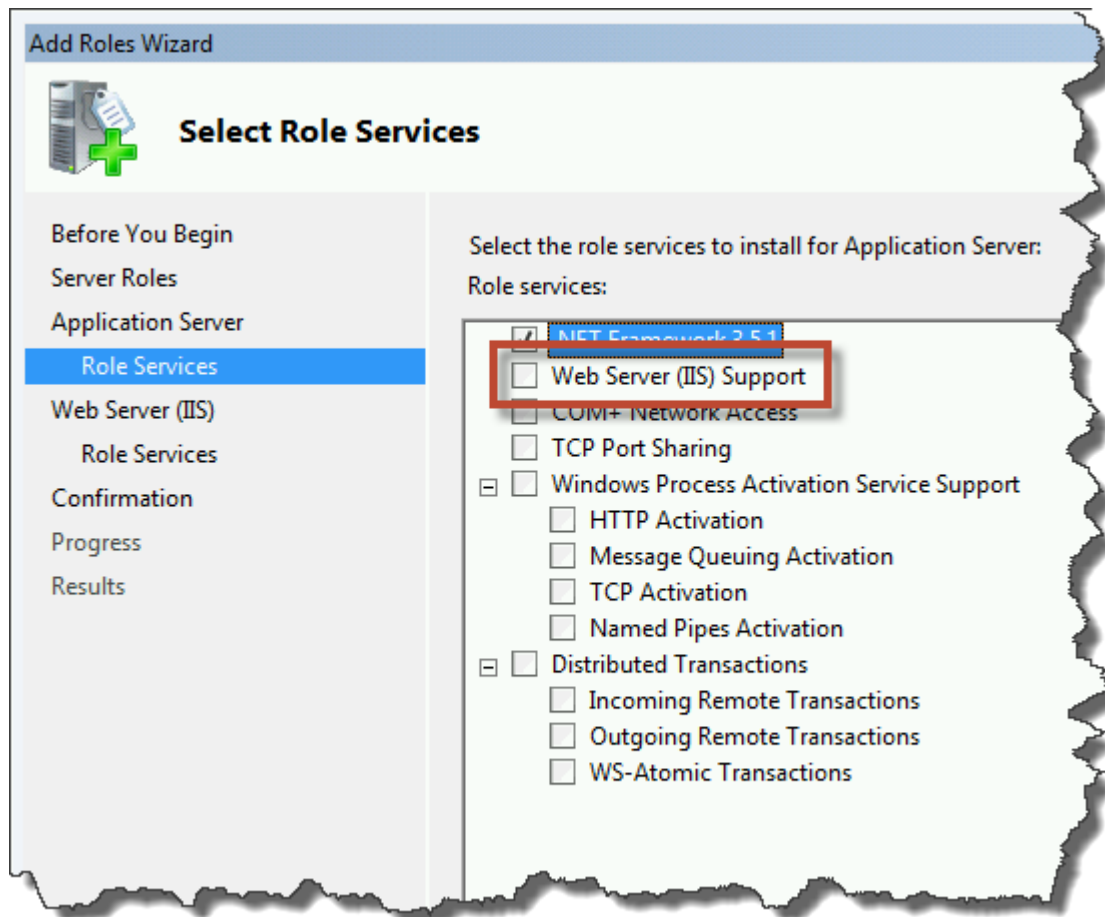


- Check the checkbox next to **Web Server (IIS)**
- Click the **Next** button



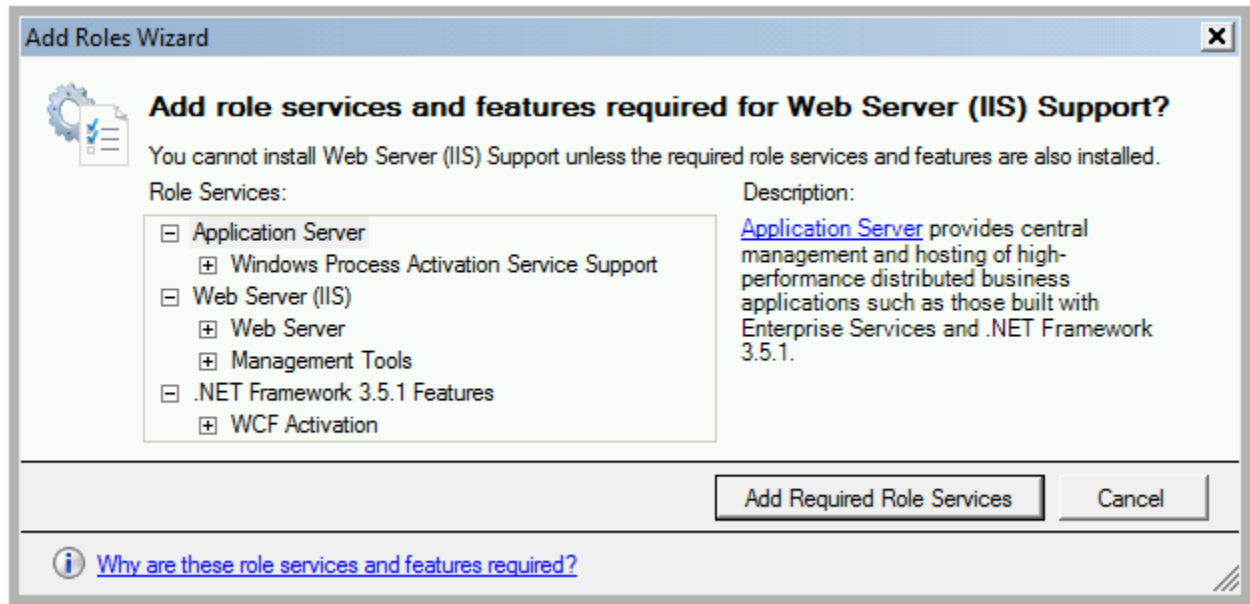
- Click **Next**

You should now be on the **Select Role Services** page.



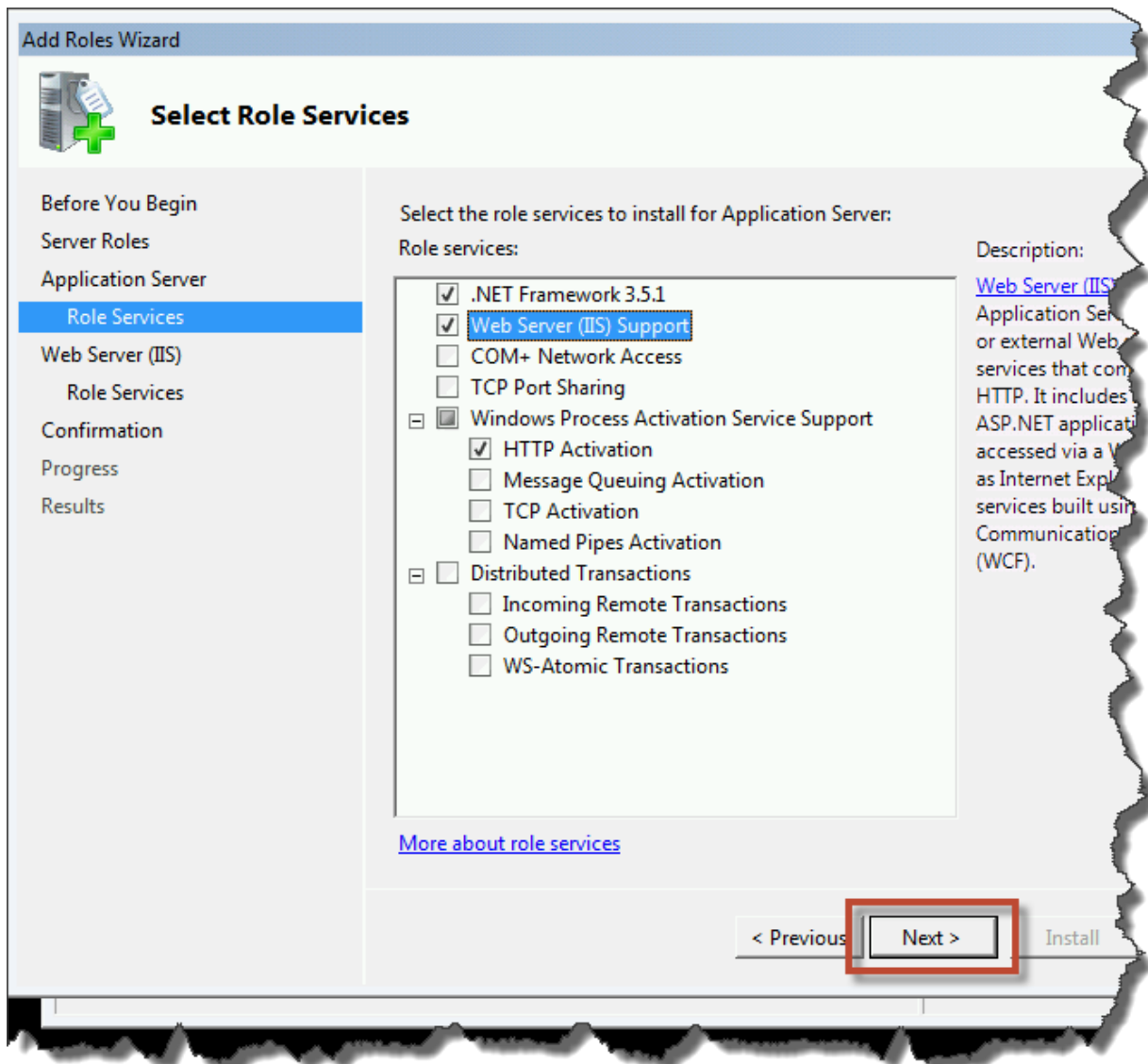
- Check the checkbox next to **Web Server (IIS) Support**

When you click **Web Server (IIS) Support**, you'll get a new dialog like the image below.



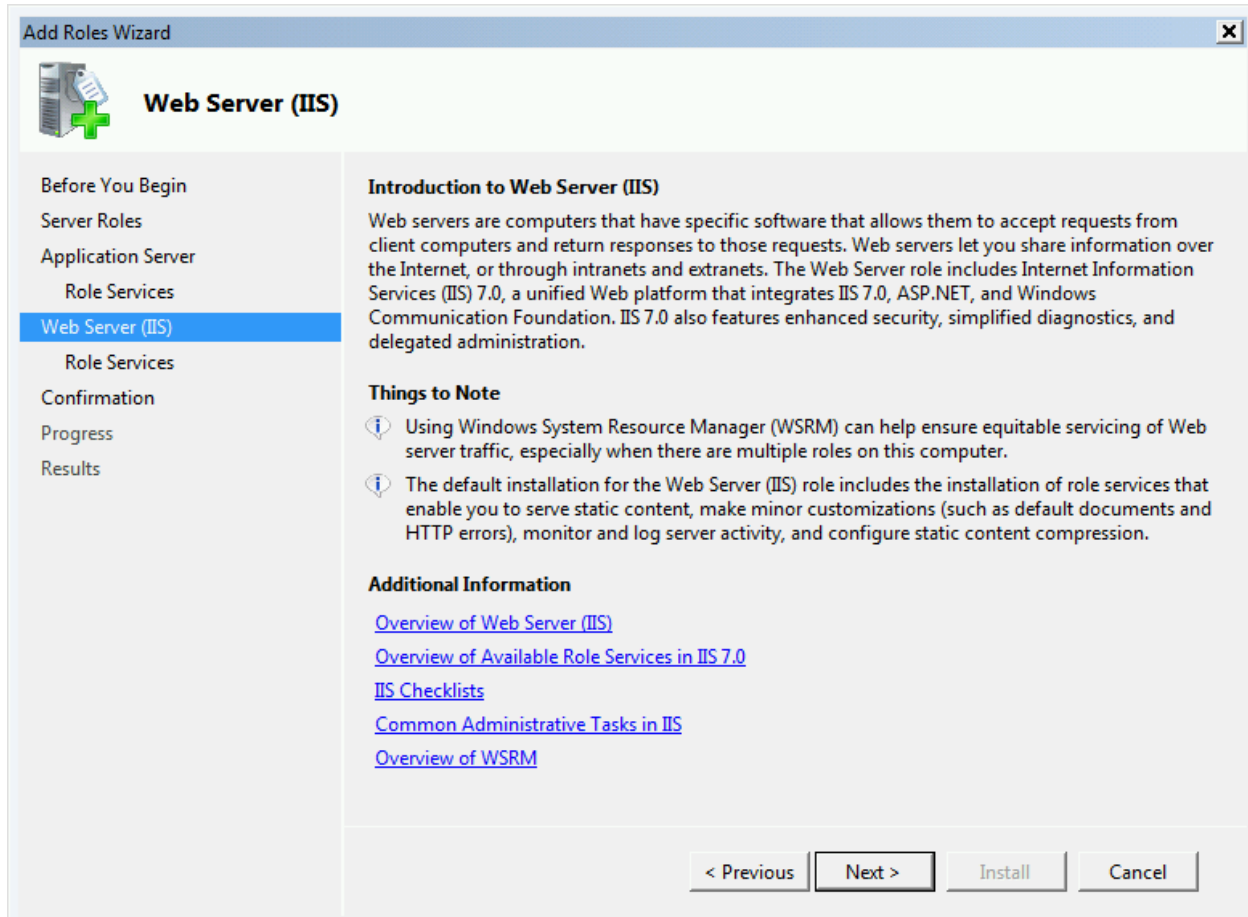
- Click the **Add Required Role Services** button

You should be back on the **Select Role Services** page.



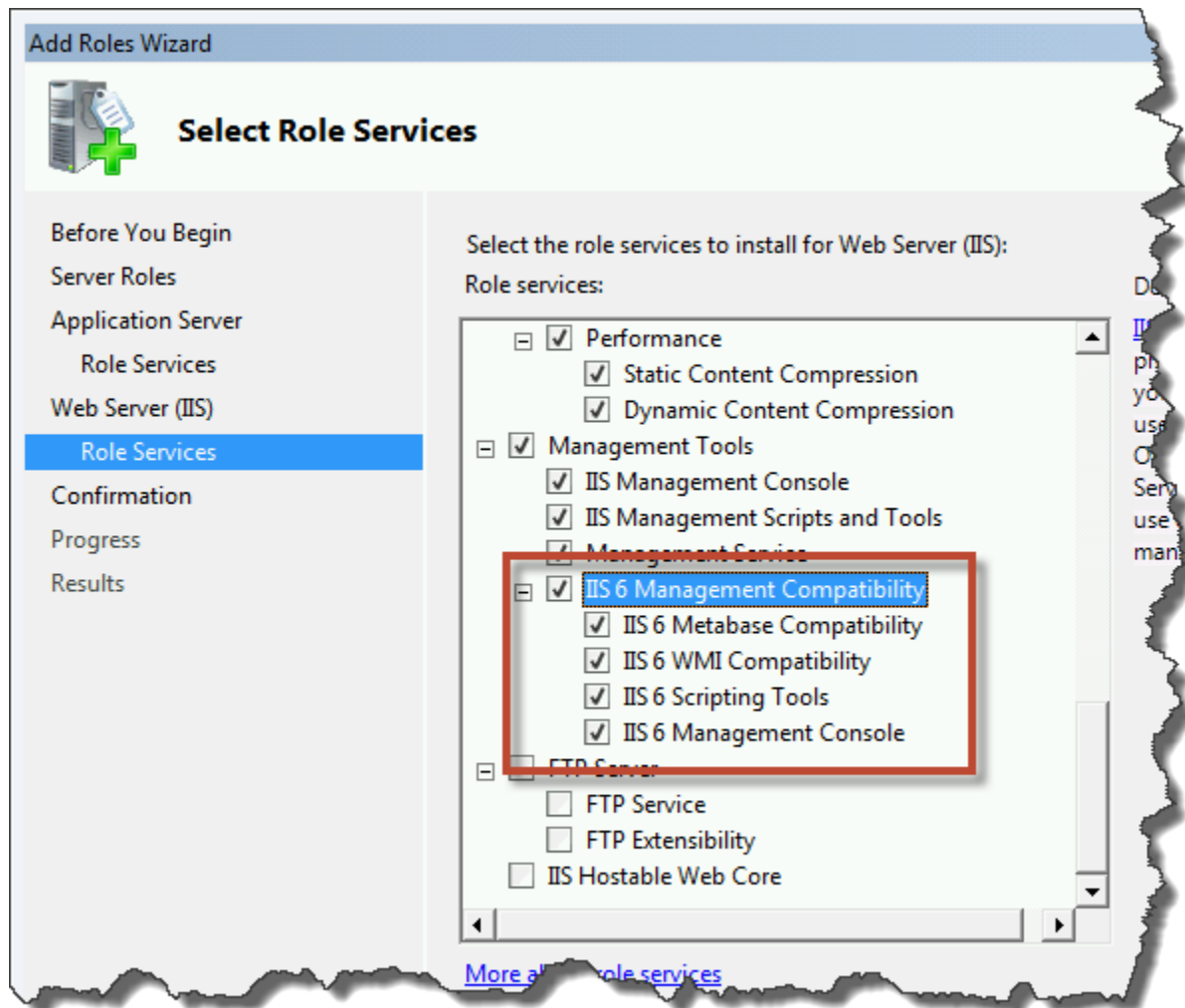
- Click **Next**

You should now see the **Web Server (IIS)** page.



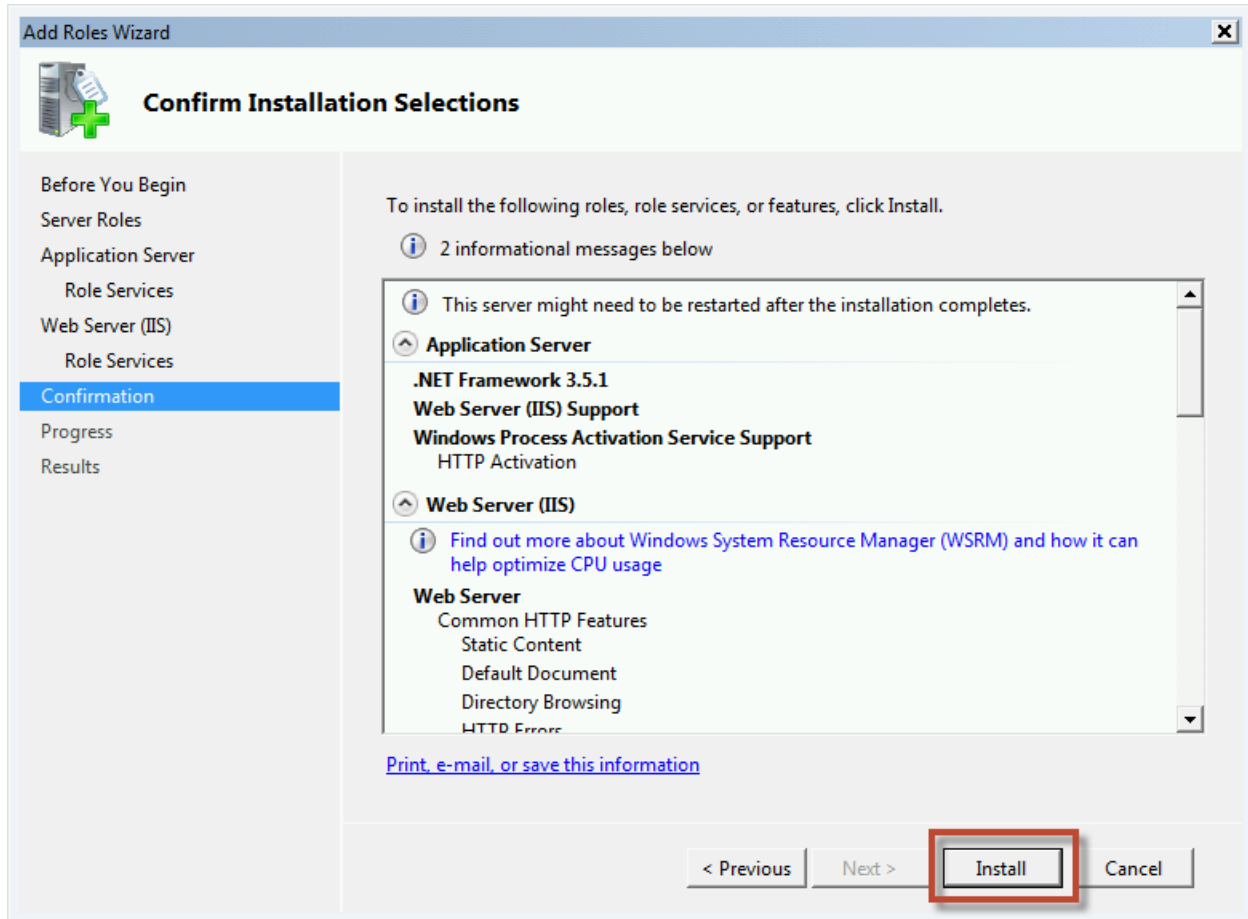
- Click **Next**

You should now be on the Select Role Services page.



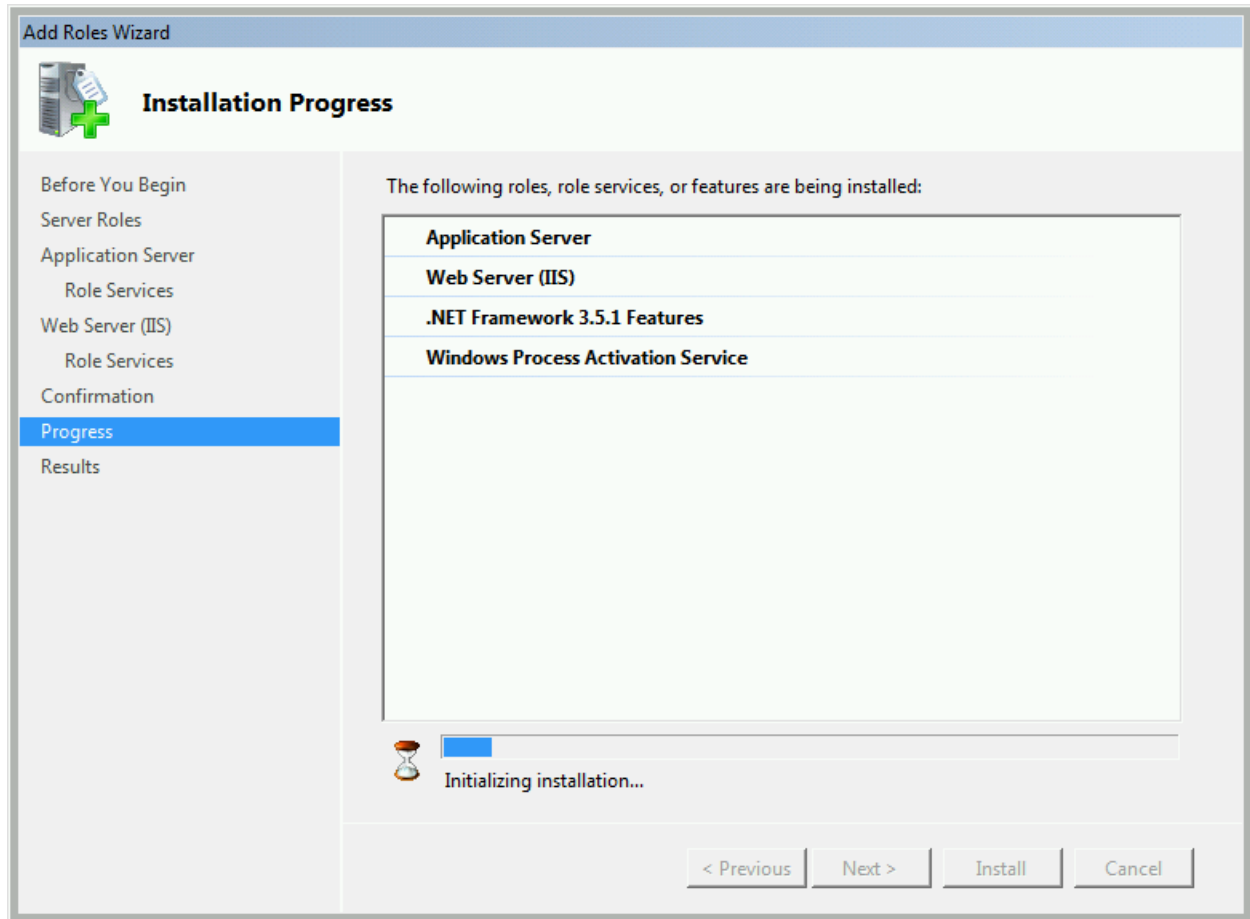
- In the list of roles, scroll down until you locate **IIS 6 Management Compatibility**
- Check **IIS 6 Management Compatibility** and all the **child items** as shown in the image above
- Click **Next**

You should now be on the **Confirm Installation Selections** page.

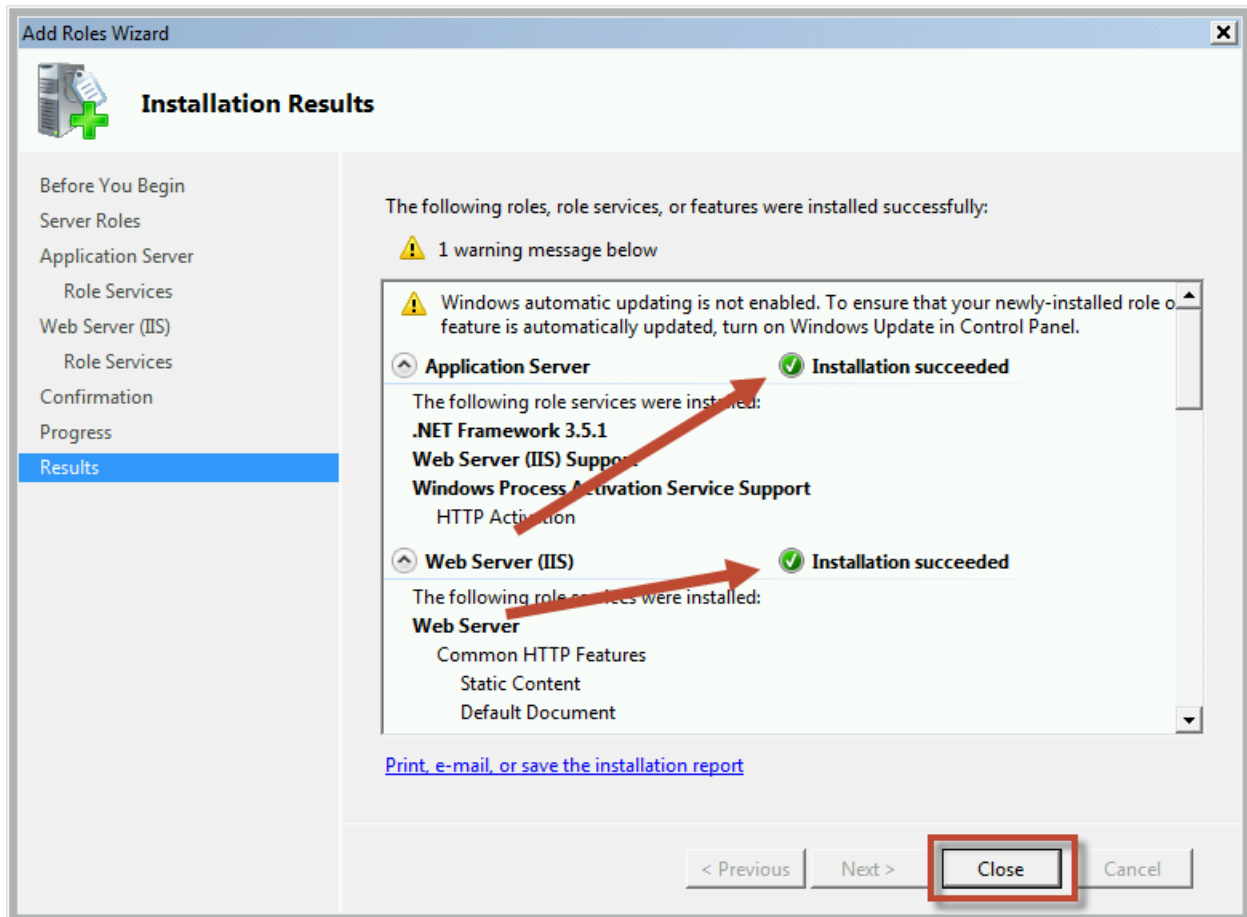


- Click the **Install** button

The installation should now be in progress.



After the installation has completed, you should be on the **Installation Results** page. You should see **Installation succeeded** for the Application Server and Web Server (IIS) roles.



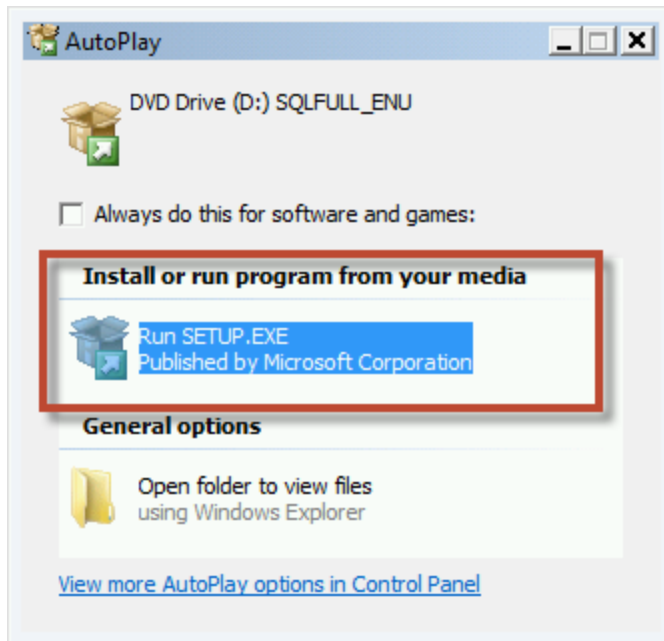
- Click **Close**

Pre-reqs are installed. Done.

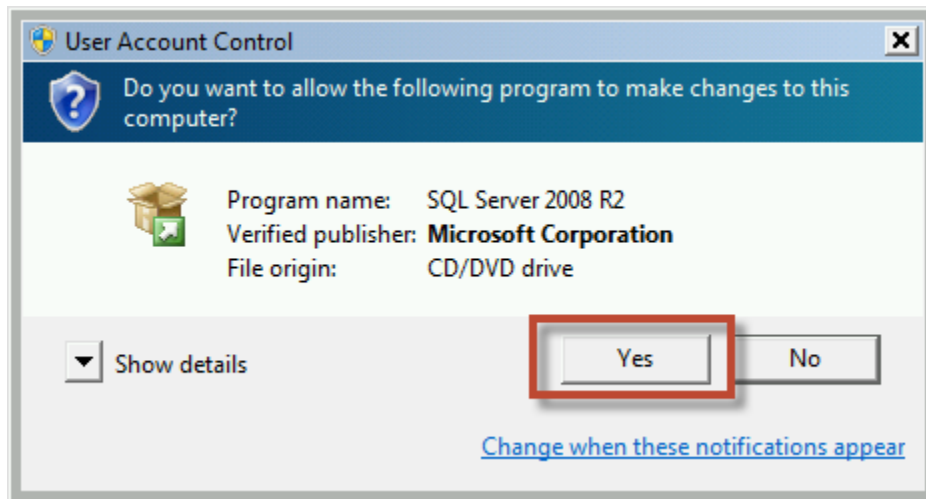
Lab 02: Install SQL Server 2008 R2 for TFS2012

This chapter will walk you through the process of installing SQL Server 2008 R2 for TFS2012.

- Insert the SQL Server 2008 R2 disc or mount the appropriate ISO

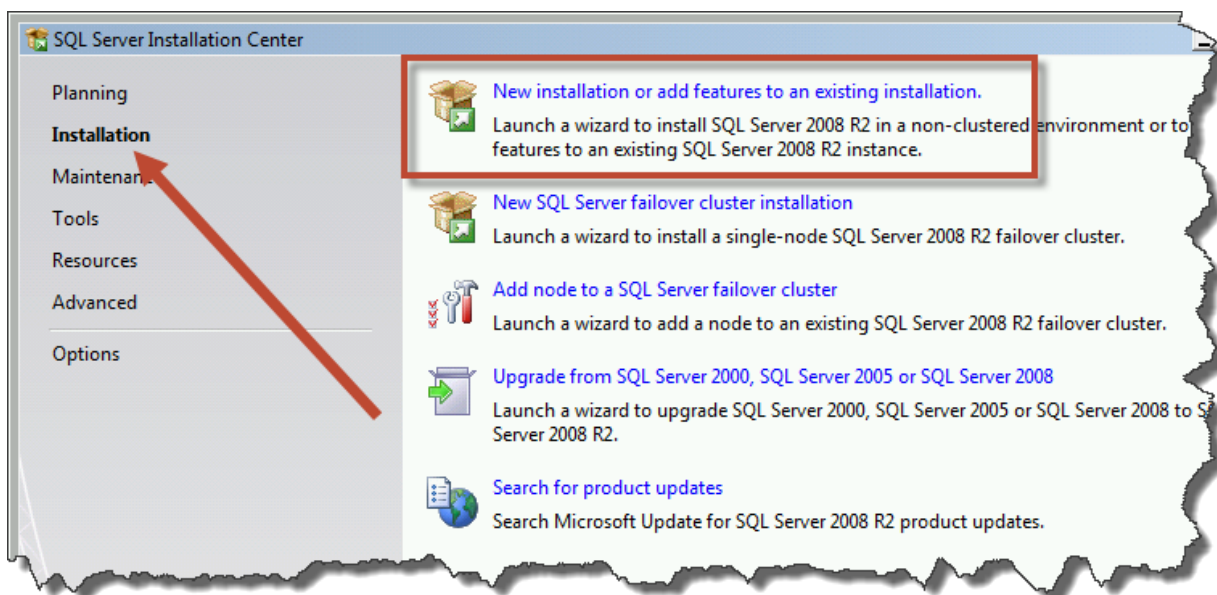


- Click **Run SETUP.EXE**



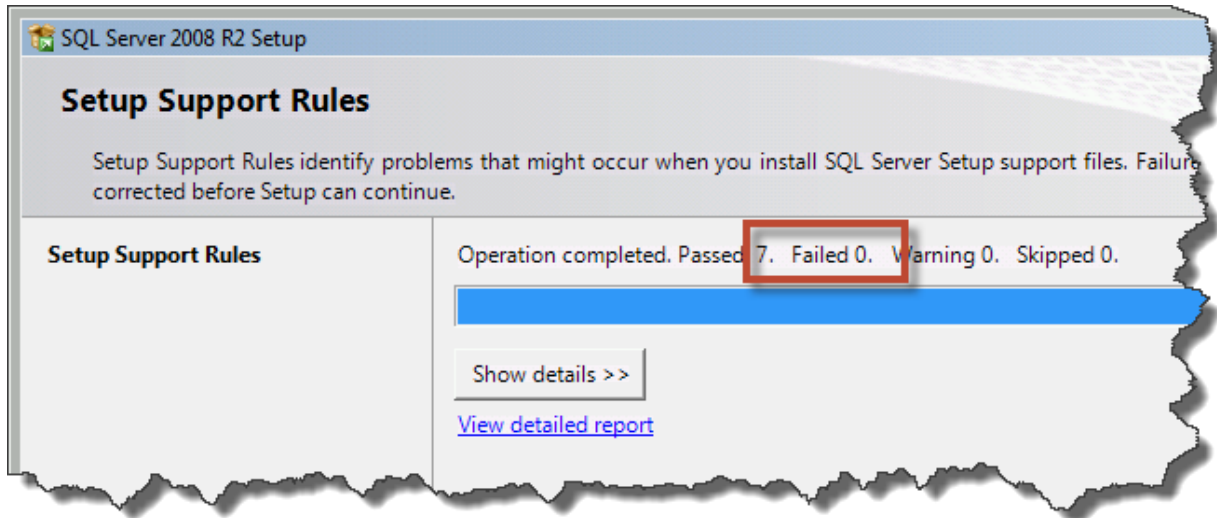
- Click **Yes**

You should now see the SQL Server Installation Center screen.



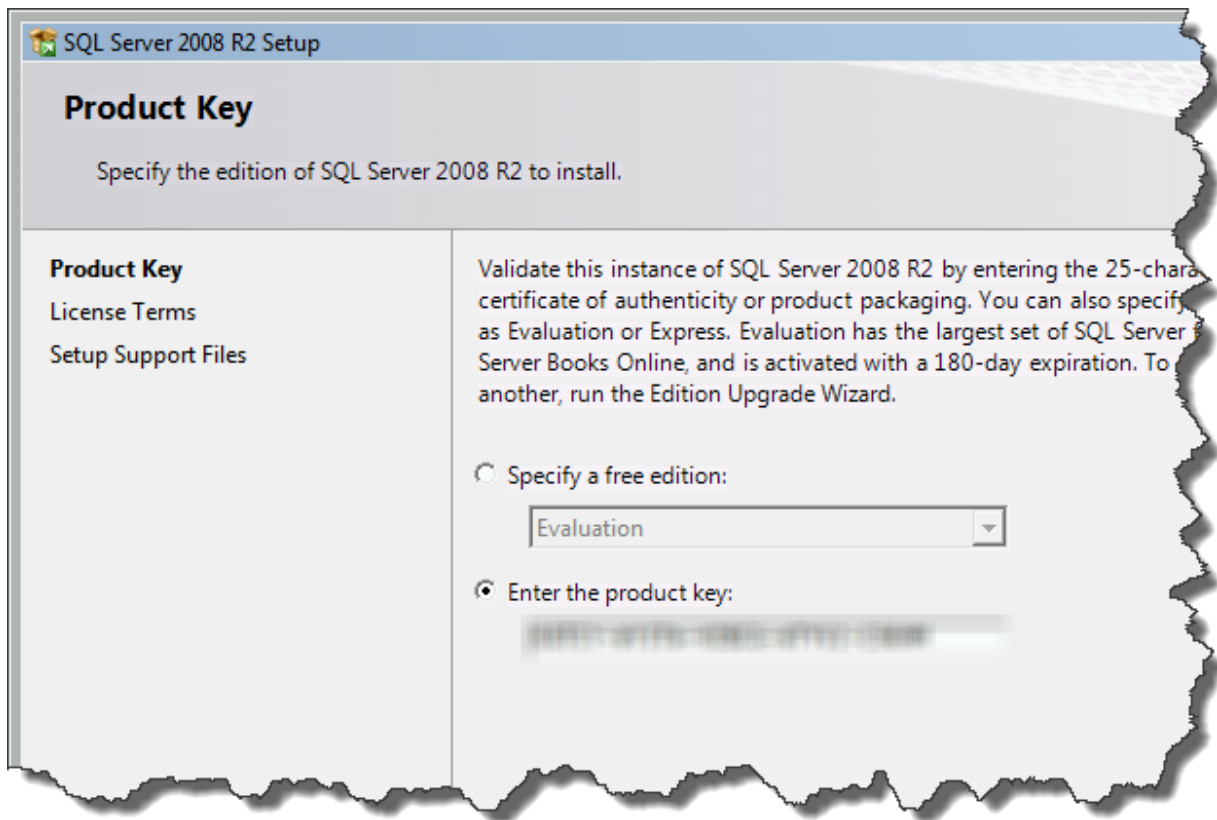
- In the left column, click **Installation**
- Click **New installation or add features to an existing installation**

On the **Setup Support Rules** page, you'll see the result of the installer's initial checks for possible installation blocking issues.



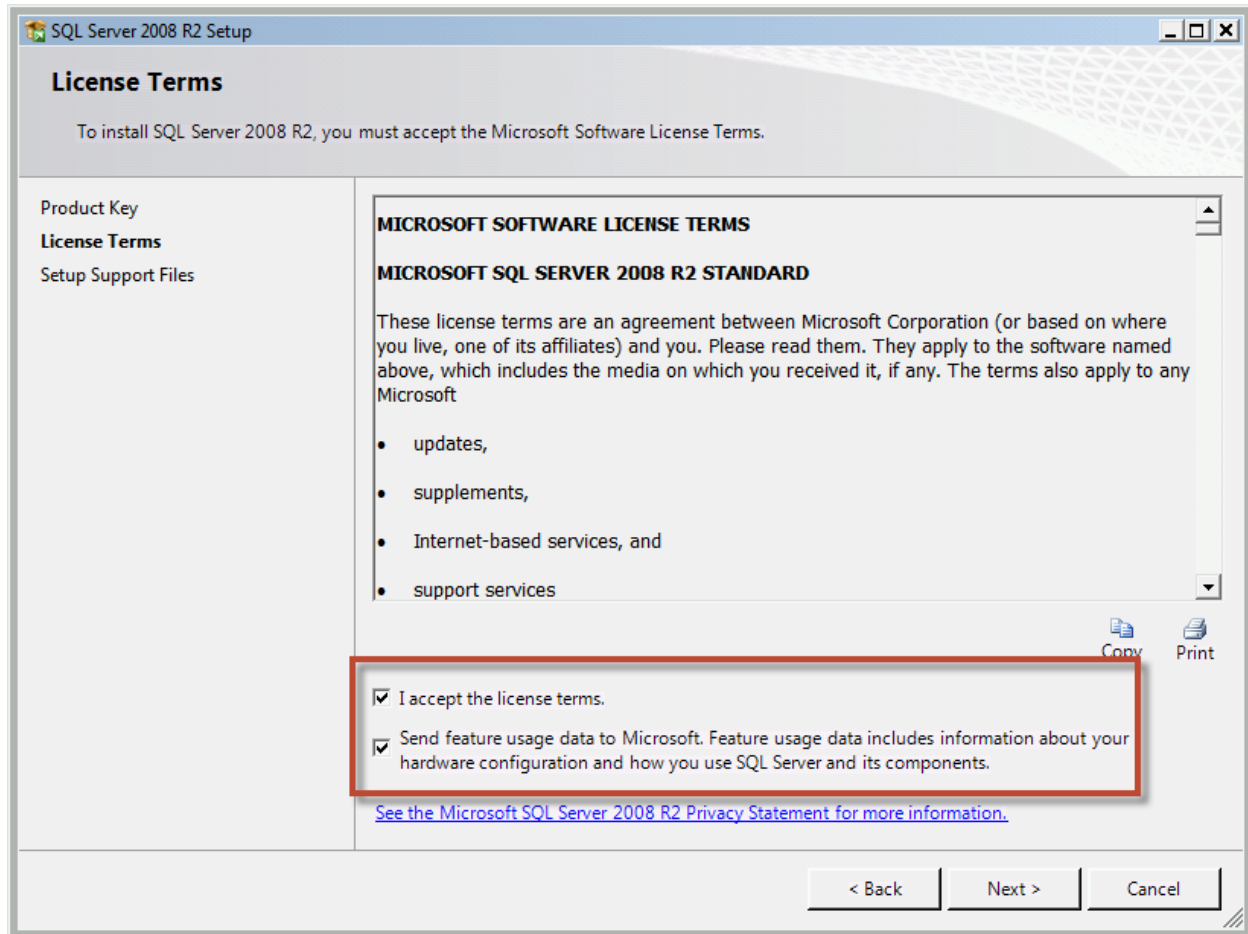
- Ensure that **Failed** says **0**
- Click **OK**

You should now be on the Product Key page.

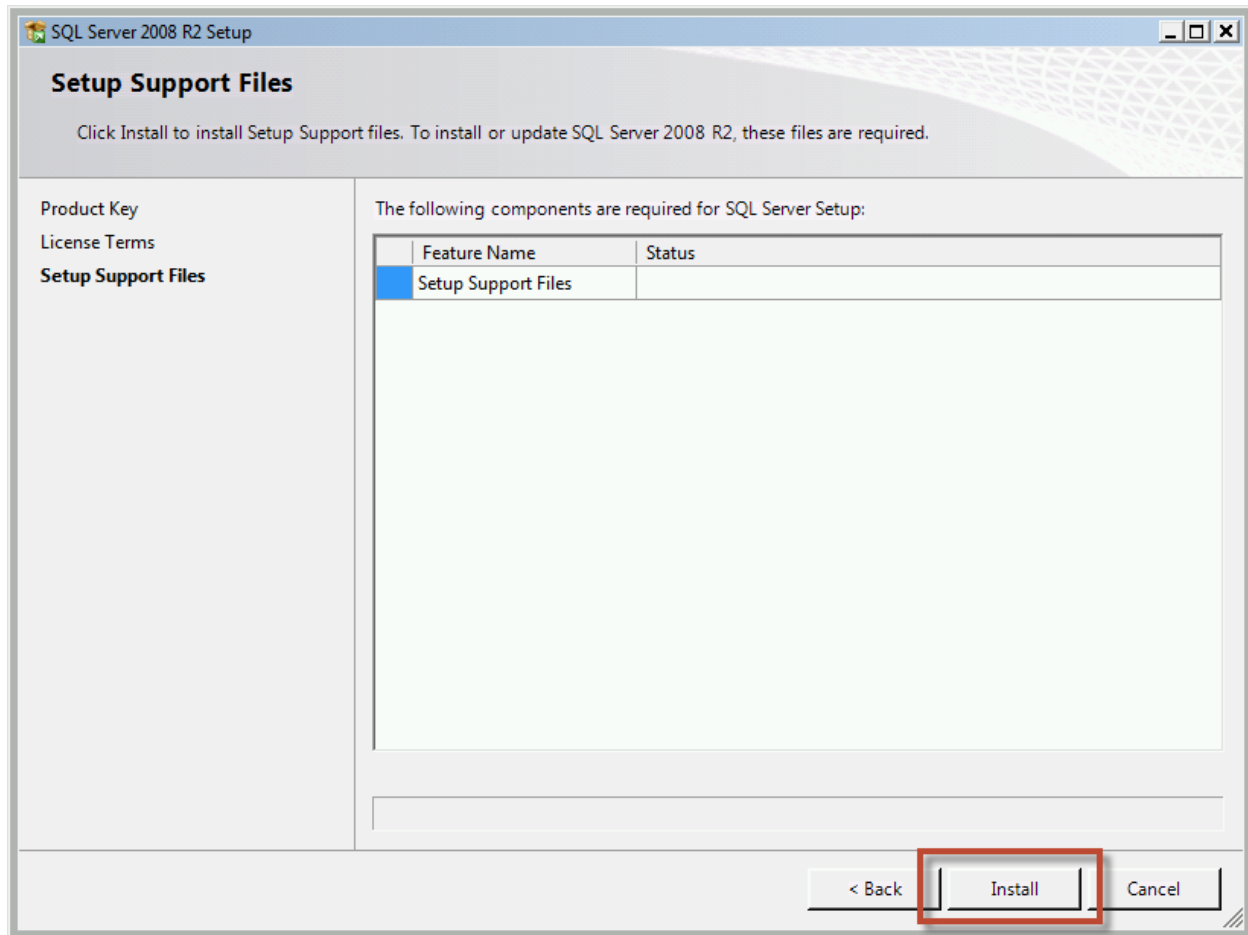


- Ensure that the correct product key is specified
- Click **Next**

You should now be on the License Terms page.

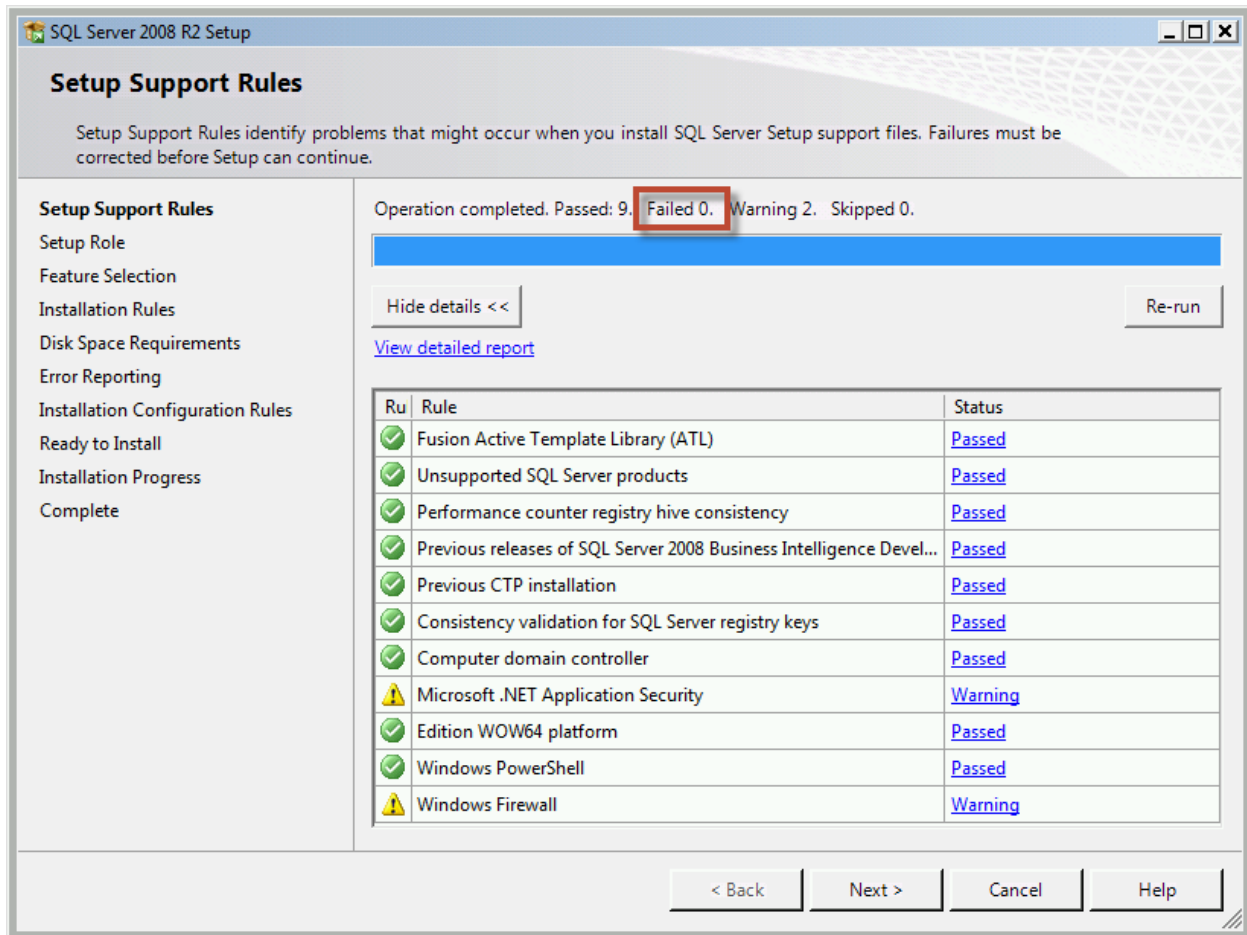


- Check **I accept the license terms**
- (Optional) Check **Send feature usage...**
- Click **Next**



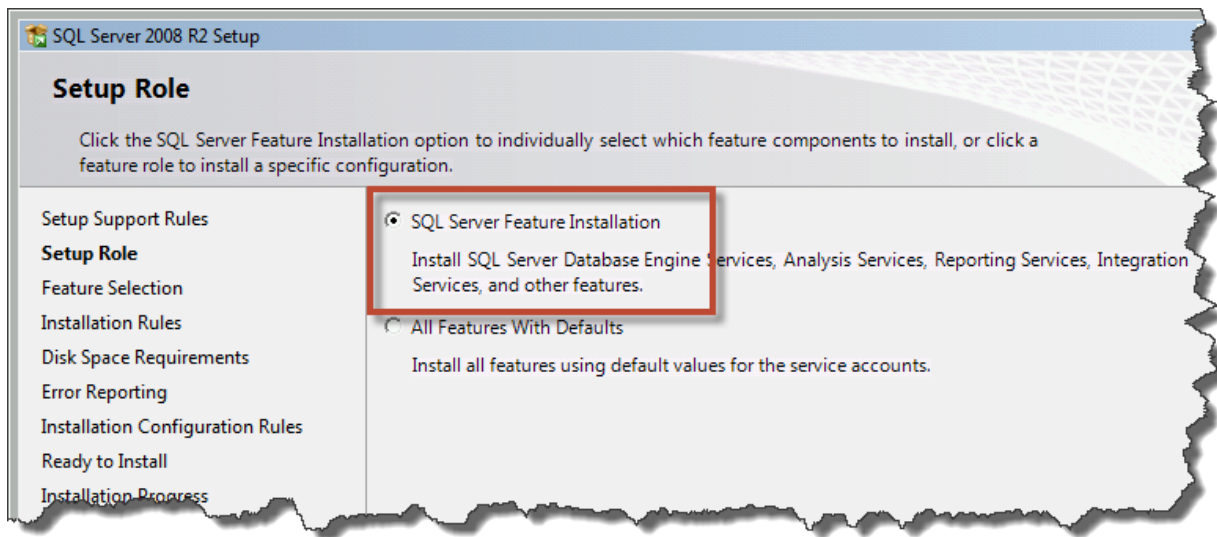
- Click **Next**

After the installation supporting files are installed, you'll see another Setup Support Rules check page.



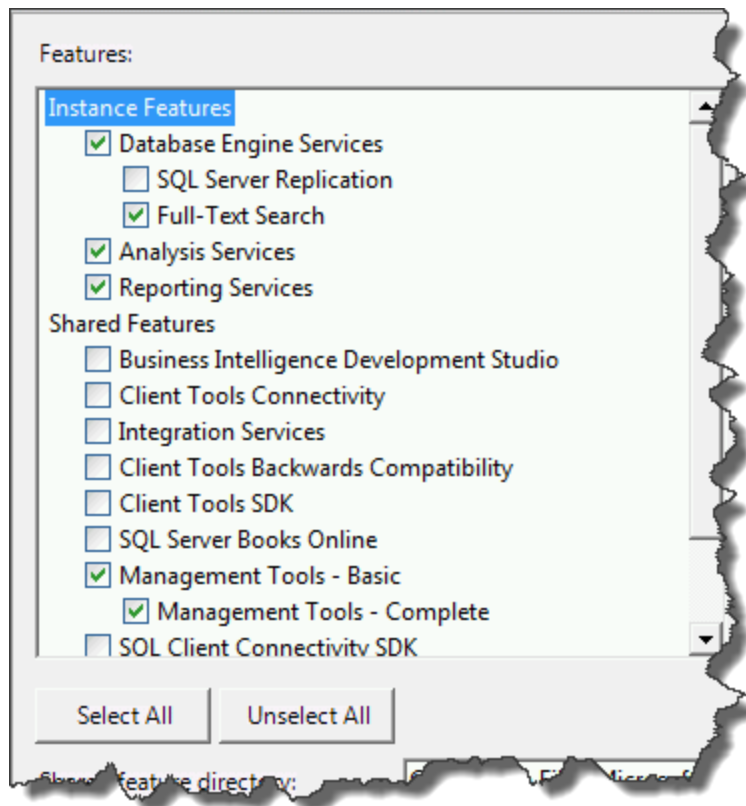
- Verify that **Failed** is **0**
- Click **Next**

You should now be on the **Setup Role** page.



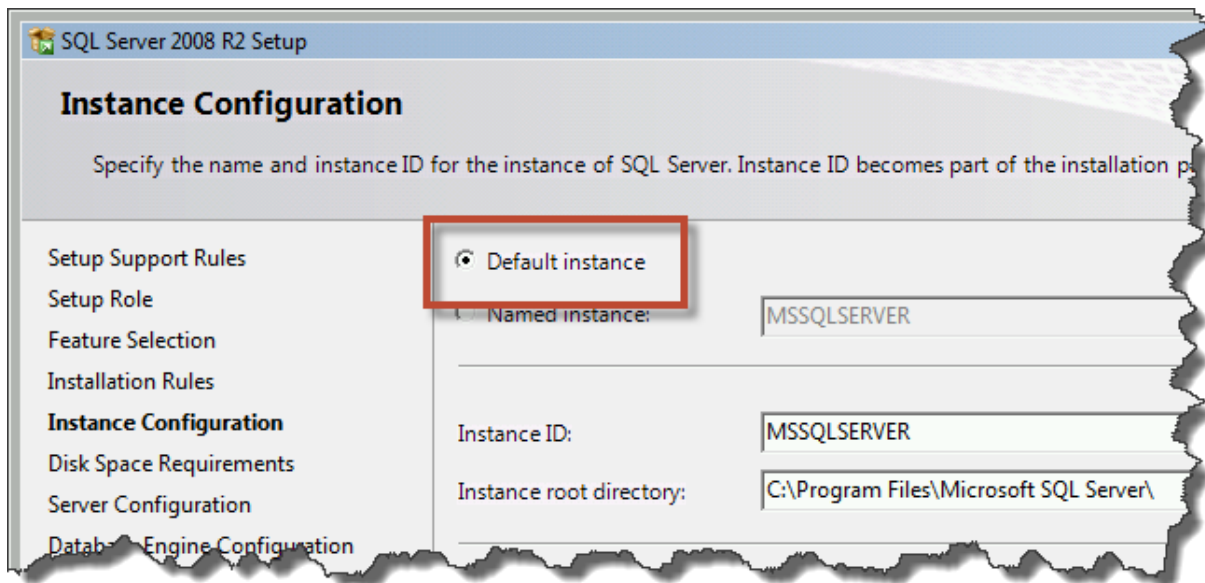
- Choose **SQL Server Feature Installation**
- Click **Next**

You should now be on the **Feature Selection** page.



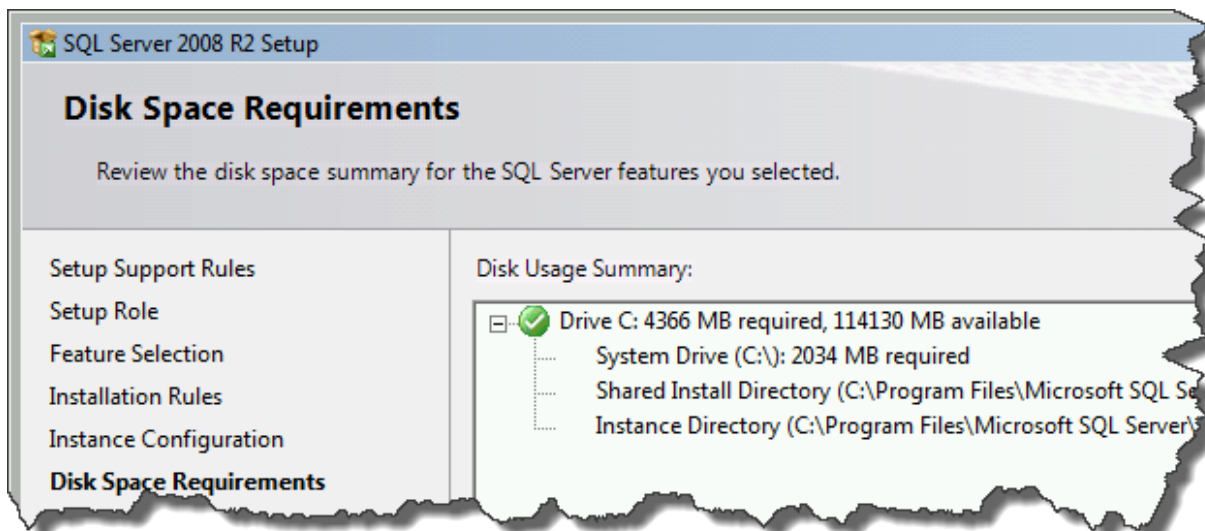
- Check the following items:
 - Database Engine Services
 - Full-Text Search
 - Analysis Services
 - Reporting Services
 - Management Tools – Basic
 - Management Tools – Complete
- Click **Next**

You should now be on the **Instance Configuration** page.



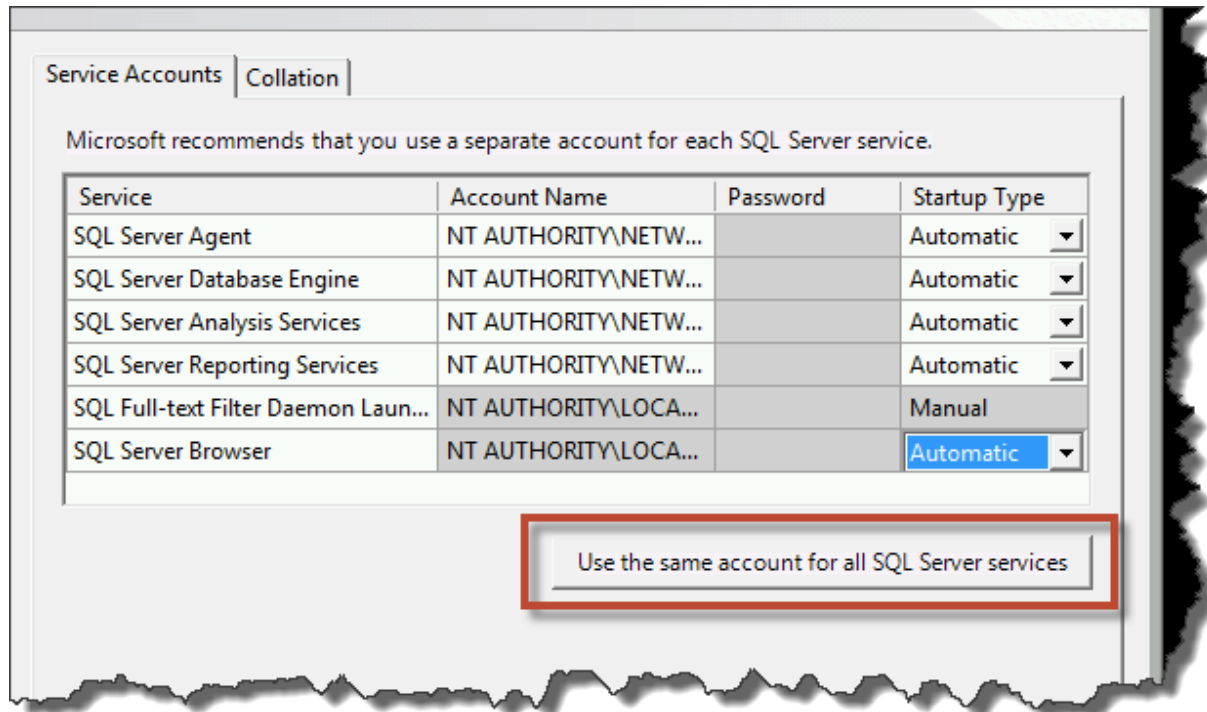
- Choose **Default instance**
- Click **Next**

You should be on the **Disk Space Requirements** page.

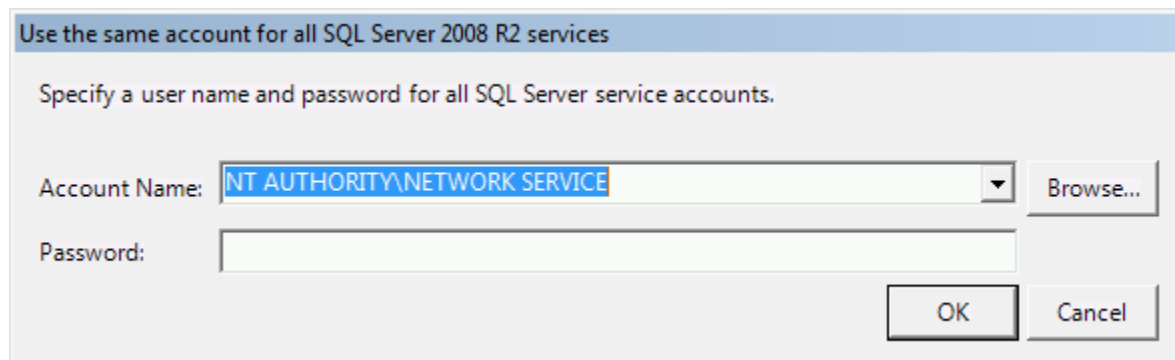


- Click **Next**

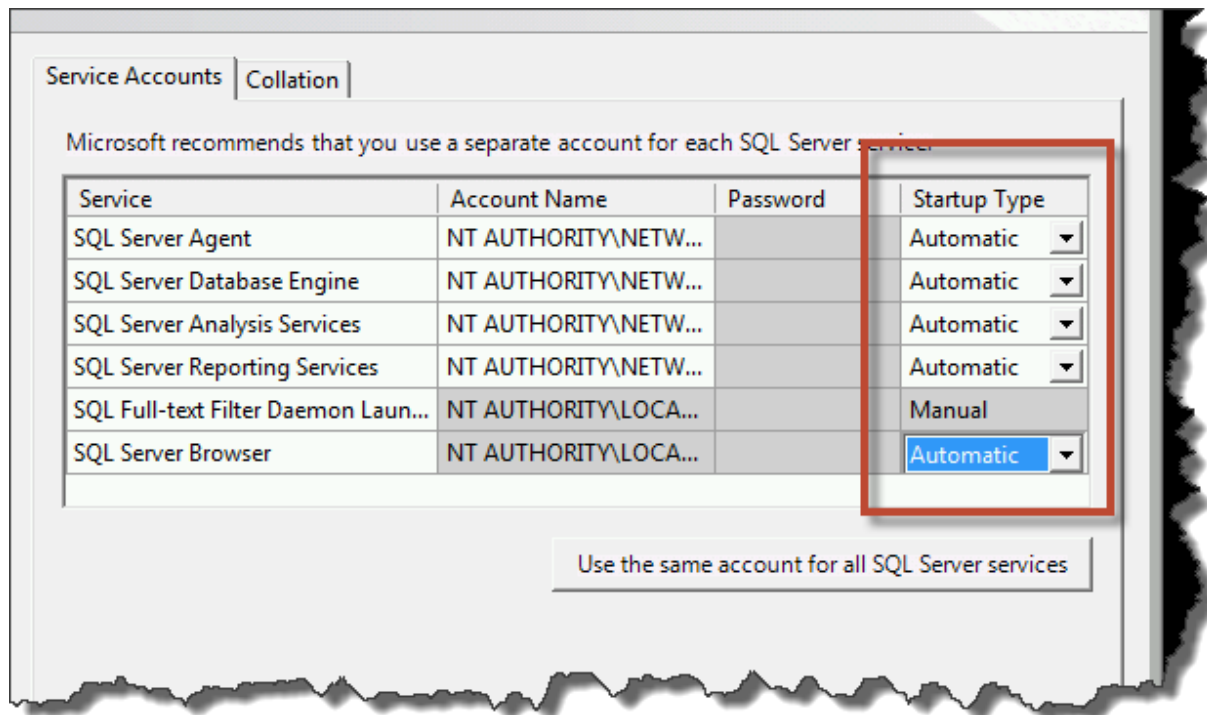
You should now be on the **Server Configuration** page.



- Click **Use the same account for all SQL Server services**

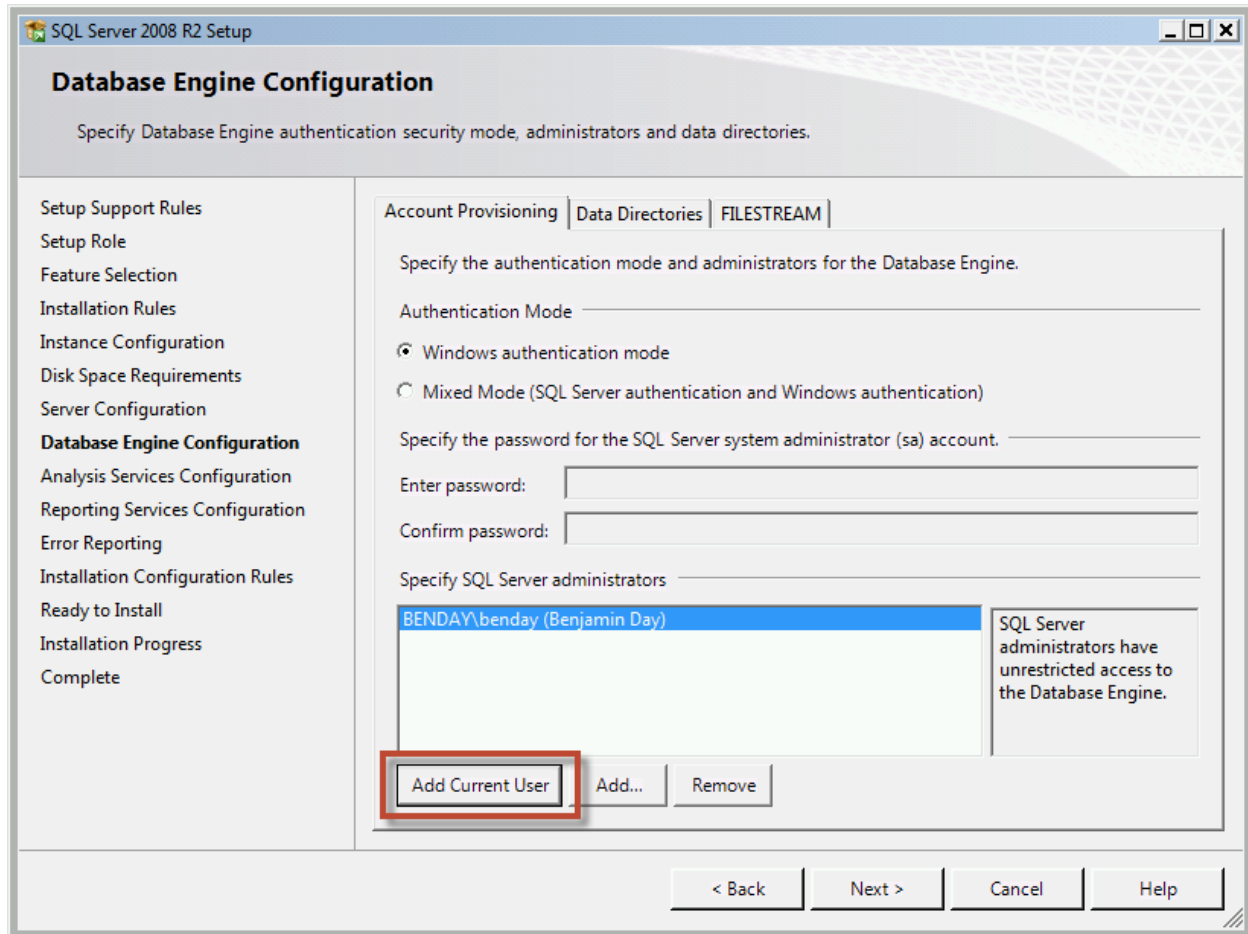


- From the Account Name drop-down list, choose **NT AUTHORITY\NETWORK SERVICE**
- Click **OK**



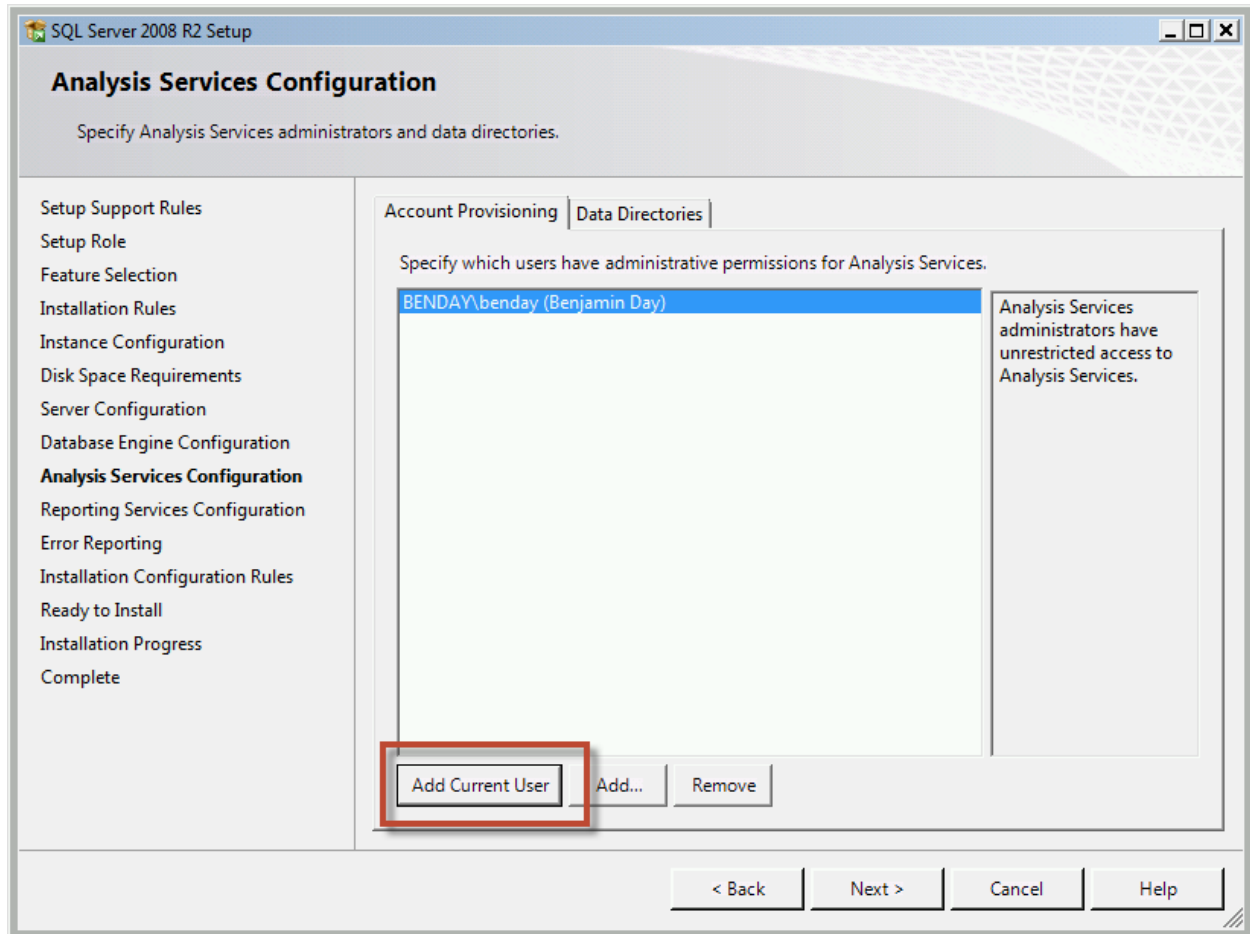
- Set the **Startup Type** column value to **Automatic** for all available services
- Click **Next**

You should now see the **Database Engine Configuration** page.



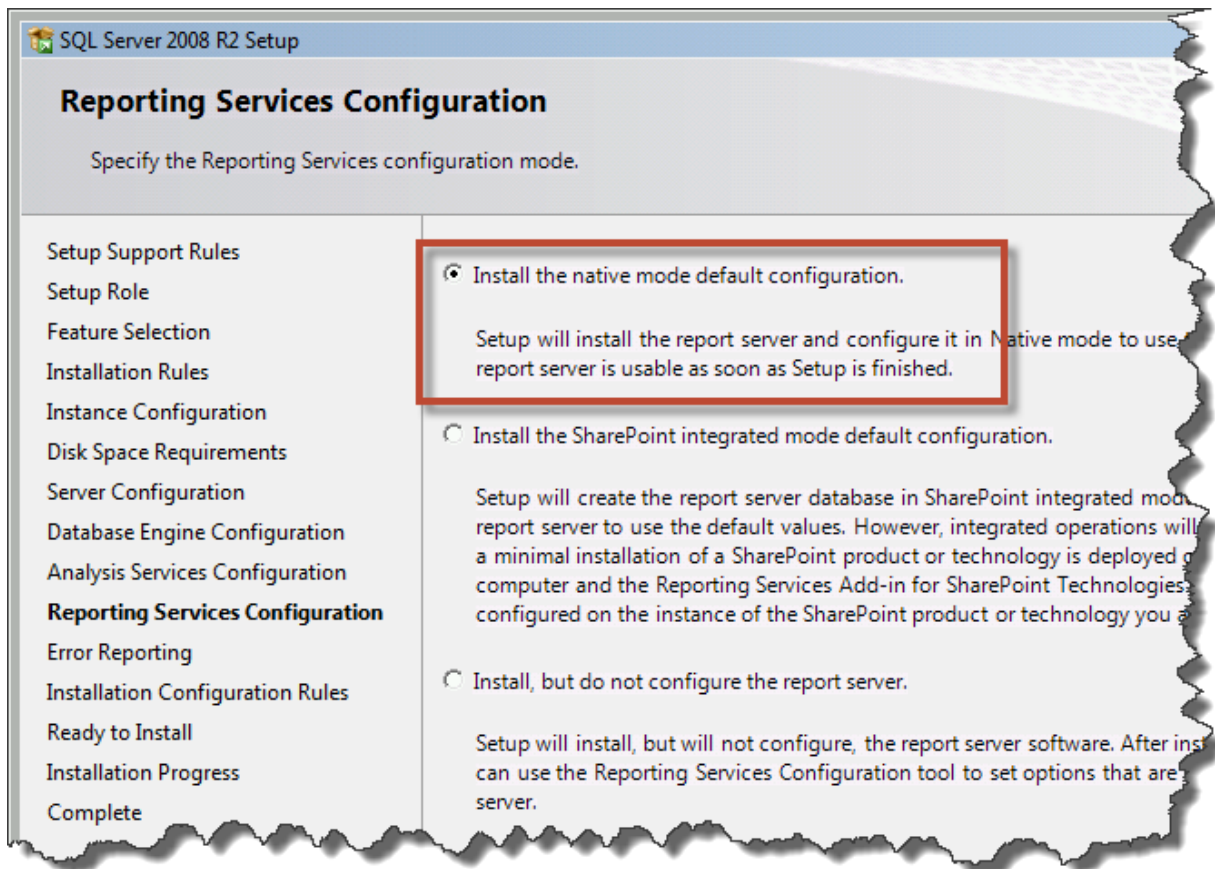
- Click **Add Current User**
- Click **Next**

You should now be on the **Analysis Services Configuration** page.



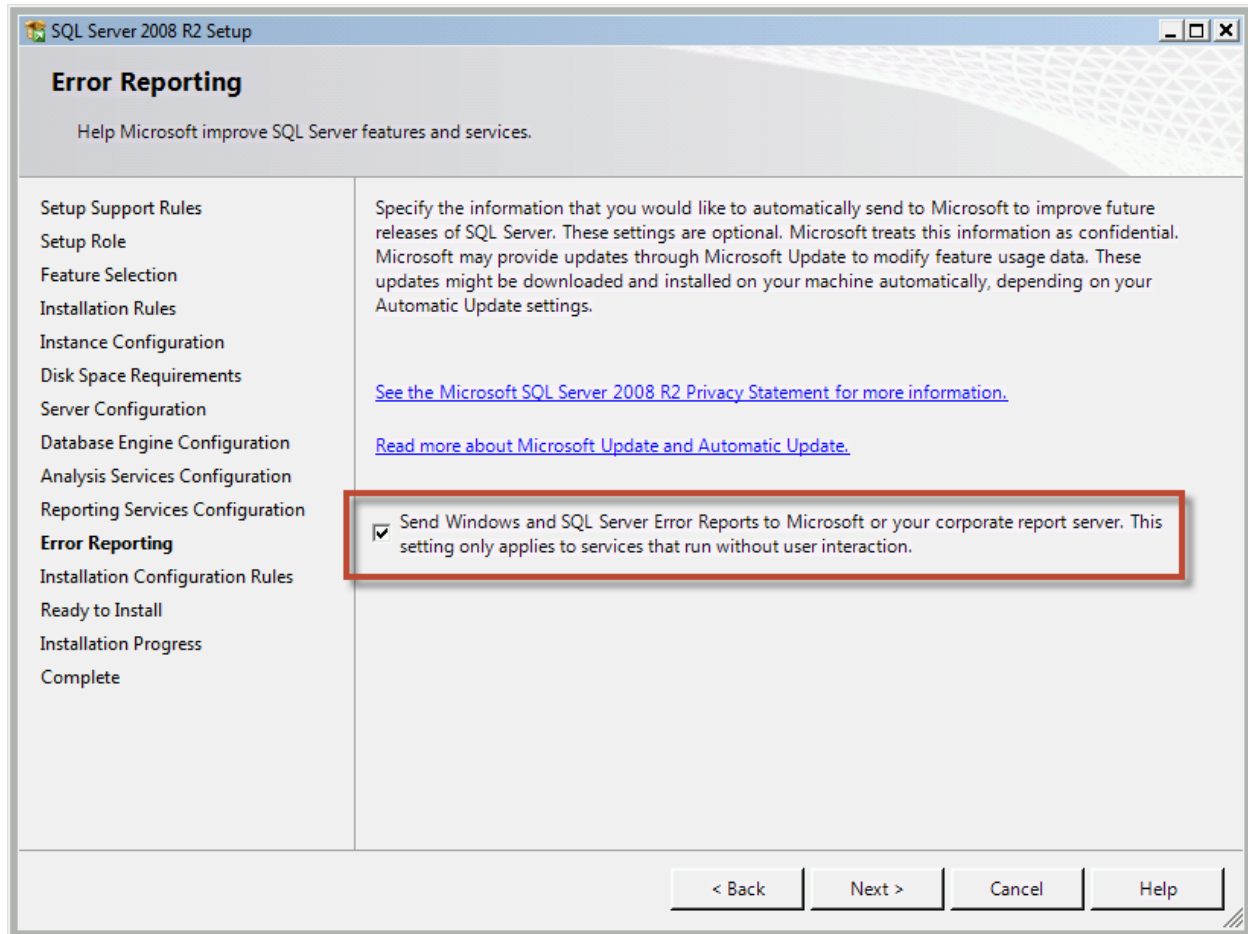
- Click **Add Current User**
- Click **Next**

You should now be on the **Reporting Services Configuration** page.



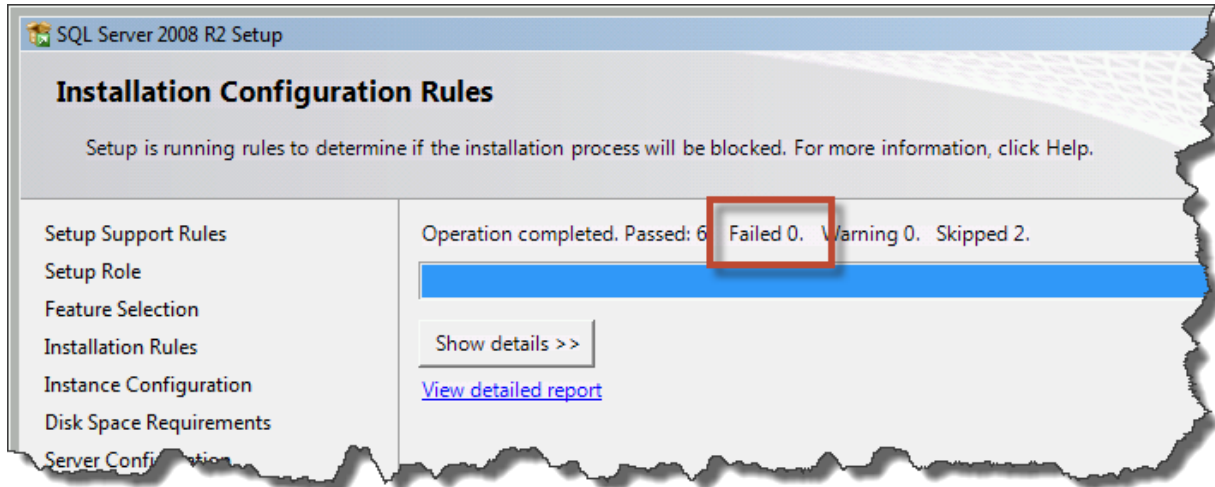
- Choose **Install the native mode default configuration**
- Click **Next**

You should now be on the **Error Reporting** page.

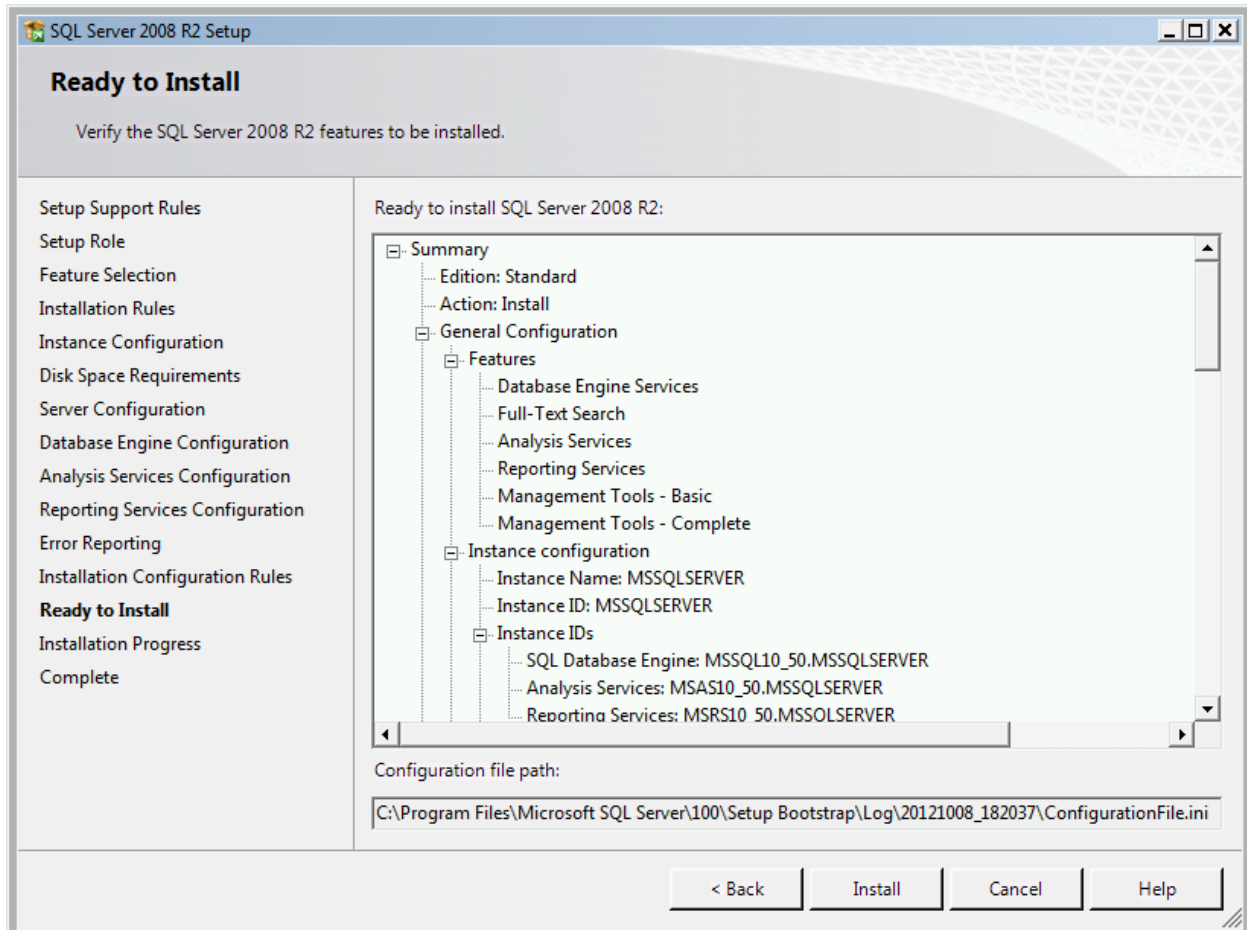


- (Optional) Check **Send Windows and SQL Server Error Reports...**
- Click **Next**

The installer will run another rules check on the **Installation Configuration Rules** page.

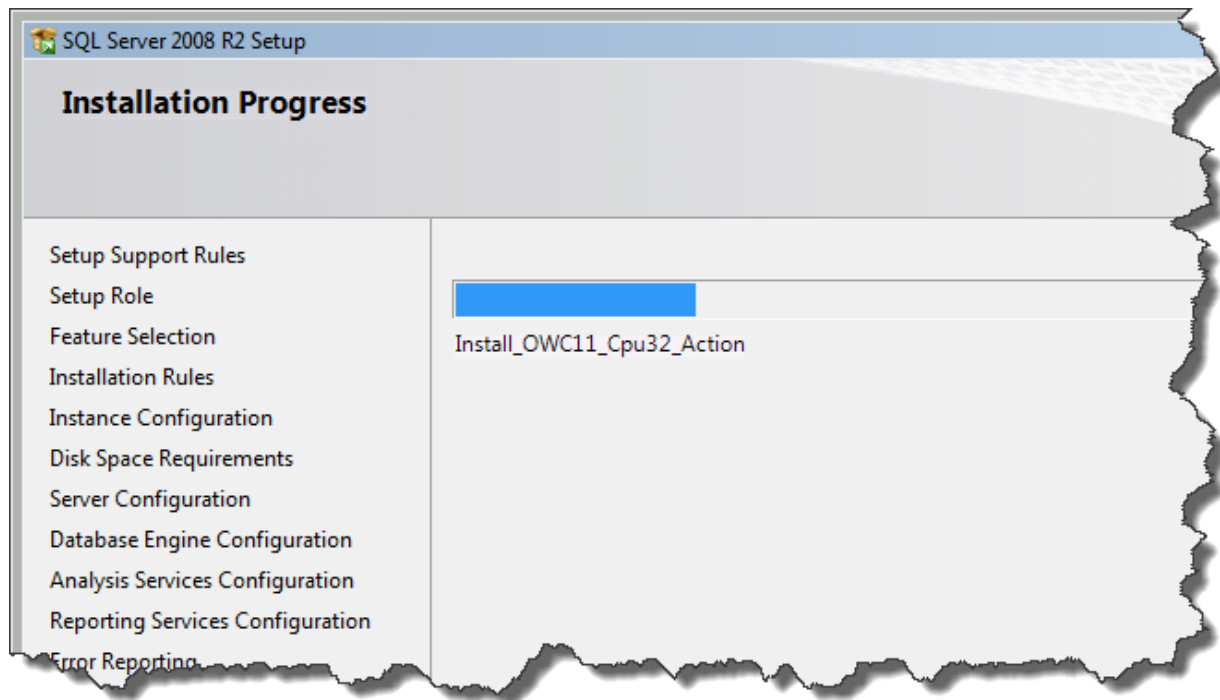


- Verify that **Failed** is **0**
- Click **Next**

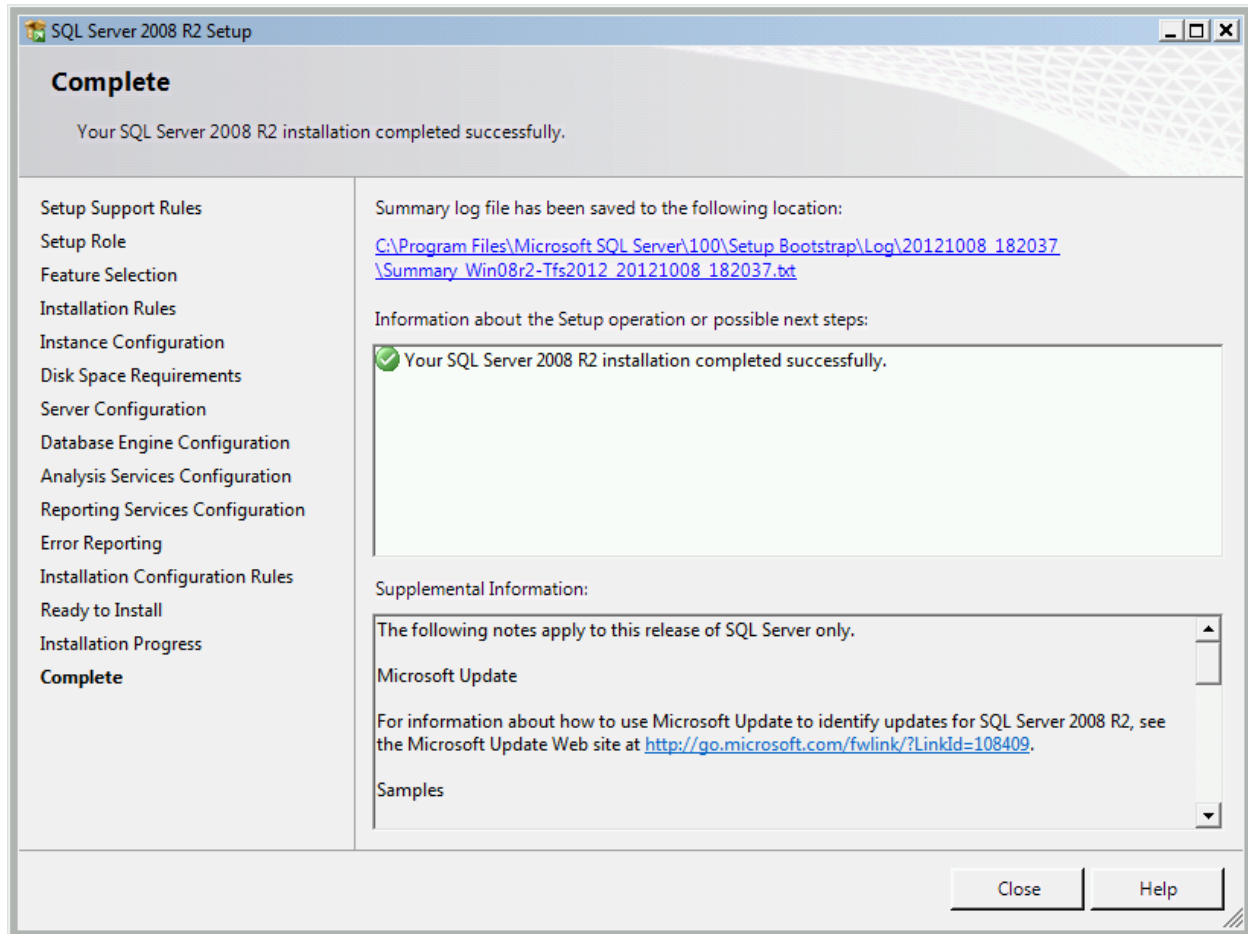


- Click **Install**

The installation should now be in progress.



The installation should now be completed.



- Click **Close**

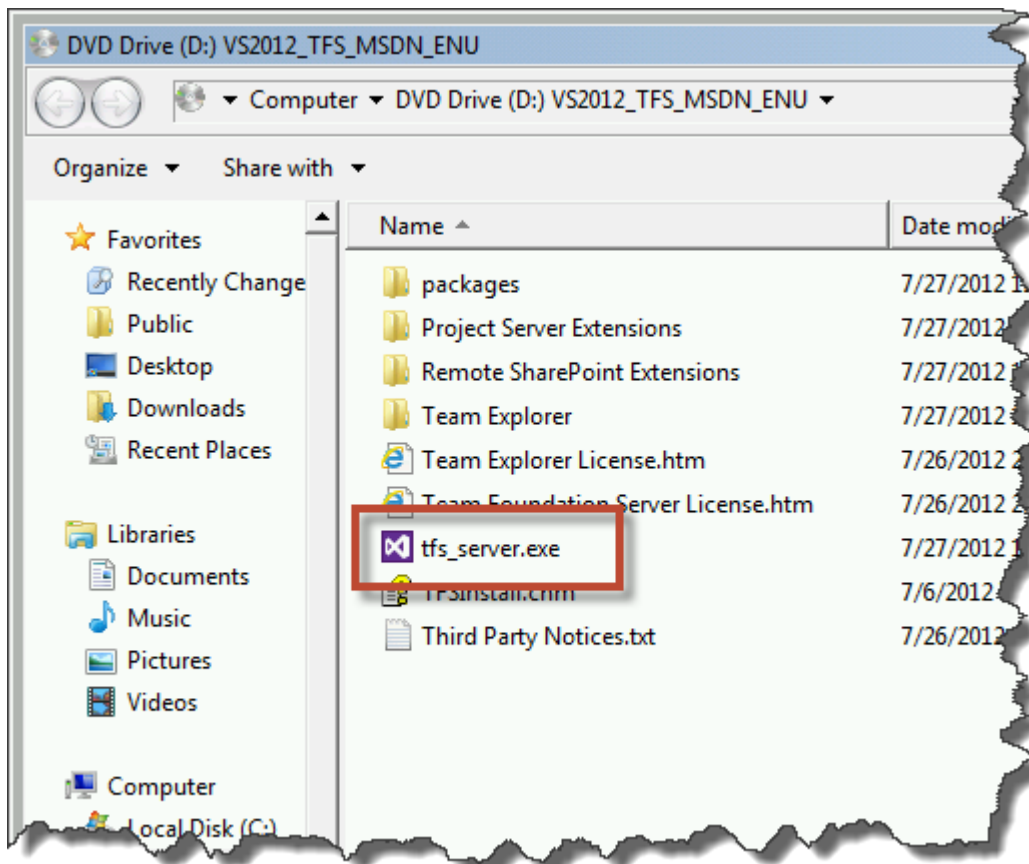
Now that SQL Server 2008 R2 is installed, you should install the latest service pack and any updates that are available from Windows Update.

Lab 03: Install Team Foundation Server 2012

This chapter will guide you through the process of installing Team Foundation Server 2012.

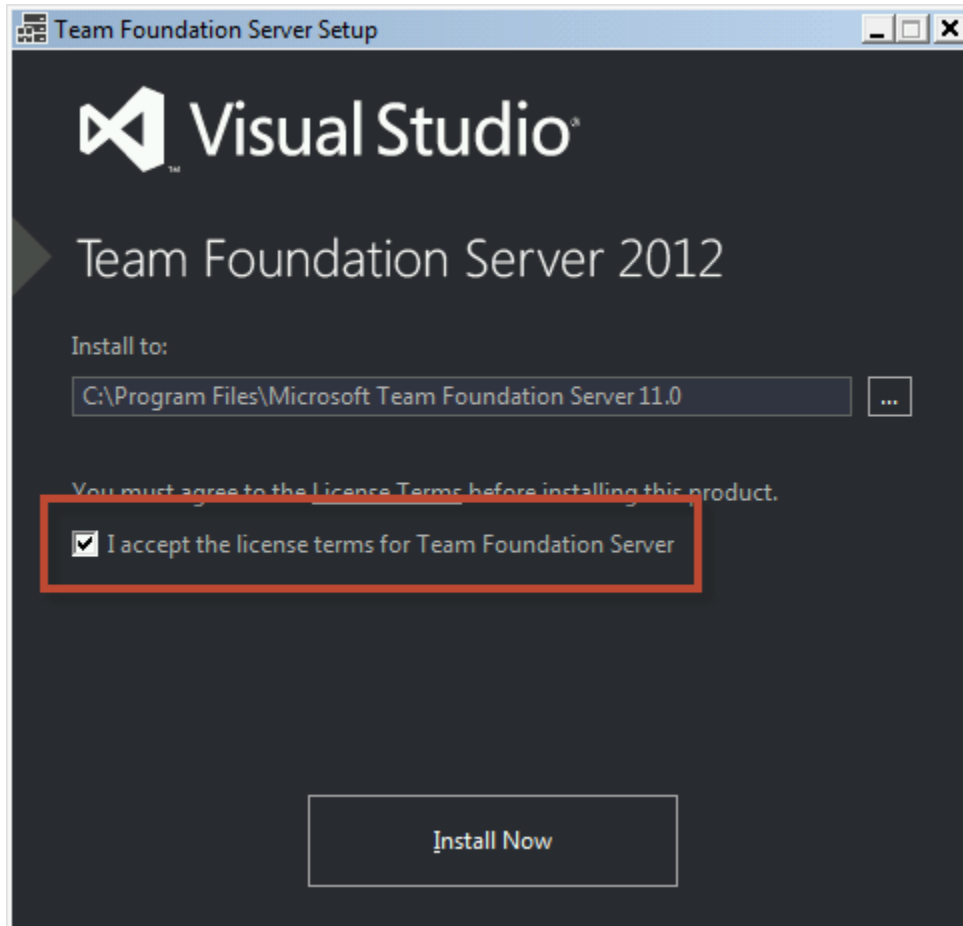
- Insert your TFS2012 disc or mount the appropriate ISO
- Open **explorer.exe** (aka. Windows Explorer)
- Navigate to your DVD drive

You should now be looking at an Explorer window that looks like the image below.



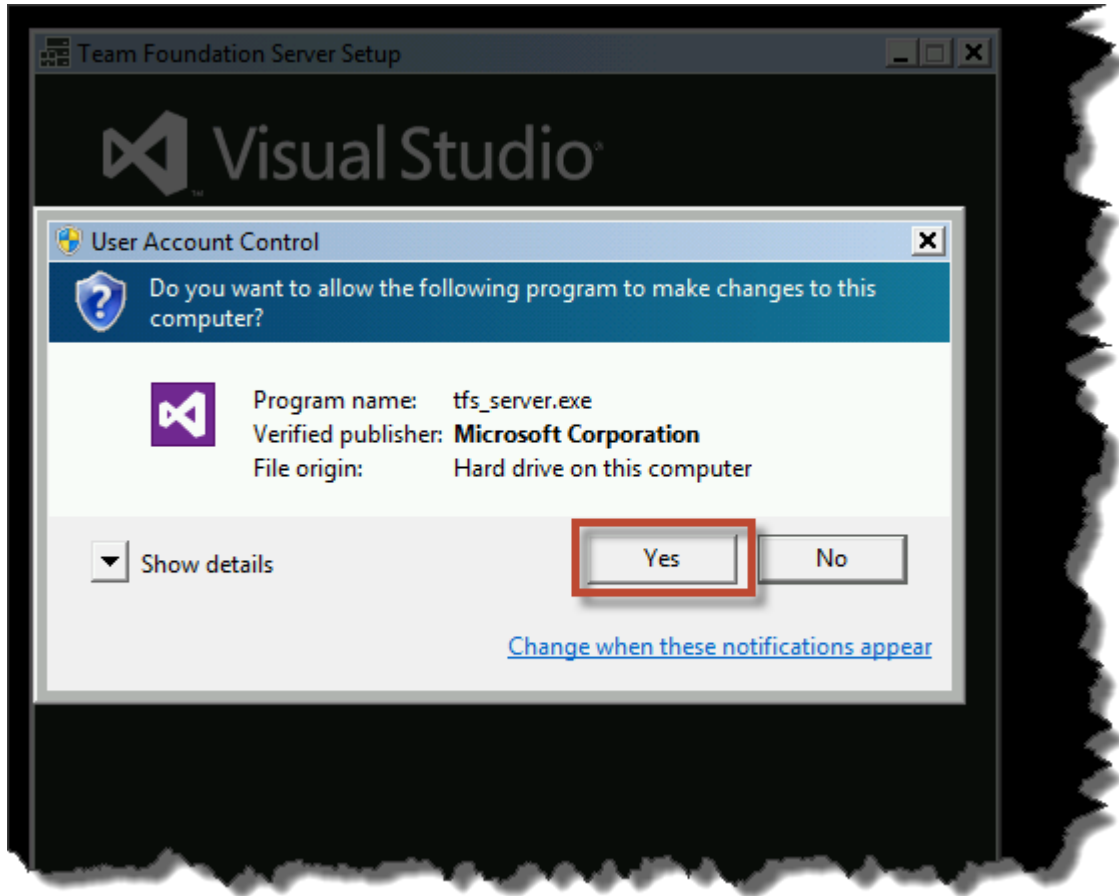
- Double-click **tfs_server.exe**

You should now see the **Team Foundation Server Setup** welcome screen.



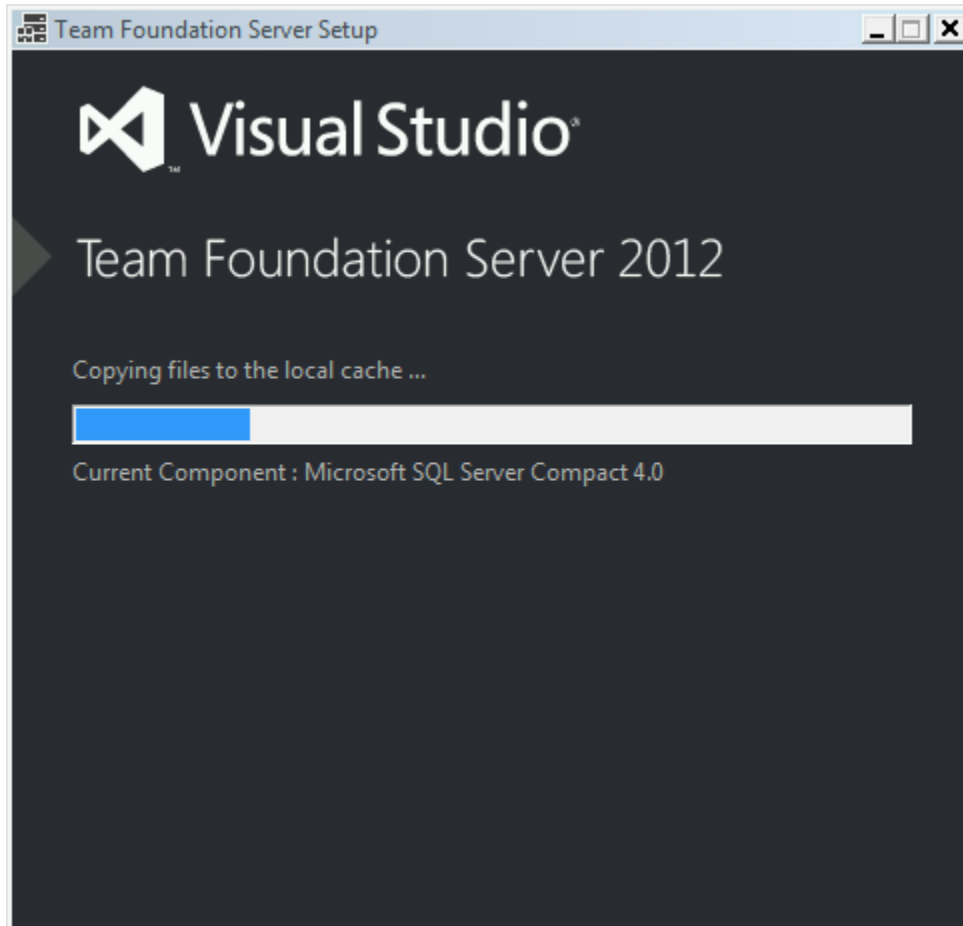
- Check **I accept the license terms for Team Foundation Server**
- Click **Install Now**

You will probably be prompted with a User Account Control dialog.

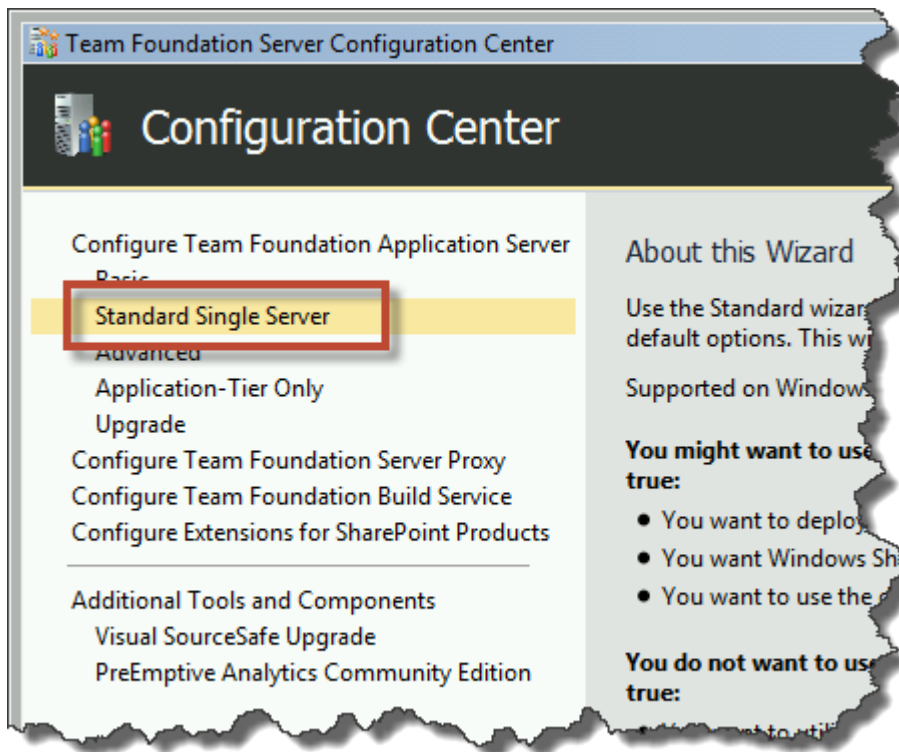


- Click **Yes**

The installer should now be running.

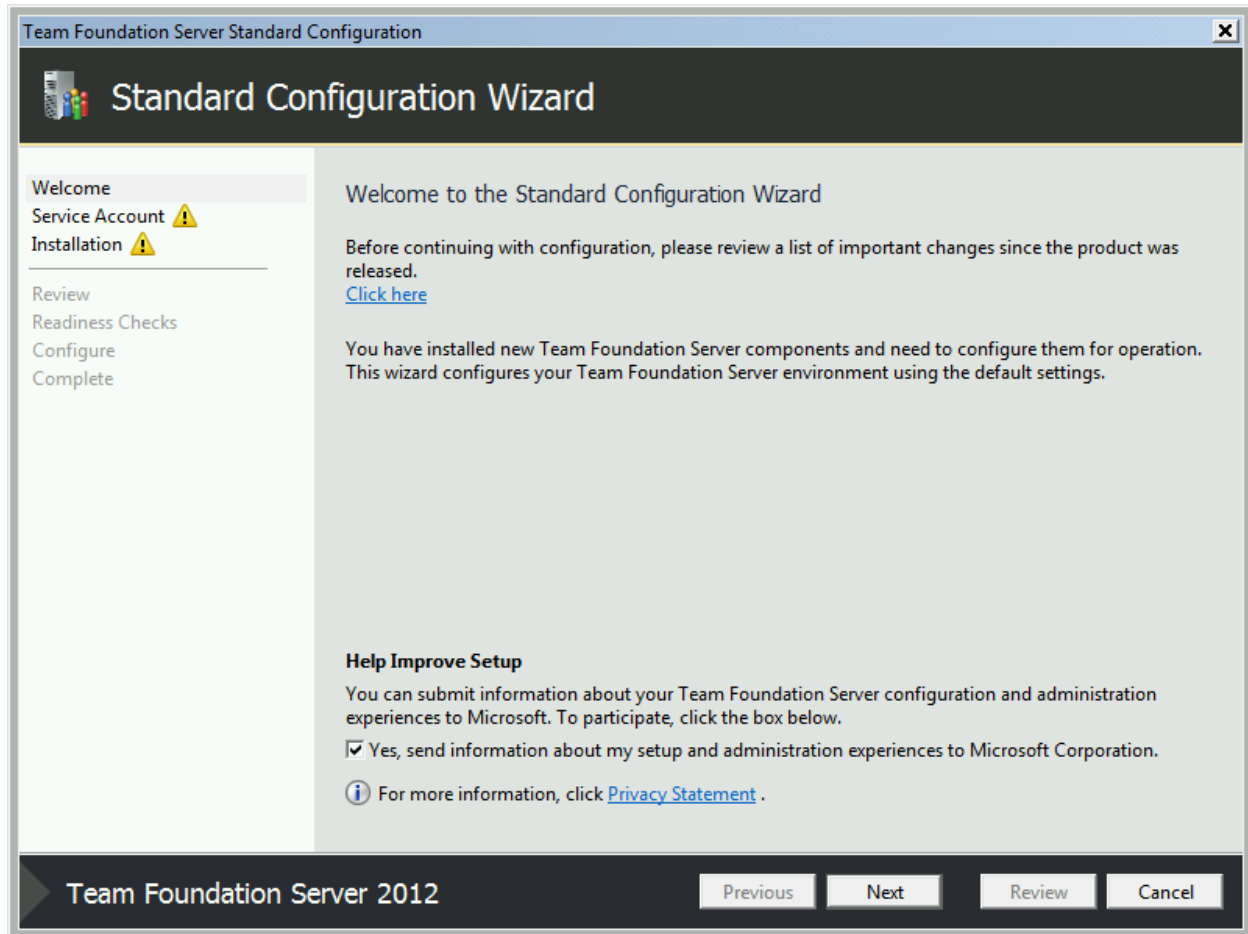


After the installer finishes, you'll see the **Team Foundation Server Configuration Center**.



- Click **Standard Single Server**
- Click **Start Wizard**

You should now see the **Standard Configuration Wizard**.



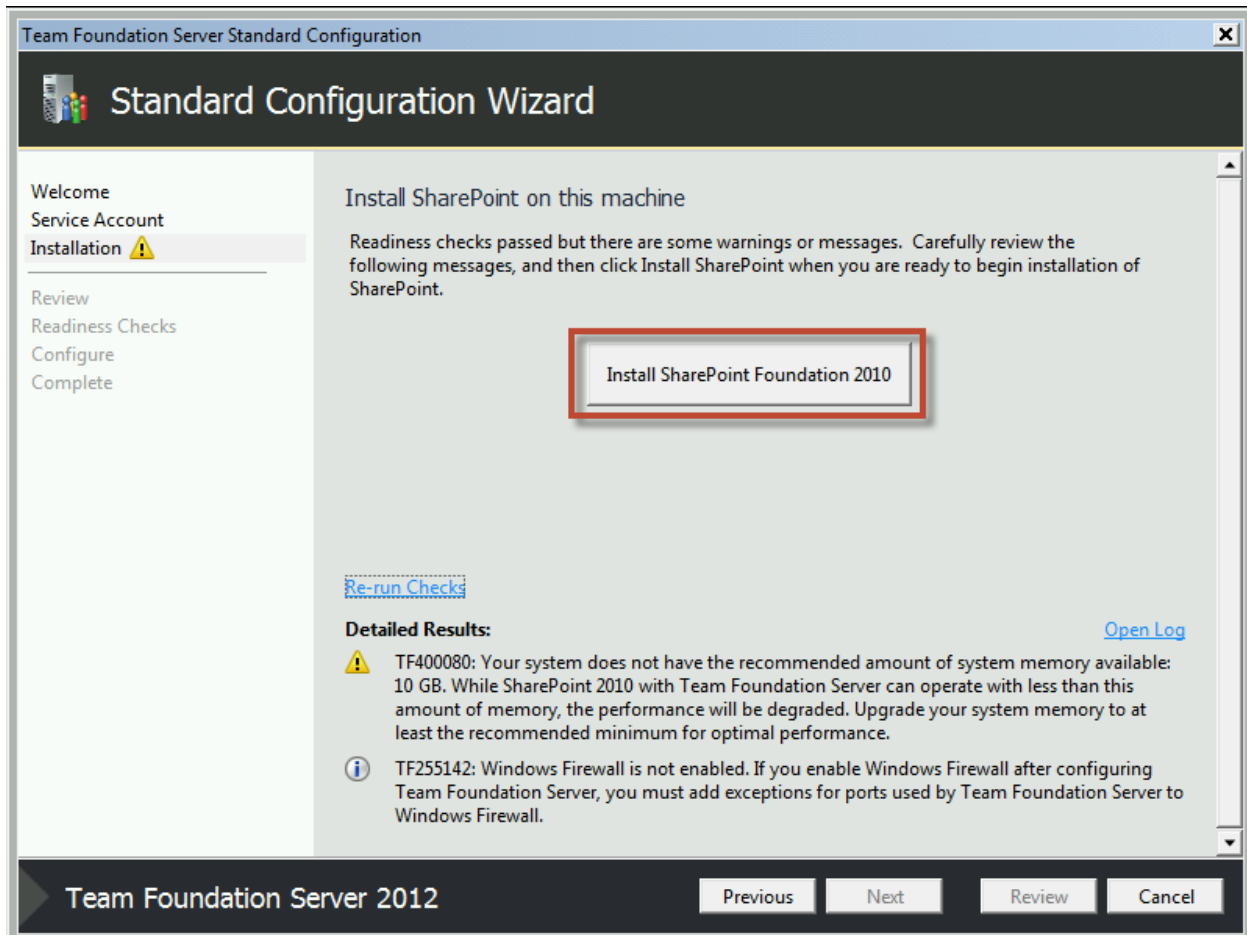
- Click **Next**

You should now be on the **Service Account** screen where you are prompted for a username and password for the integration from TFS to Reporting Services and SharePoint.



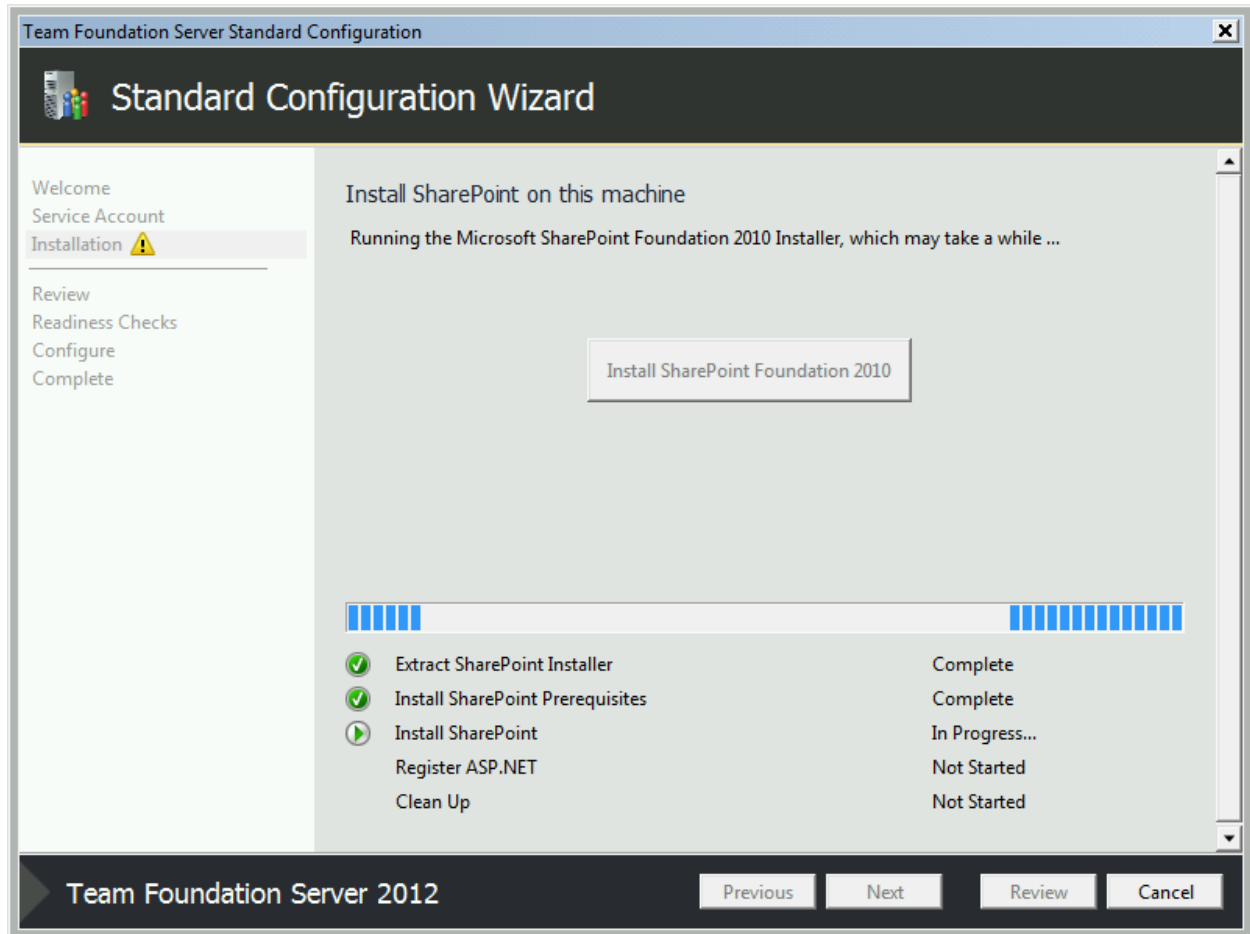
- In the **Account Name** box, enter the username you want to use. (You'll probably want to use the TFSReports username.)
- In the **Password** box, enter the password for the user
- Click the **Test** button to verify the username and password
- Click **Next**

You should now see the **Install SharePoint on this machine** page of the installer. Unless you have 10GB of RAM on your server, you're going to get a TF400080 warning in the validation results. In my opinion, you can safely ignore this if you don't mind SharePoint being a little slow.

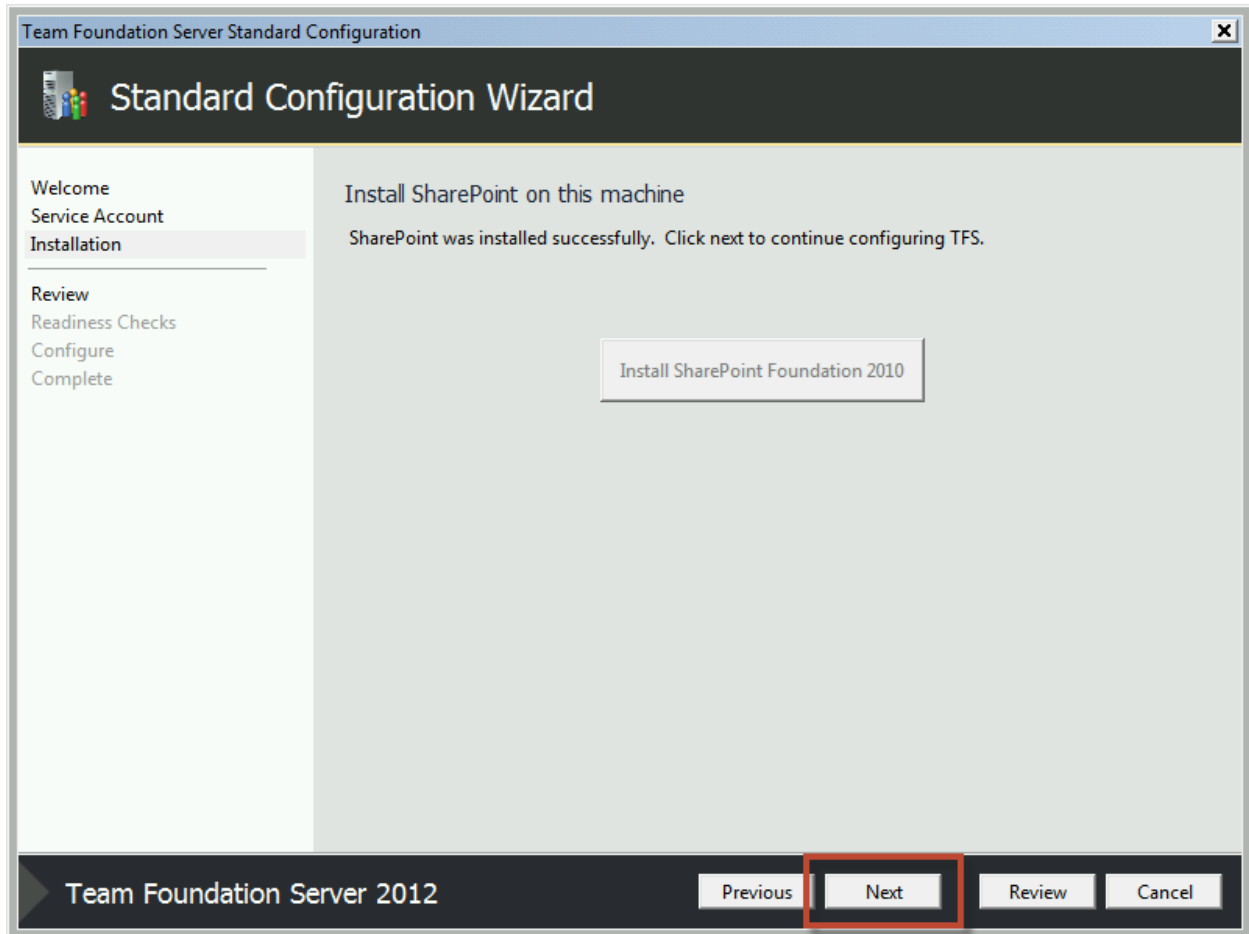


- Click **Install SharePoint Foundation 2010**

The installer for SharePoint should now be running.

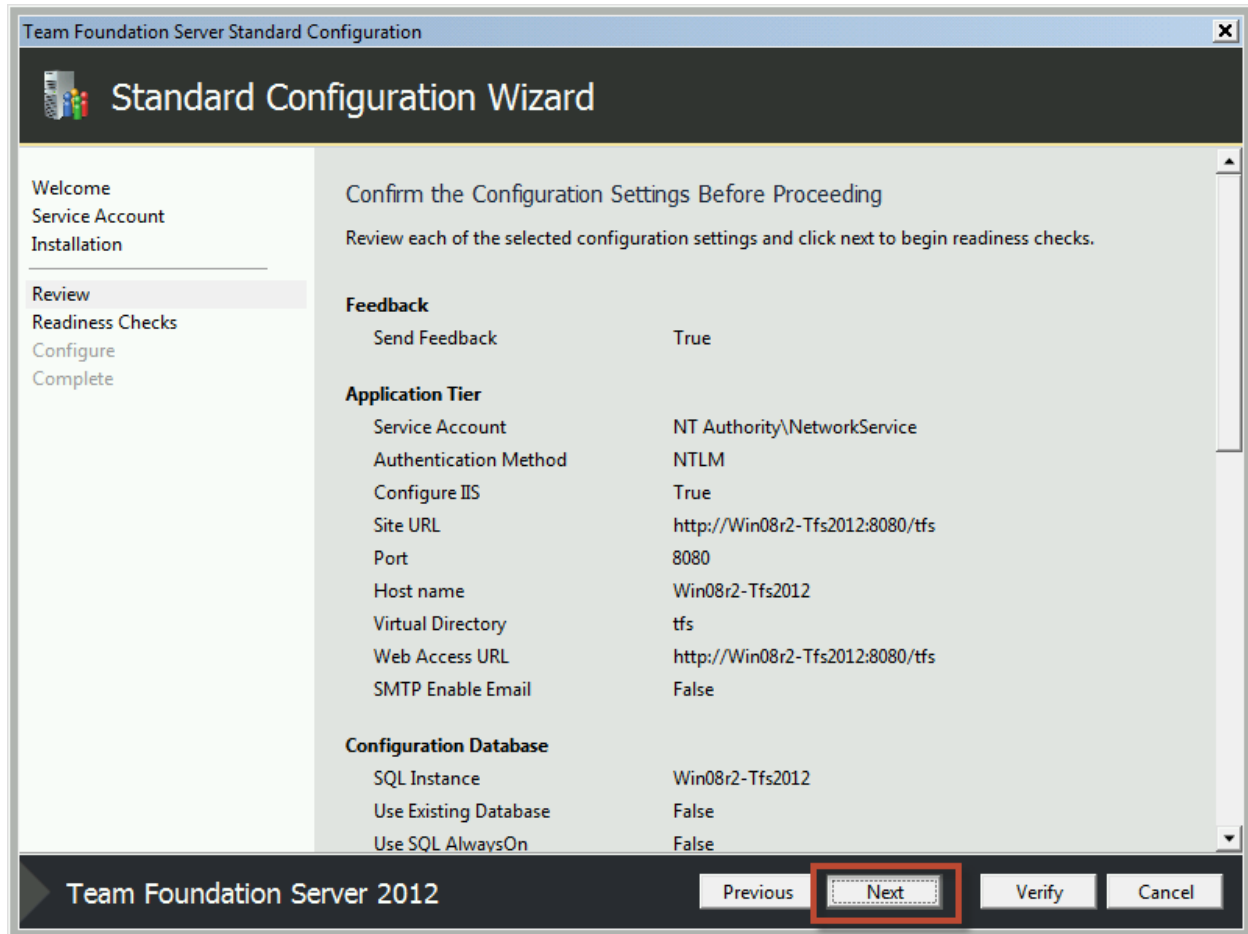


The installation of SharePoint should eventually complete.



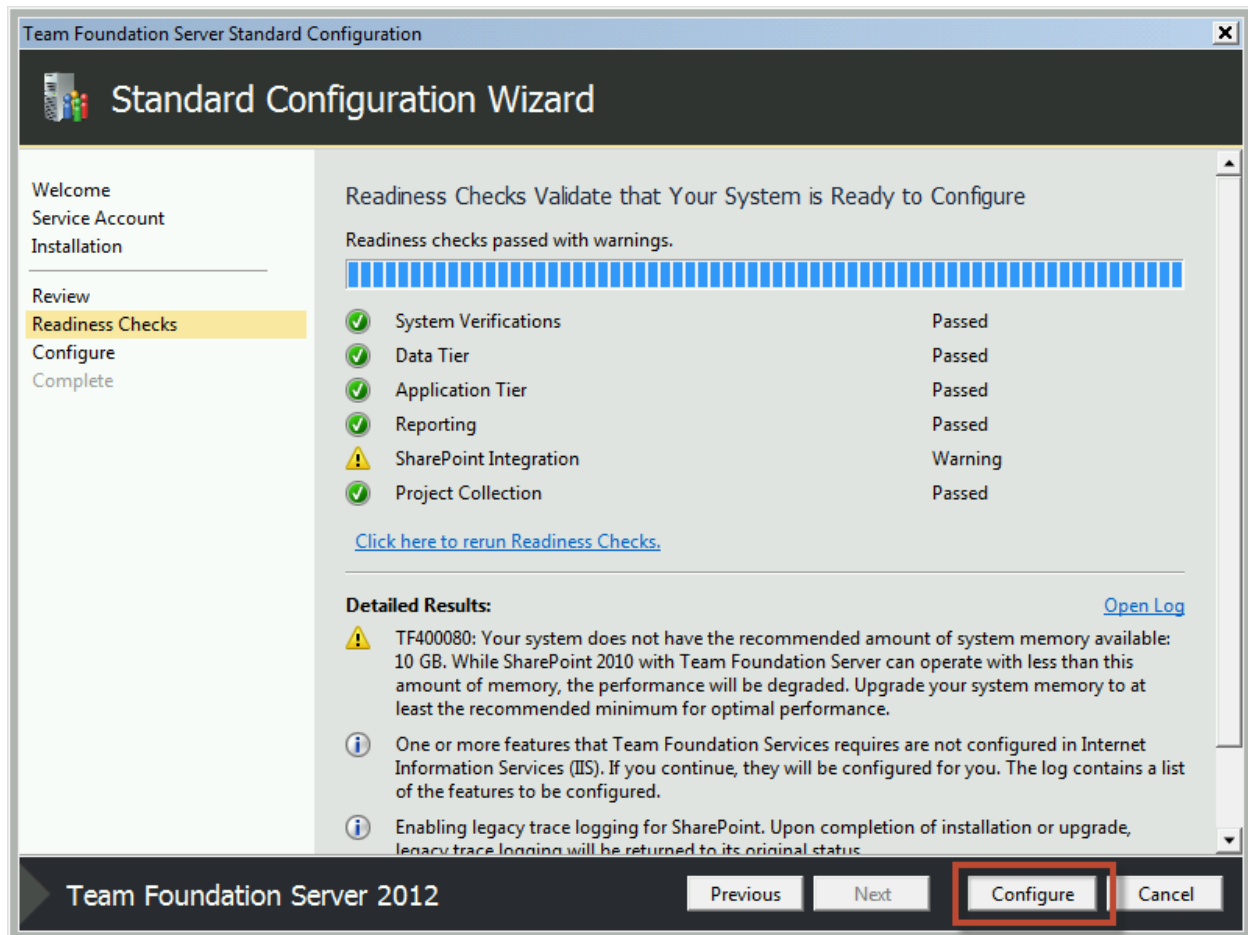
- Verify that the message says **Sharepoing was installed successfully**
- Click **Next**

You should now be on the **Confirm the Configuration Settings Before Proceeding** page.



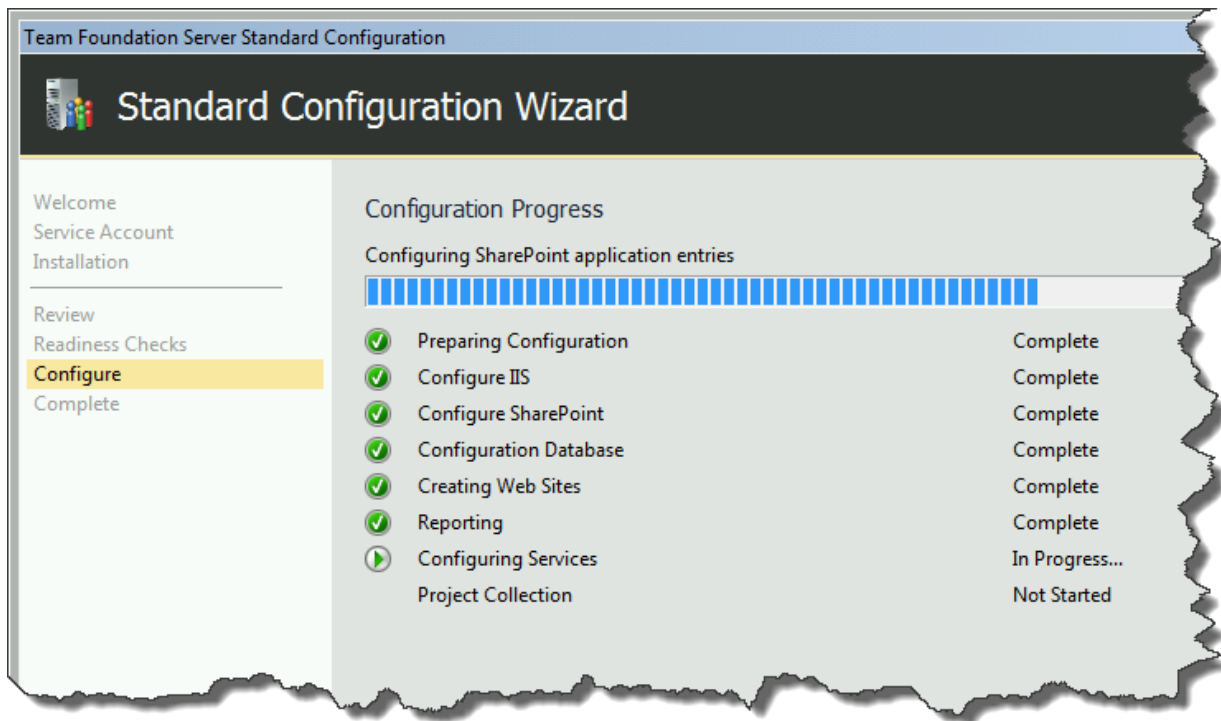
- Click **Next**

The installer will now run a series of checks on your system to verify whether the configuration is valid. Once again, you may receive the TF400080 warning about SharePoint 2010 and less than 10GB of memory. This can be safely ignored.

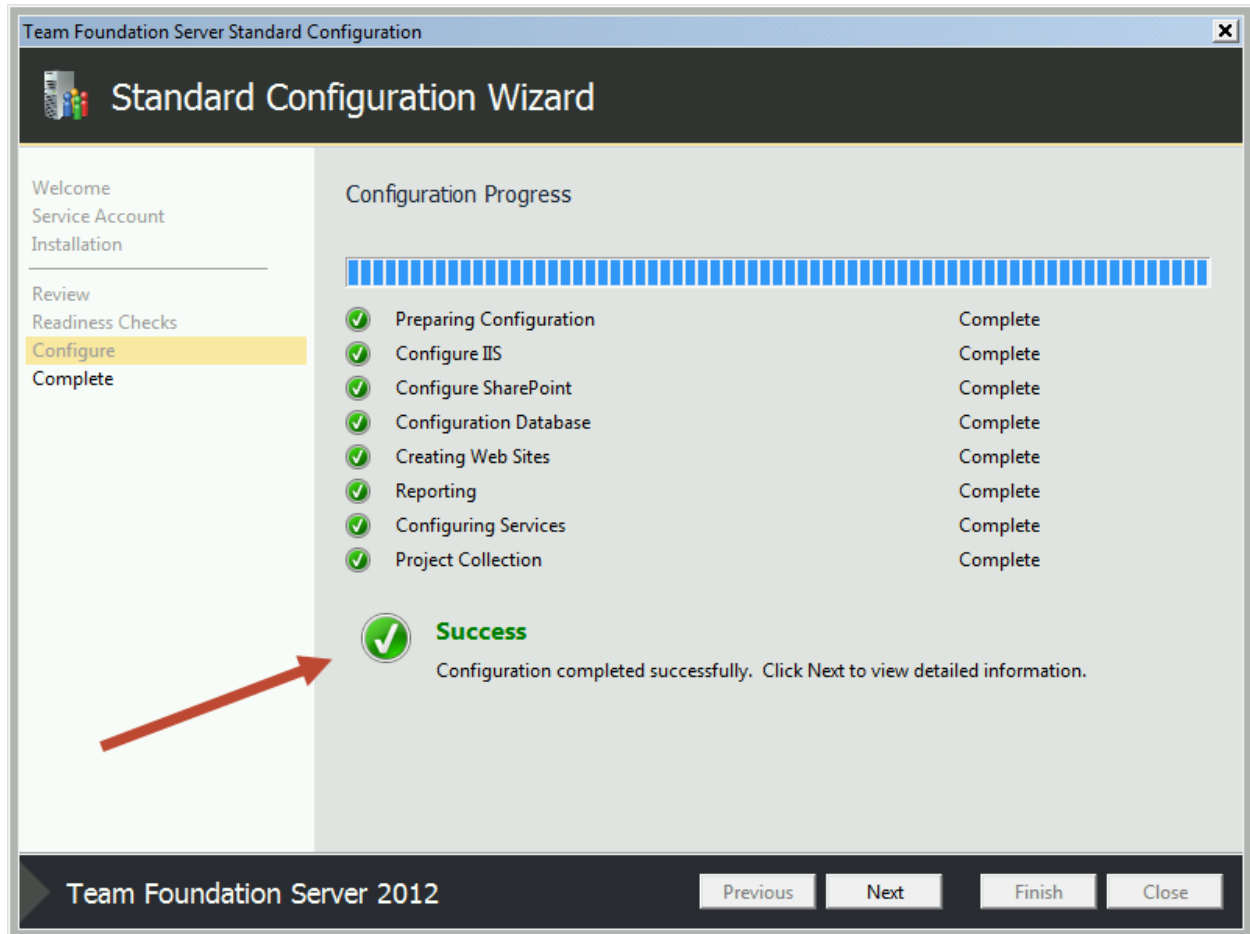


- Click the **Configure** button

The installer should now be configuring TFS.

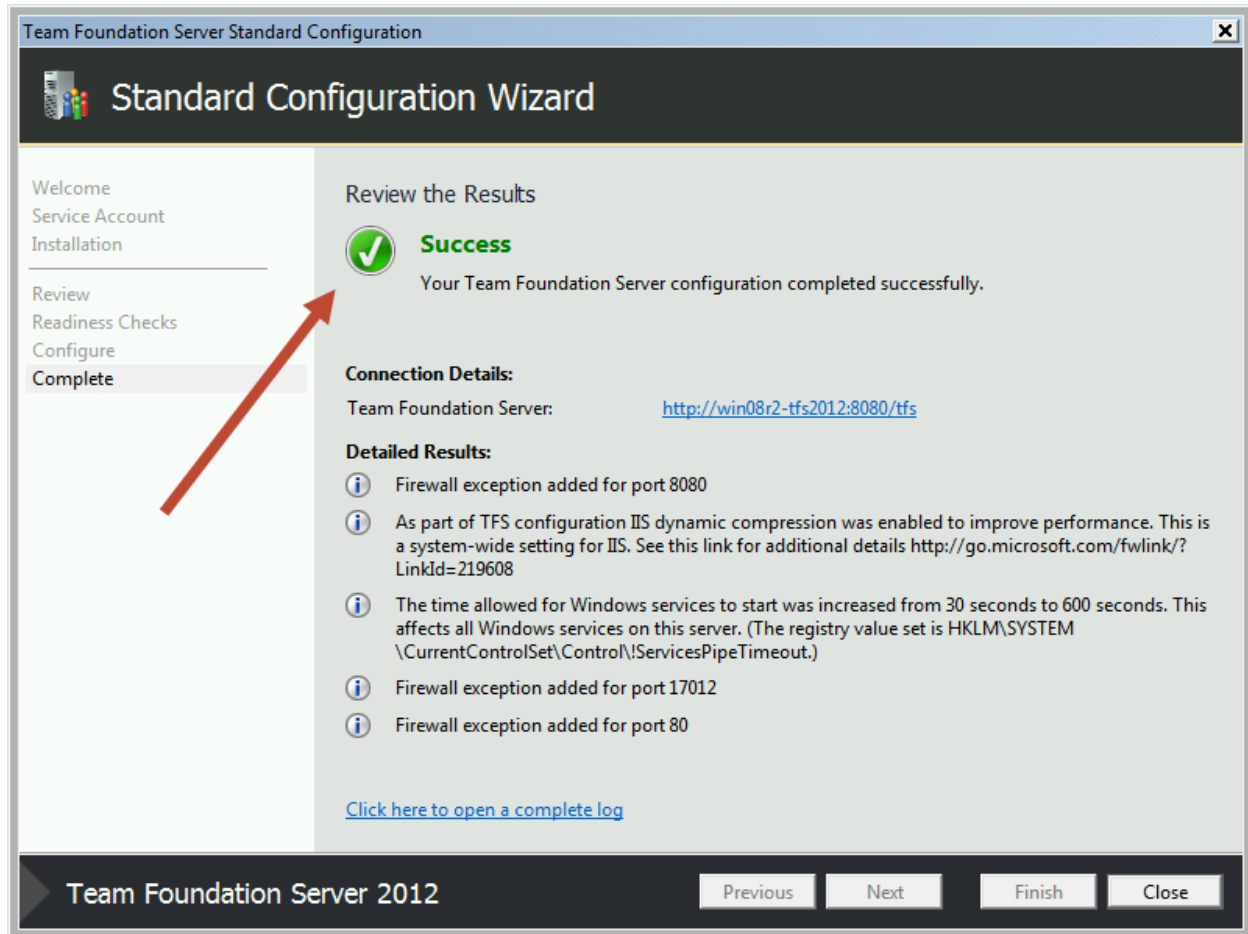


The configuration should complete with the message of **Success**.



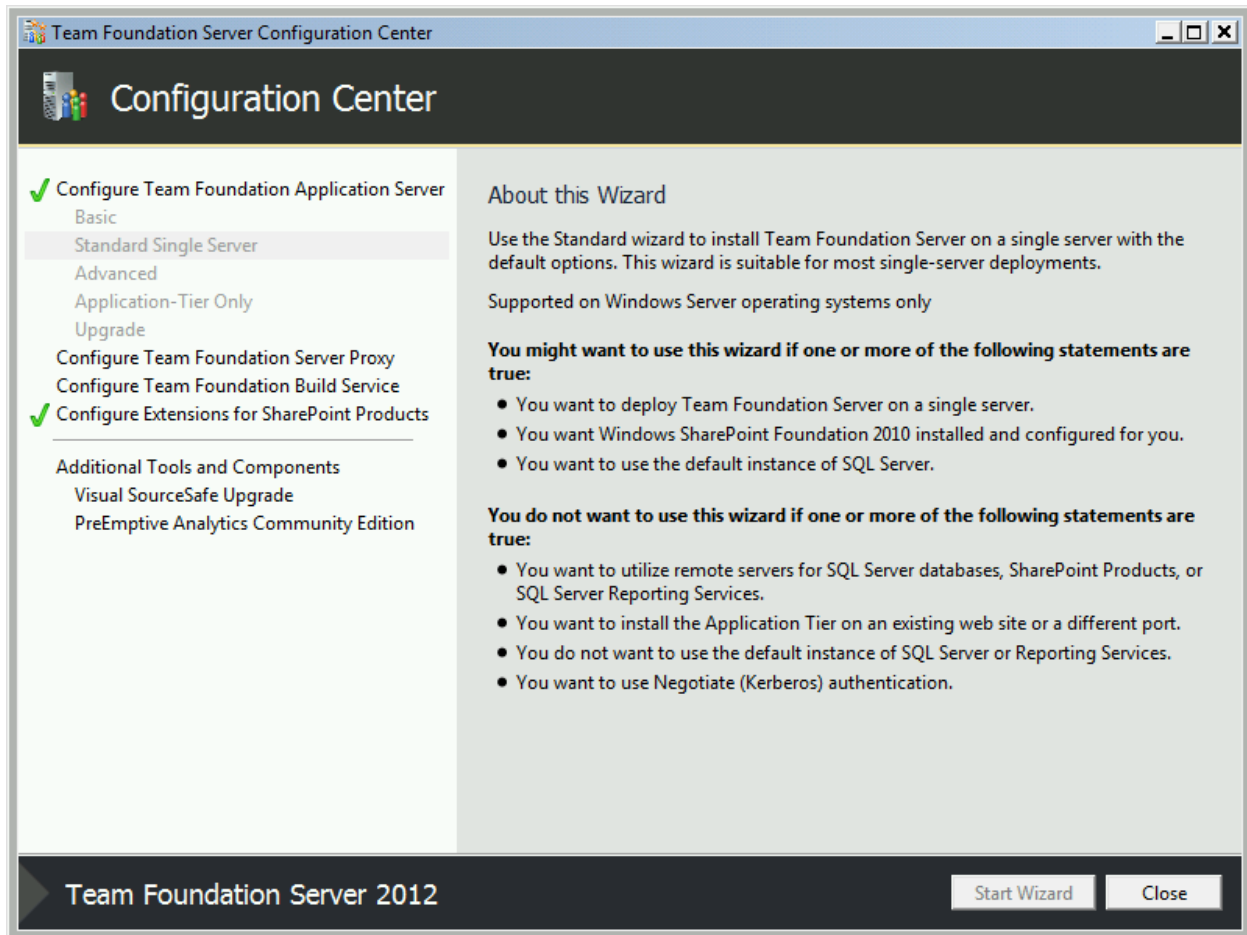
- Click **Next**

You should now be on a configuration summary page which should also report **Success**.



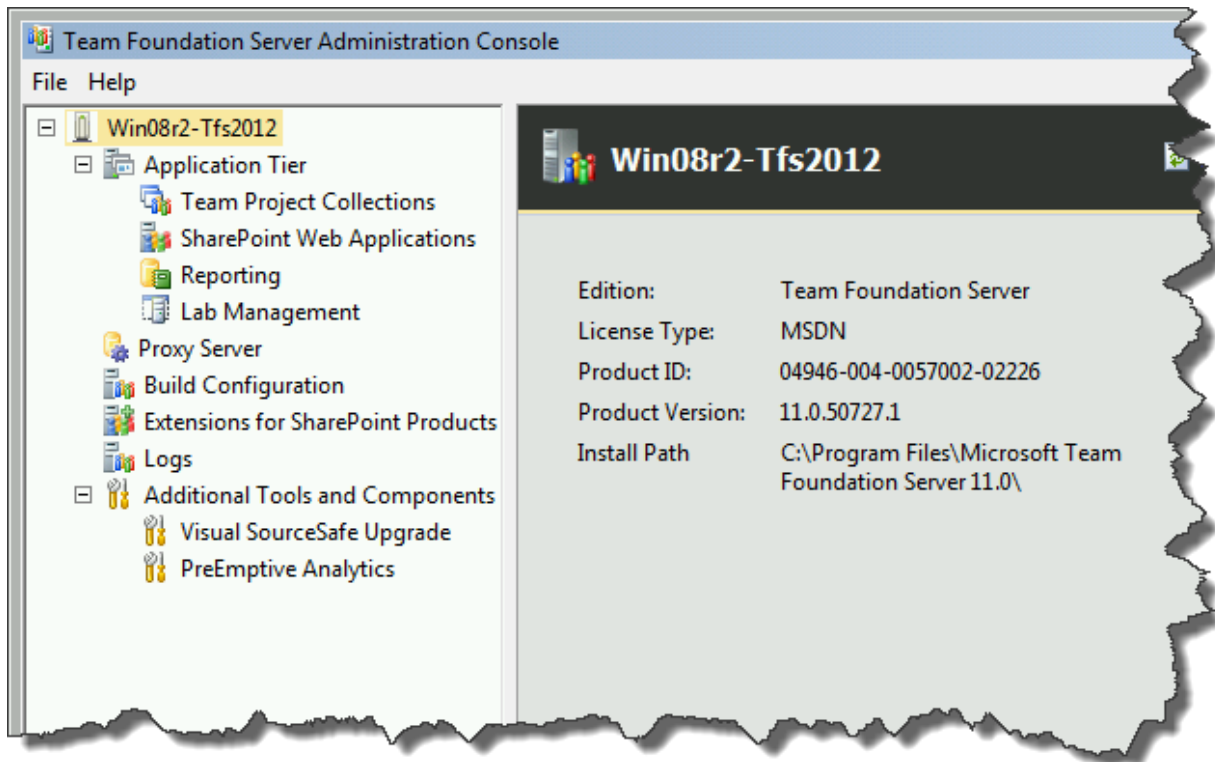
- Click **Close**

You should now be back at the main landing page of the **Team Foundation Server Configuration Center**.



- Click **Close**

The Configuration Center window will close and the **Team Foundation Server Administration Console** will launch.



Team Foundation Server 2012 is now installed.

Lab 04: Update the TFS2012 Service Account

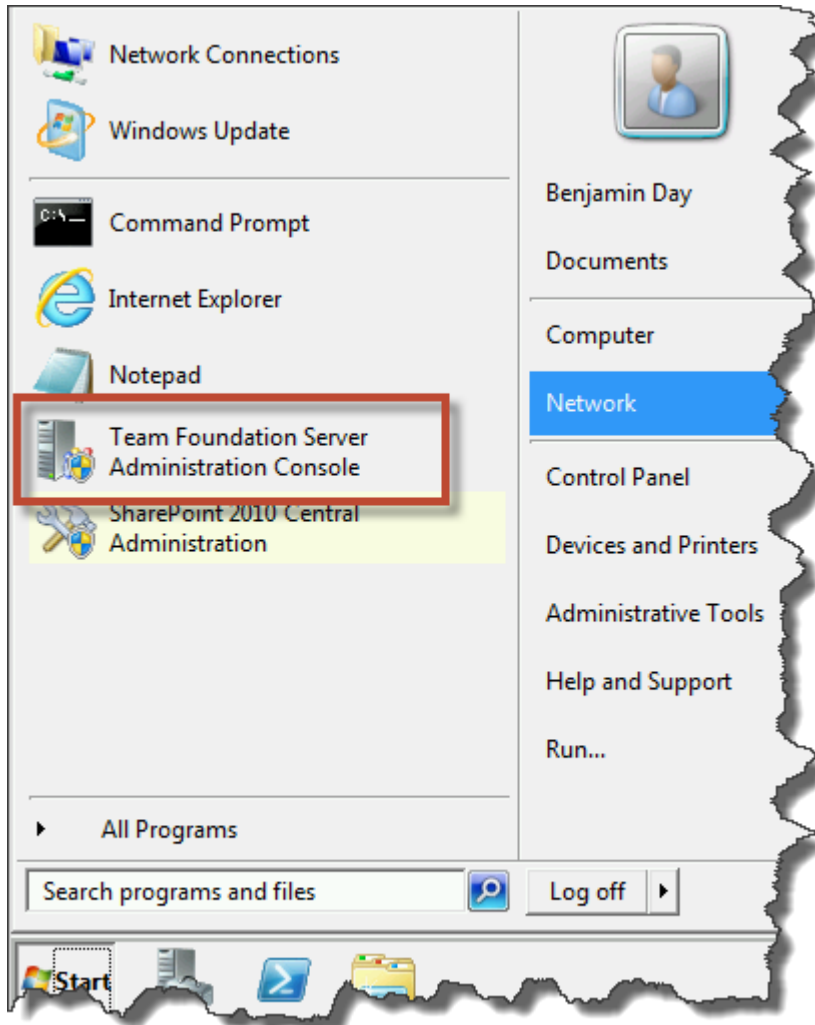
At the moment, TFS2012 is installed so that it runs under the username **NT AUTHORITY\NETWORK SERVICE**. This is fine if you are planning to use TFS2012 as is – without any build servers and without TFS Lab Management installed – but I find that permissions management can be a lot easier if you use a regular domain account.

In this lab, you'll modify TFS2012 to use a different user for the service account. The user name you'll use is **TFSService** but it can be any Active Directory domain user.

This work will all be done on the TFS machine.

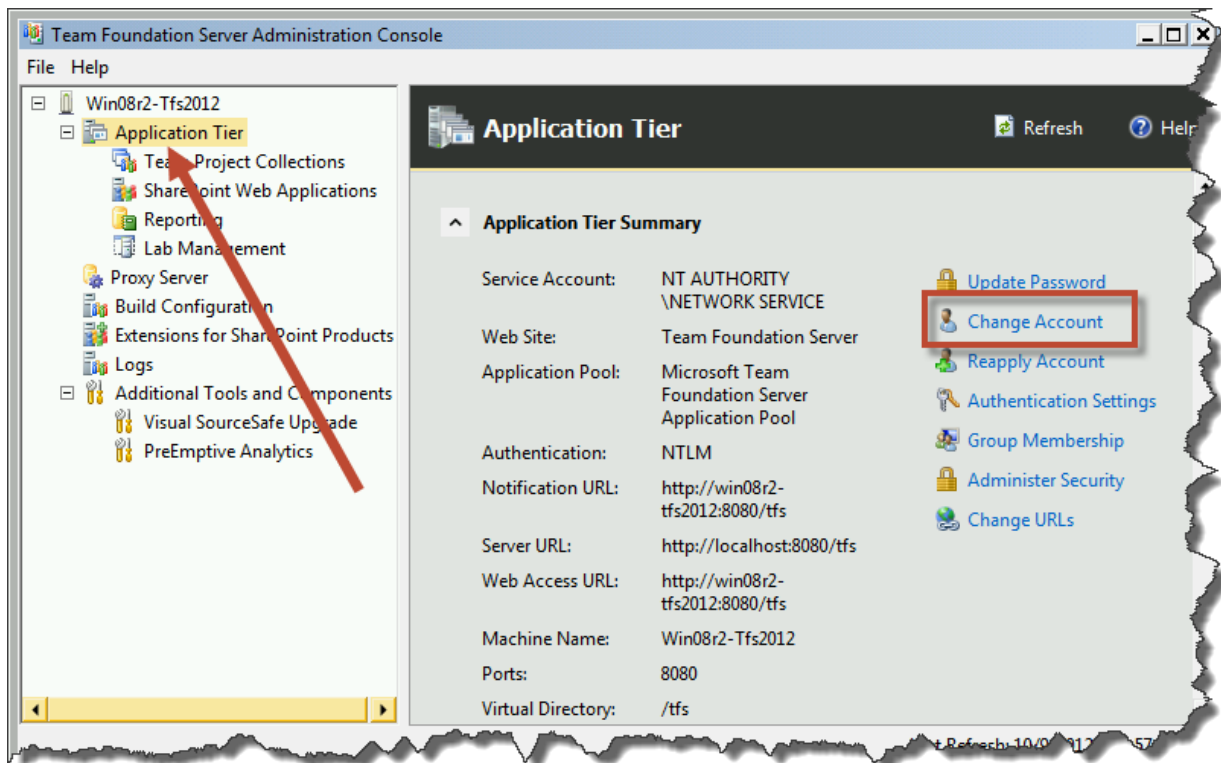
- Log in to the TFS machine as an administrator

You'll start by loading the Team Foundation Server Administration Console.



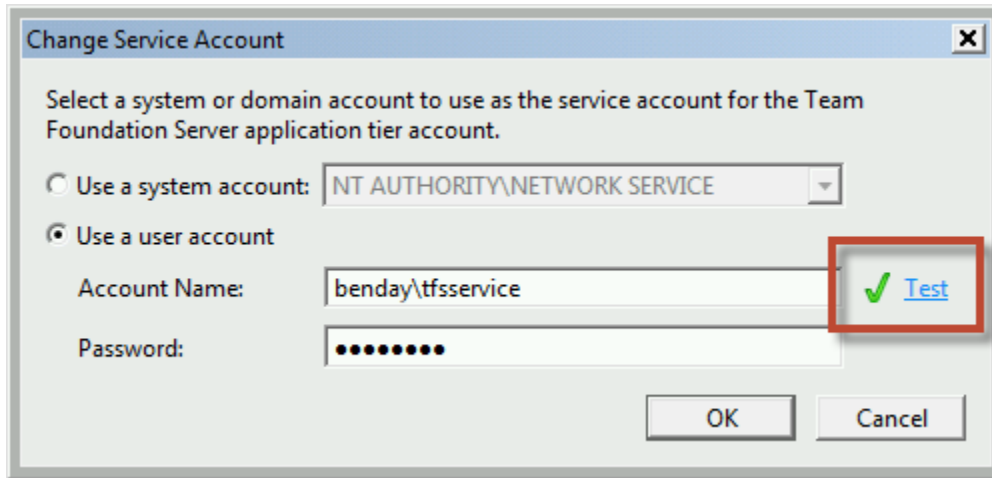
- Go to the Start menu
- Run **Team Foundation Server Administration Console**

You should now see the **Team Foundation Server Administration Console**.



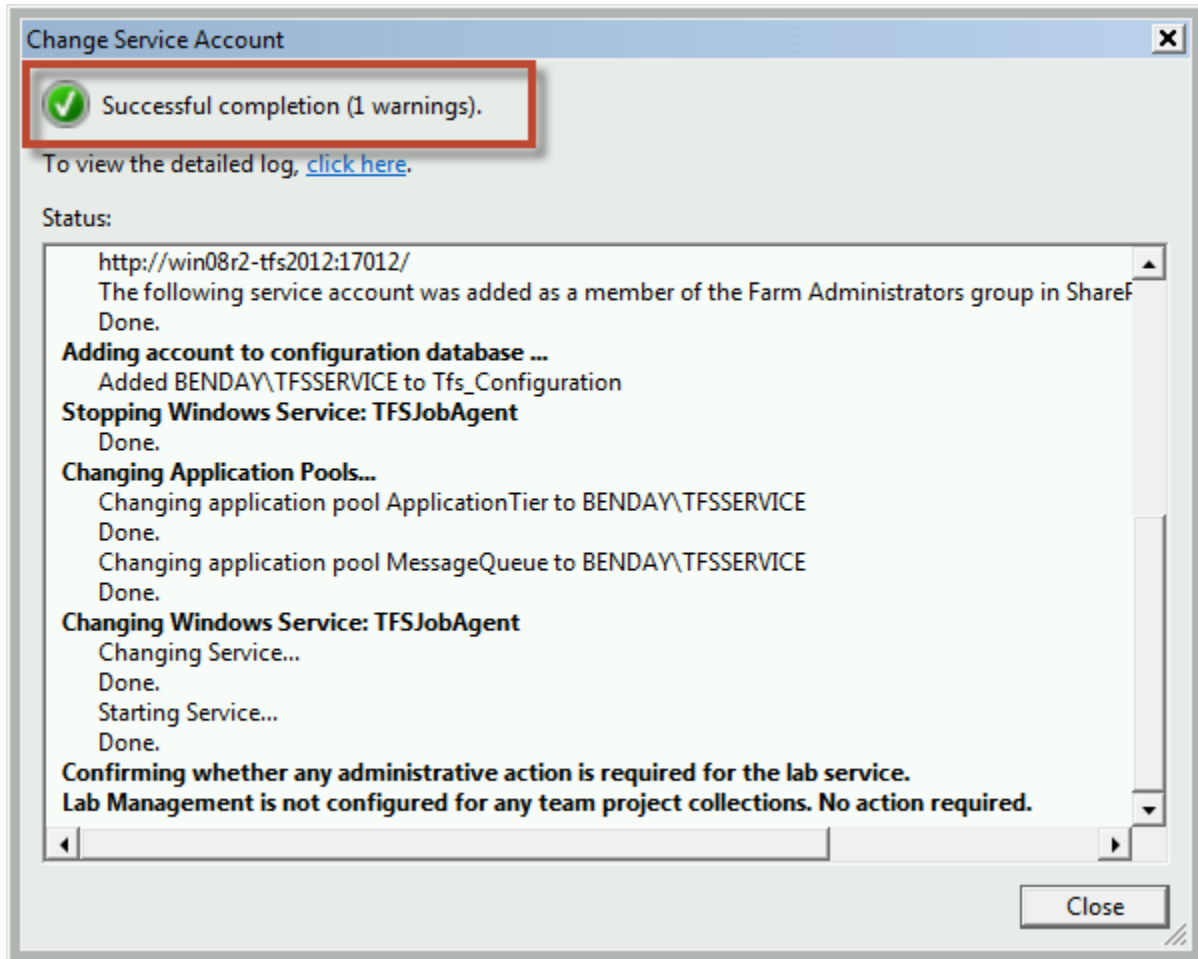
- In the left panel, click **Application Tier**
- In the right panel, click **Change Account**

You should now see a dialog titled **Change Service Account**.



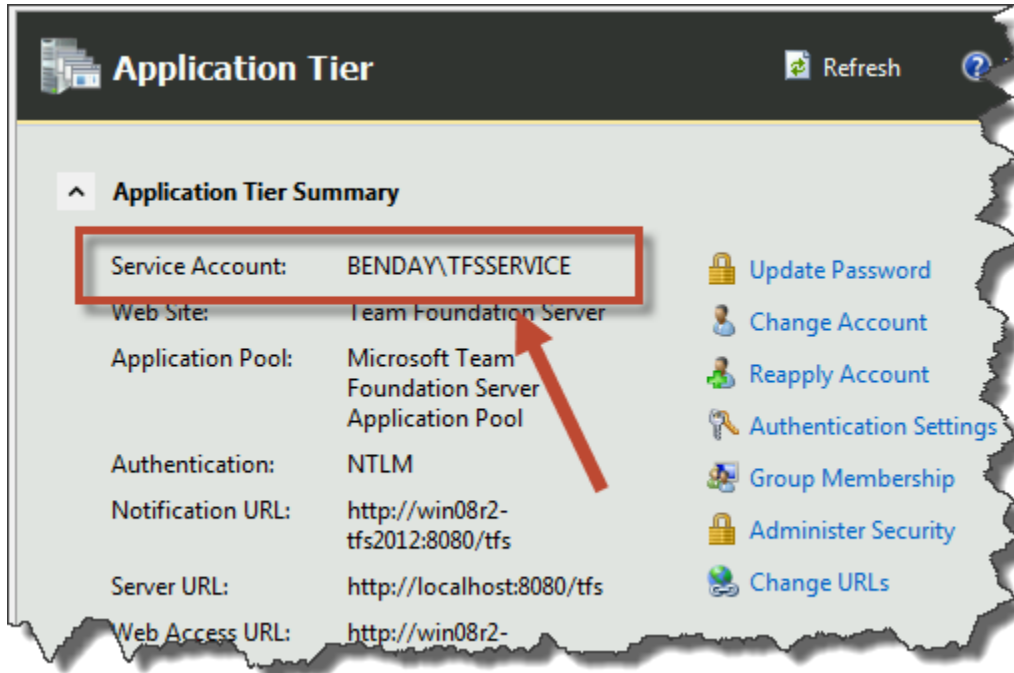
- Select **Use a user account**
- In the **Account Name** box, type the fully-qualified username (*domain\username*) you want to use
- In the **Password** box, type the password for the user account
- Click the **Test** button to verify the username and password
- Click the **OK** button

A new window should pop up named **Change Service Account**.



- After the operation is completed, verify that the operation was successful
- Click **Close**

The new service account should now be visible in the administration console window.



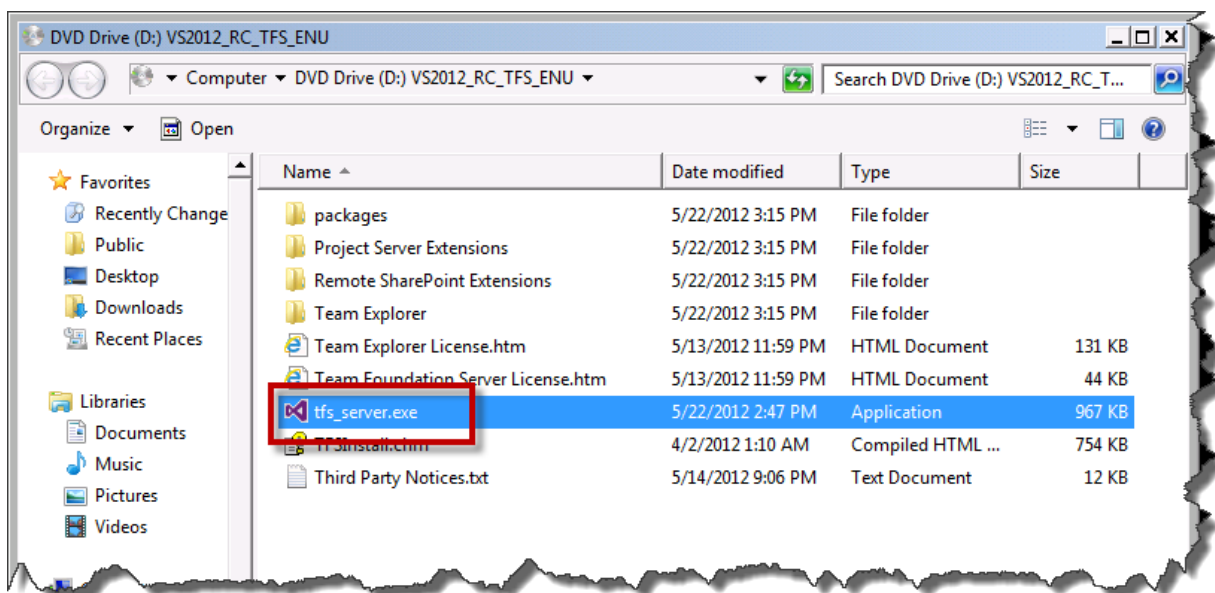
The service account for TFS2012 has now been changed.

Lab 05: Install the Team Foundation Server Build Service

In this module, you'll install the Team Foundation Server 2012 Build Service.

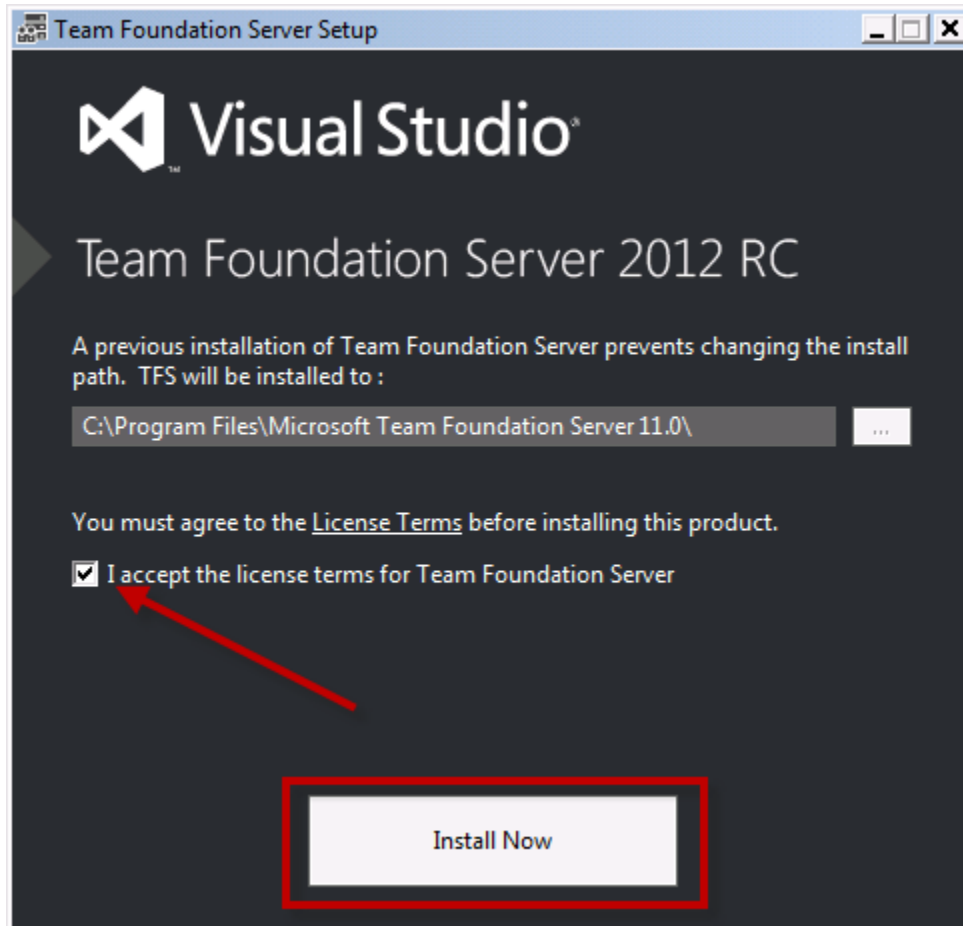
- Mount the **ISO for Team Foundation Server 2012**
- After mounting, open **Explorer.exe**
- Navigate to the root folder of the TFS installer

You should see directory that looks something like the screenshot below. From here you'll run the installer for TFS, **tfs_server.exe**.



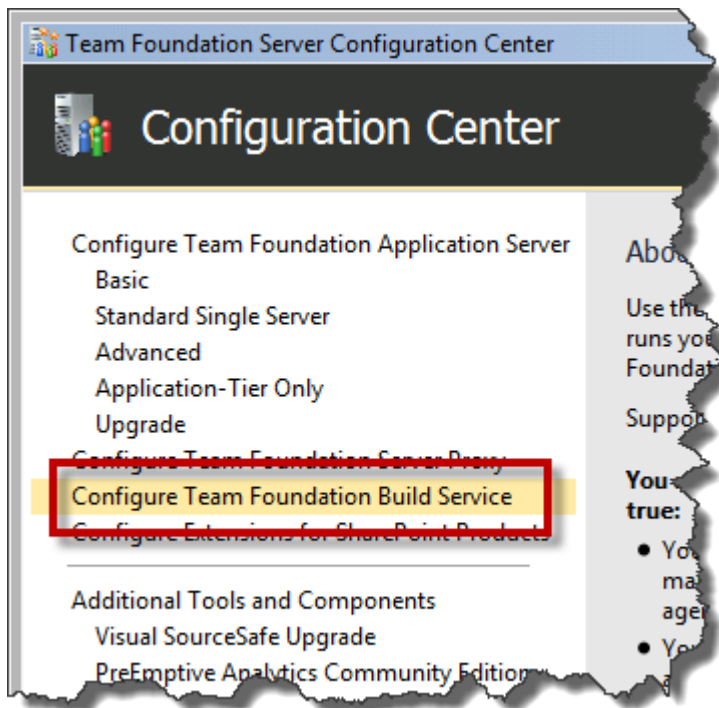
- Double-click **tfs_server.exe**

You should now see the first screen of the TFS installer.



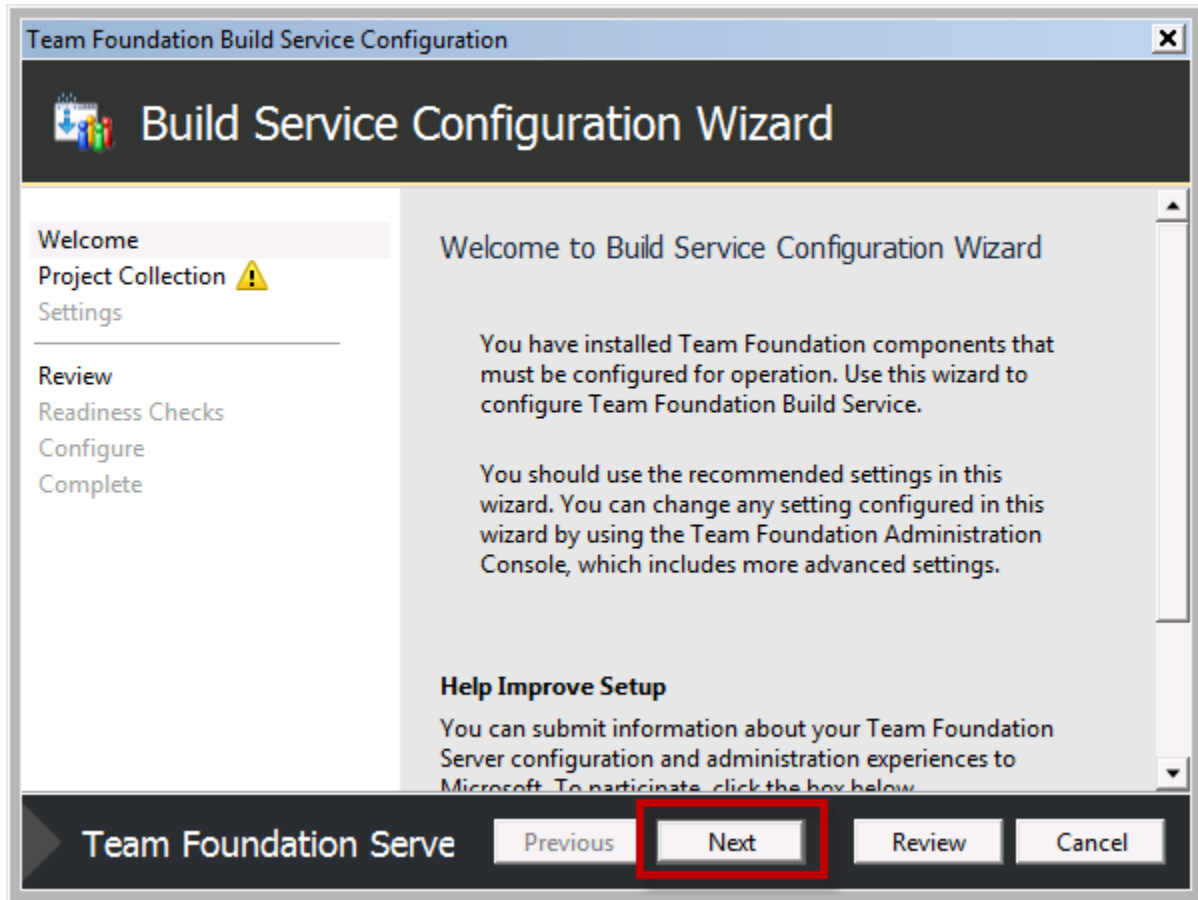
- Check the **I accept the license terms for Team Foundation Server**
- Click **Install Now**

You should now be on the Configuration Center.



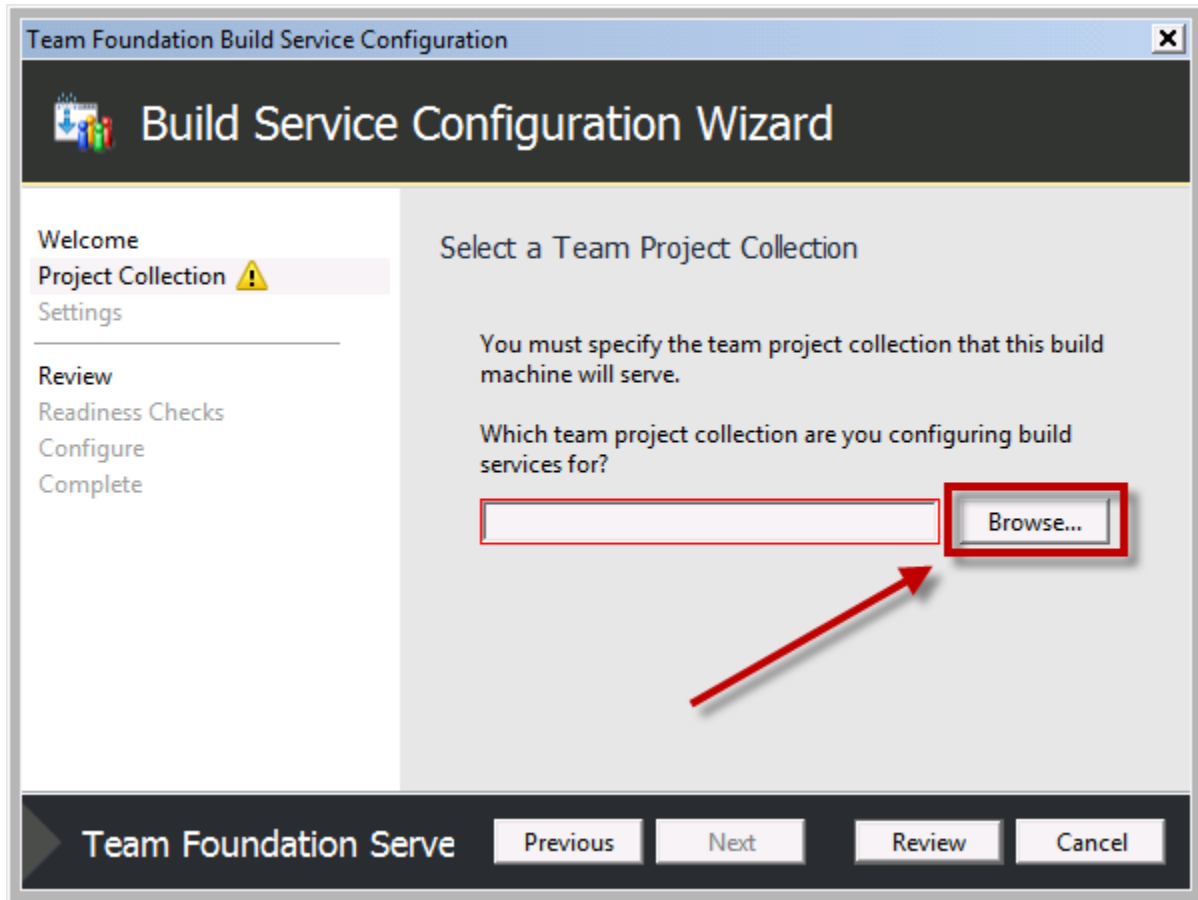
- Choose **Configure Team Foundation Build Service** from the left column
- Click the **Start Wizard** button

You should now see the Build Service Configuration Wizard page.



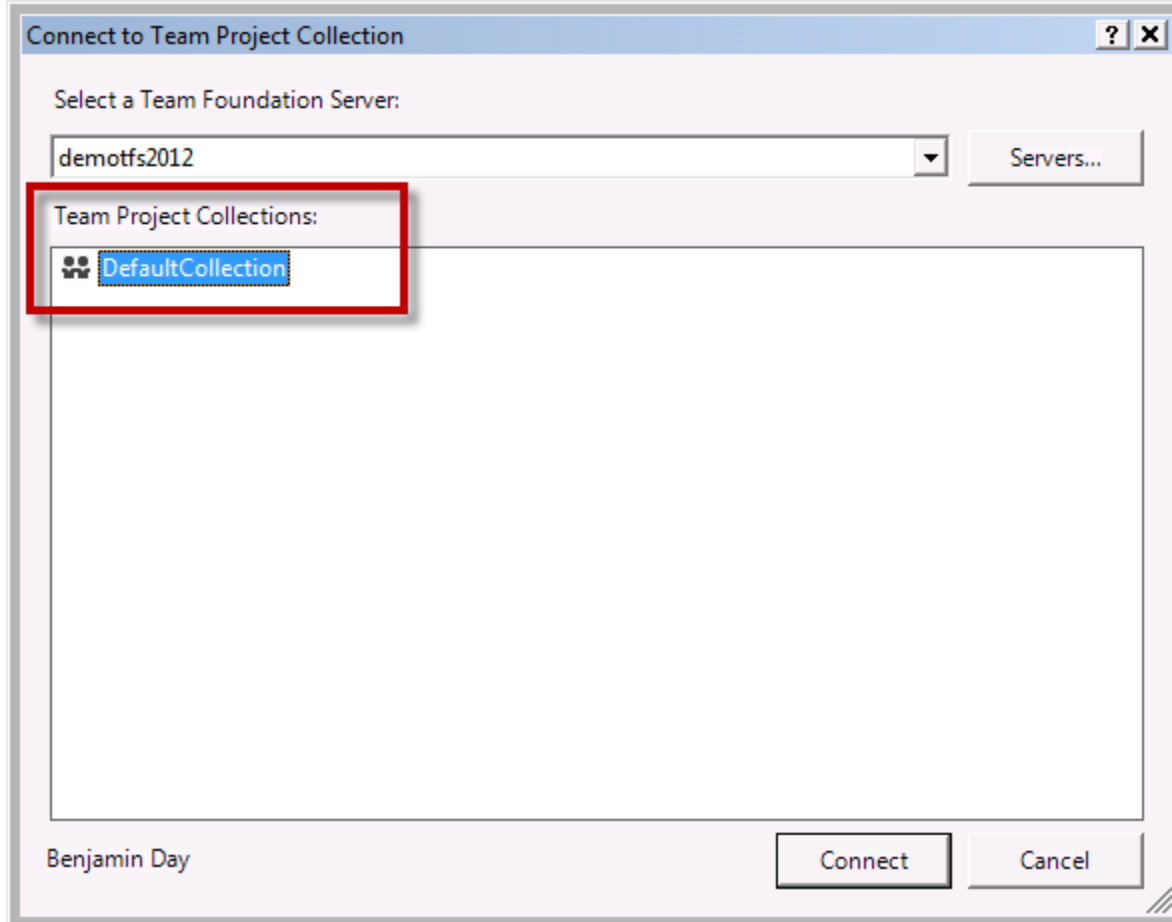
- Click **Next**

You should see the **Select a Team Project Collection** page.



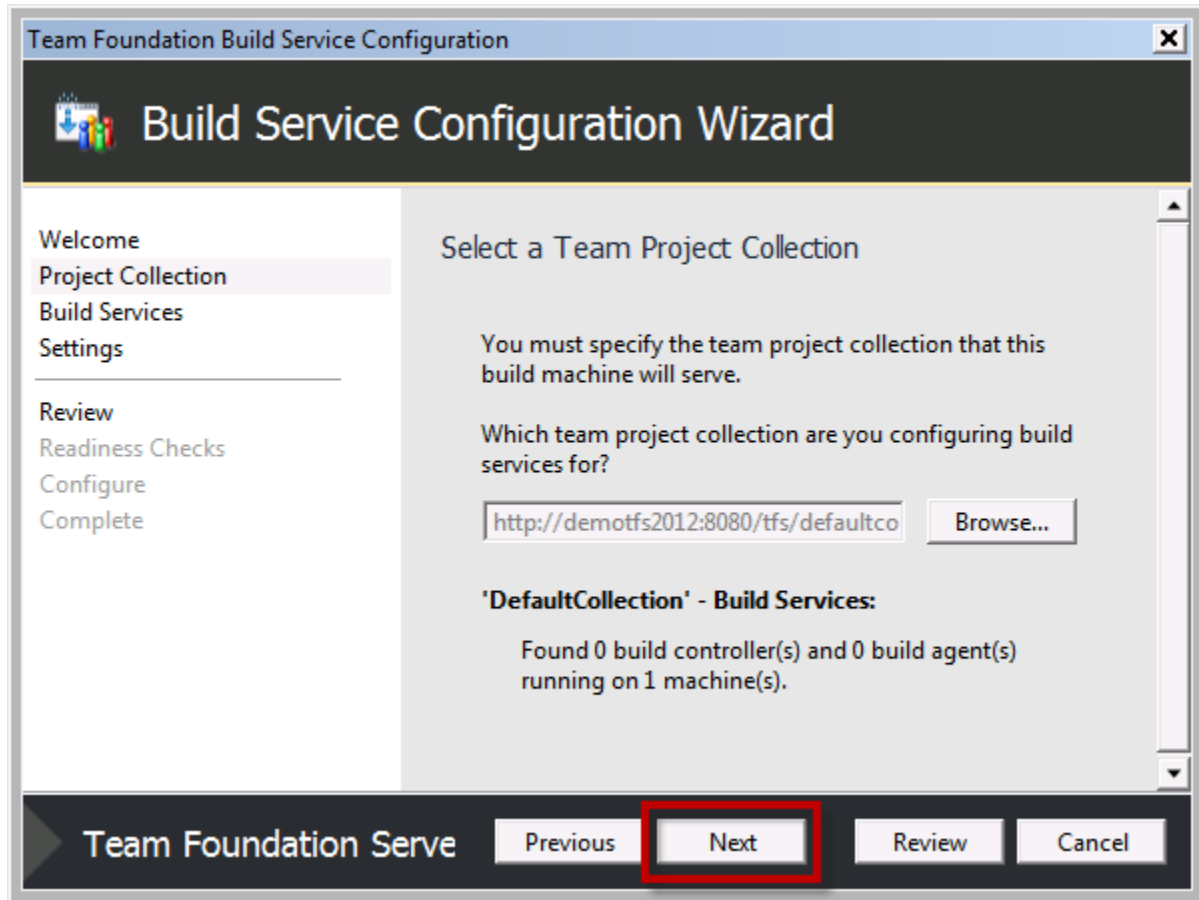
- Click the **Browse** button to begin the process of picking a TPC for this build server

You should now see the **Connect to Team Project Collection** dialog.



- Choose your desired TFS machine from the **Select a Team Foundation Server** drop down list. (NOTE: if your server isn't in the list, click **Servers...** and follow the wizard steps to connect to your TFS machine.)
- After choosing your TFS, select your **Team Project Collection**
- Click **Connect**

You should now be back at the **Select a Team Project Collection** page.



- Click **Next**

You should now see the **Build Service** page.

Team Foundation Build Service Configuration

Build Service Configuration Wizard

Welcome
Project Collection
Build Services
Settings
Review
Readiness Checks
Configure
Complete

Build Services

Choose one of the following options:

☒ **Use the default setting**

By default, this build machine will run a build controller as well as whatever number of build agents you select below. Build agents run concurrently and do the processor-intensive work of a build, so make sure you do not run more build agents than your computer can effectively support.

Number of build agents to run on this build machine:

2 (recommended)

☐ **Configure later**

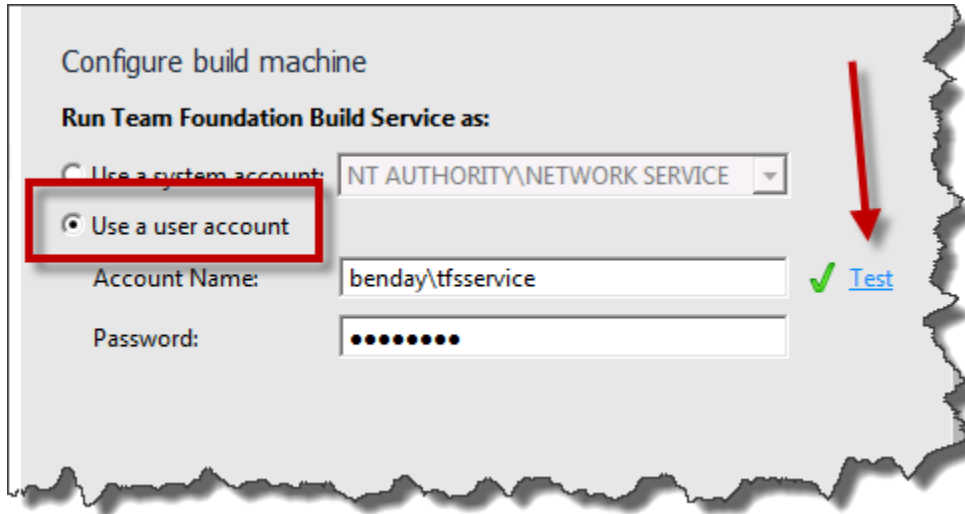
To activate this build machine, you must manually configure Team Foundation Build Service after completing this wizard.

Configuration summary - 1 controller, 2 agent(s)

Team Foundation Server 2012 Previous Next Review Cancel

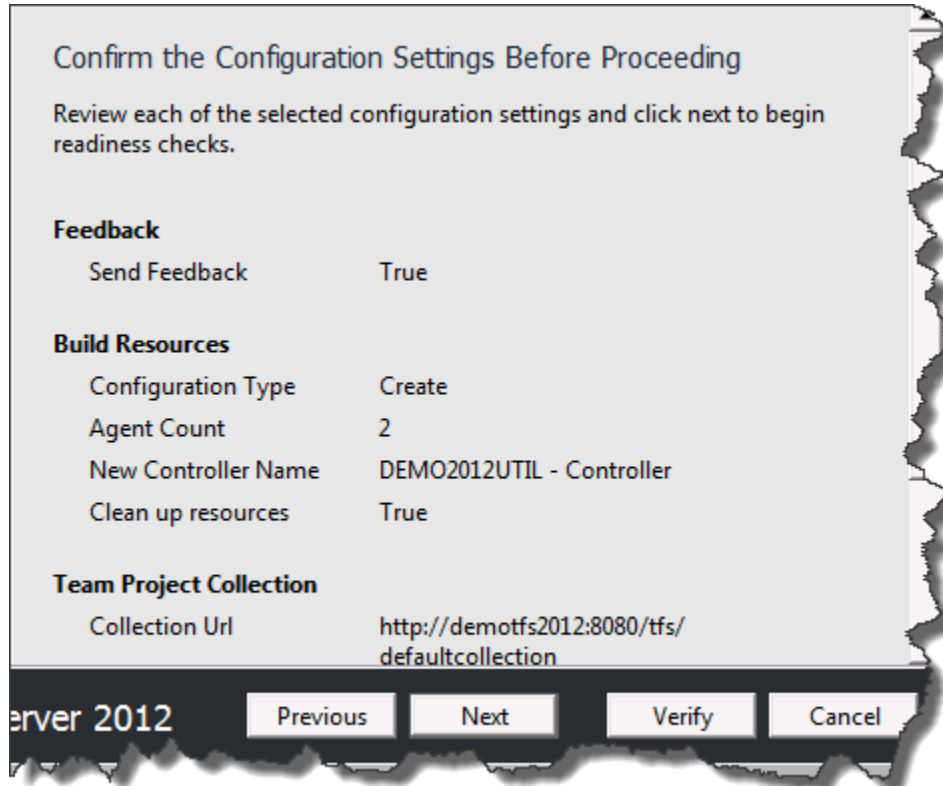
- Select **Use the default setting**
- From the **Number of build agents to run on this build machine** drop down list, choose the "recommended" value
- Click **Next**

You should now be on the **Configure build machine** page.



- Choose **Use a user account** radio button
- Enter the TFS Service account name in the **Account Name** textbox
- Enter the TFS Service account password in the **Password** textbox
- Click the **Test** link to verify the username and password
- Click **Next**

You should now see the **Confirm the Configuration Settings Before Proceeding** page.



Confirm the Configuration Settings Before Proceeding

Review each of the selected configuration settings and click next to begin readiness checks.

Feedback

Send Feedback	True
---------------	------

Build Resources

Configuration Type	Create
Agent Count	2
New Controller Name	DEMO2012UTIL - Controller
Clean up resources	True

Team Project Collection

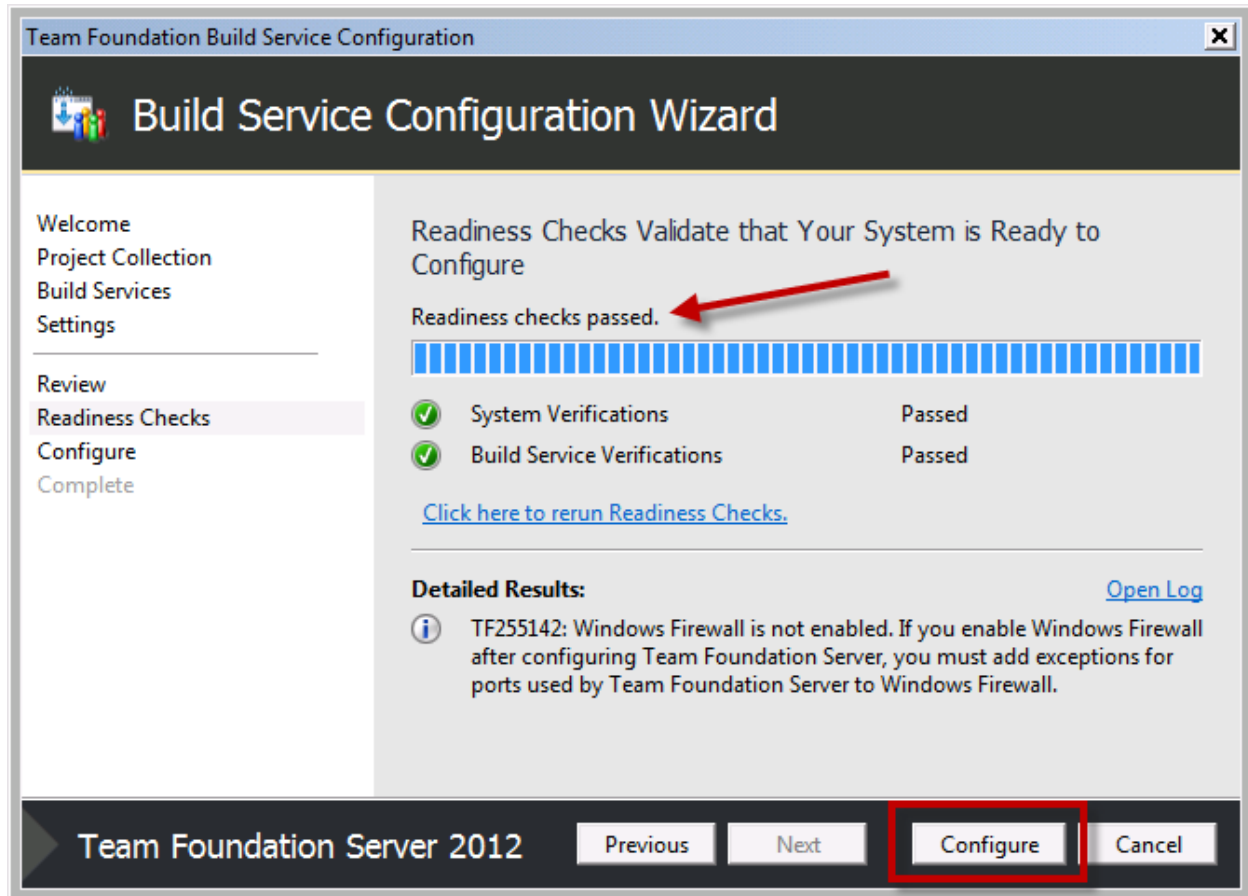
Collection Url	http://demotfs2012:8080/tfs/defaultcollection
----------------	---

Team Foundation Server 2012

Previous Next Verify Cancel

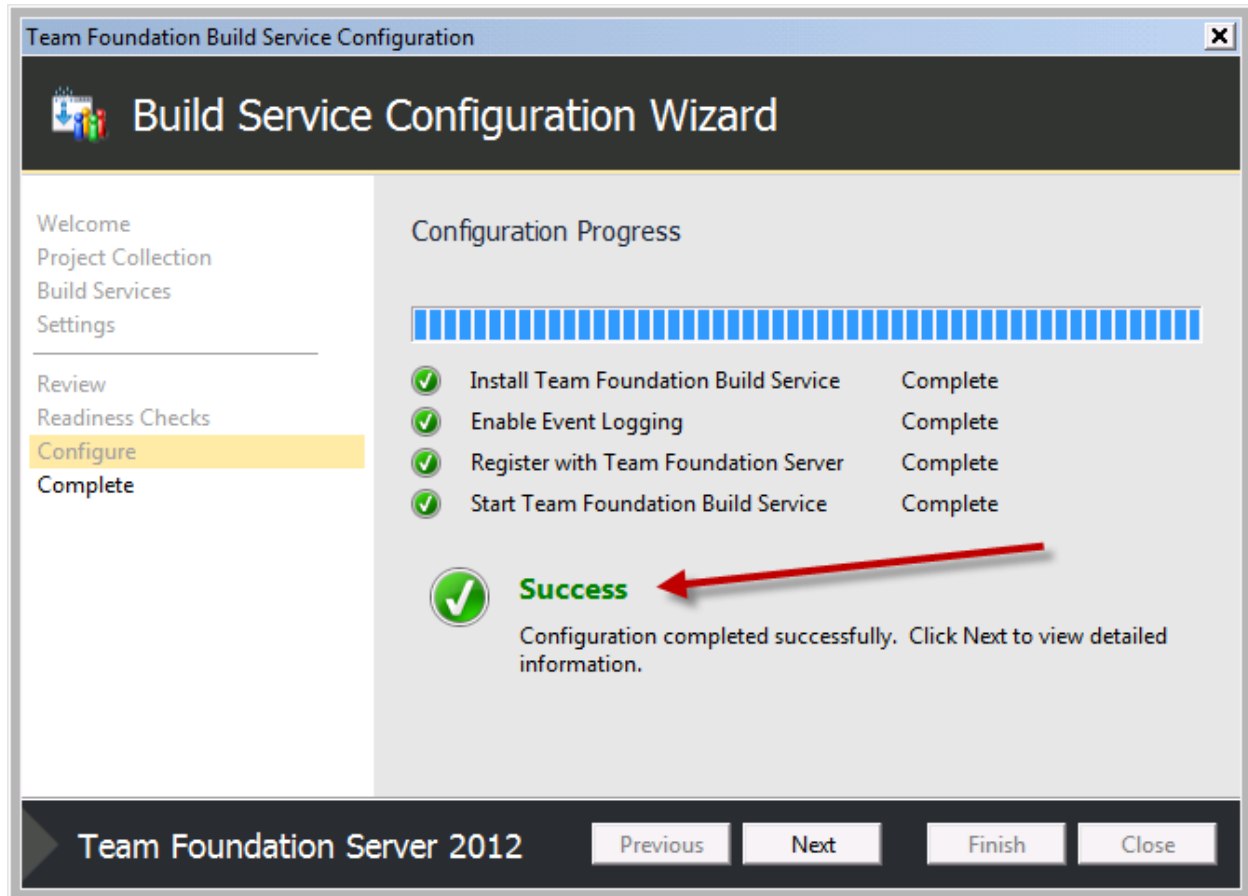
- Click **Next**

The installer will run some verifications to see that the build service can be configured.



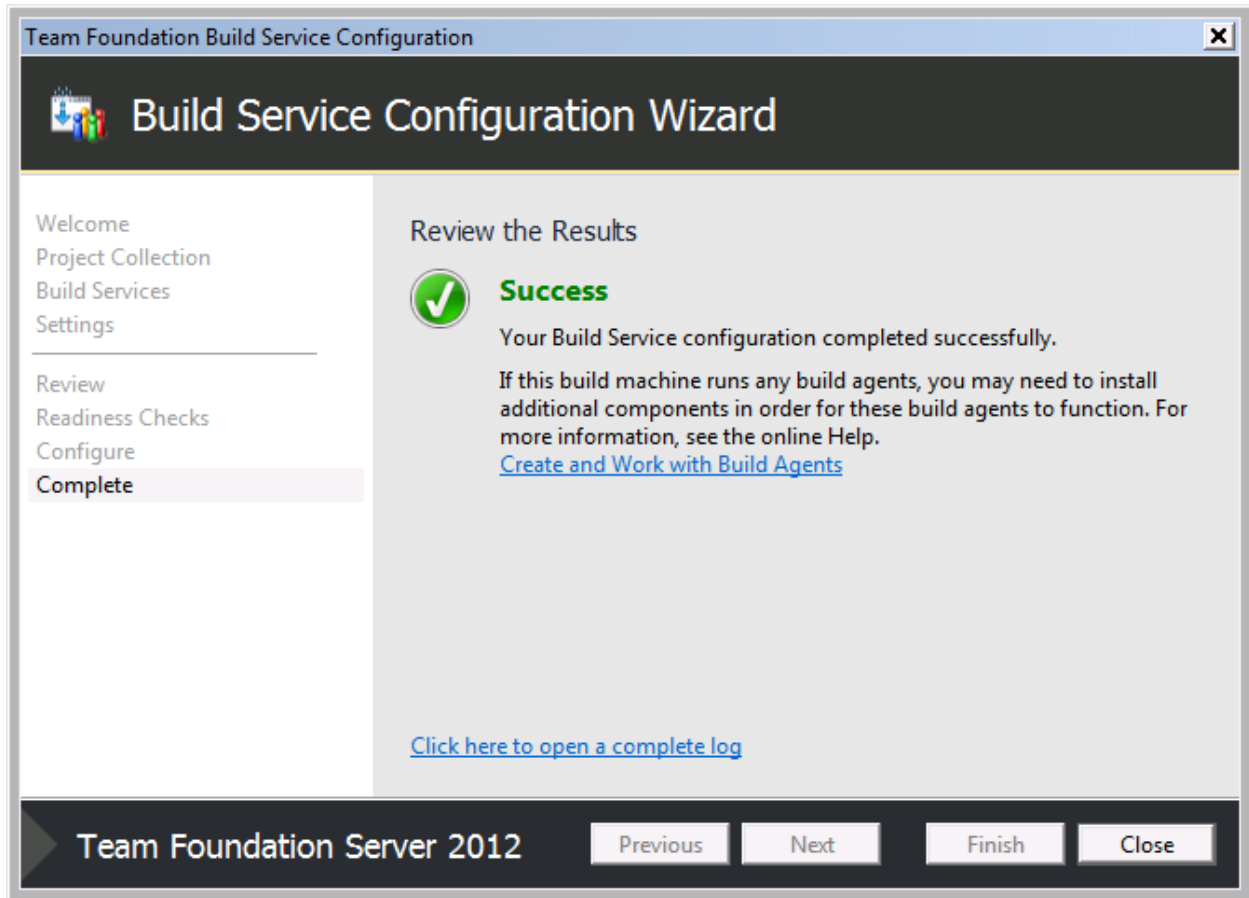
- Verify that the readiness check have passed
- Click the **Configure** button

You should now see the **Configuration Progress** dialog.



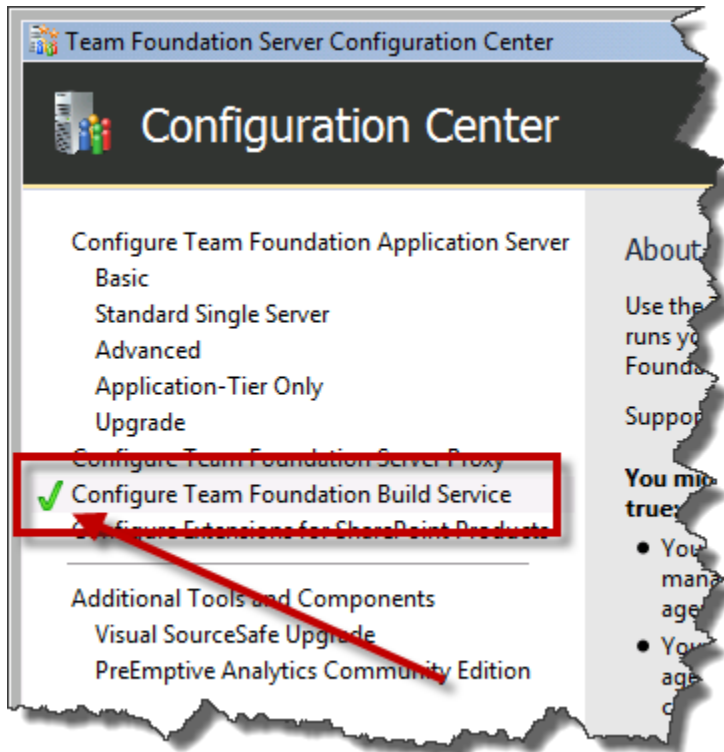
- Verify that the result is **Success**
- Click **Next**

You should now see the **Review the Results** page.



- Click **Close**

You should now be back at the main page of the Configuration Center. You should see that there is a check mark next to **Configure Team Foundation Build Service** indicating that this feature has been installed.



- Click **Close** to exit the installer

The TFS Build service is now installed.

Lab 06: Install the pre-requisites for System Center Virtual Machine Manager 2012

This document will walk you through the process of installing the pre-requisites for System Center Virtual Machine Manager 2012 (SCVMM). For the purposes of this document, we'll assume that you've already installed the operating system and that all "important" and "recommended" Windows Update patches have already been installed.

SCVMM2012 has the following pre-requisites:

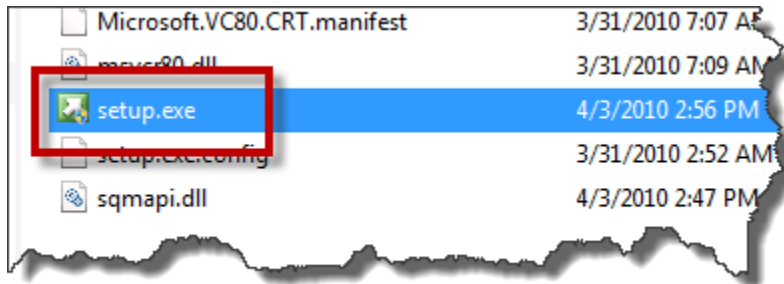
- Windows Server 2008 R2 x64 with Service Pack 1
 - o Standard, Enterprise, or Datacenter
 - o NOTE: the server name cannot contain the string "-SCVMM-"
- WinRM 2.0
- .NET 3.5 Service Pack 1
- Windows Automated Installation Kit for Windows 7
 - o <http://www.microsoft.com/en-us/download/details.aspx?id=5753>
- SQL Server x64
 - o SQL Server 2008 R2 x64
 - Standard, Datacenter, or Enterprise
 - o SQL Server 2008 x64
 - Standard or Enterprise

To perform the step described in this document, you should be logged on as an Administrator.

Install SQL Server 2008 R2 x64

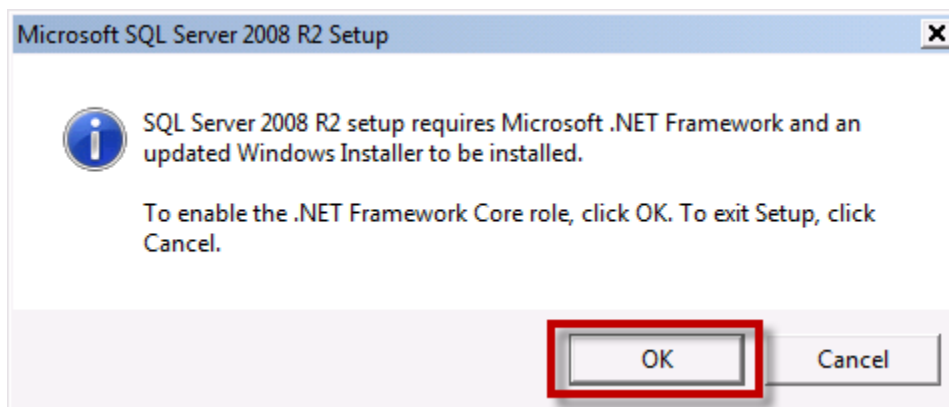
This section will walk you through the process of installing SQL Server 2008 R2 x64. The installation process is similar for other versions of SQL Server but not 100% equal.

- Insert the DVD or mount the ISO for a supported version of SQL Server



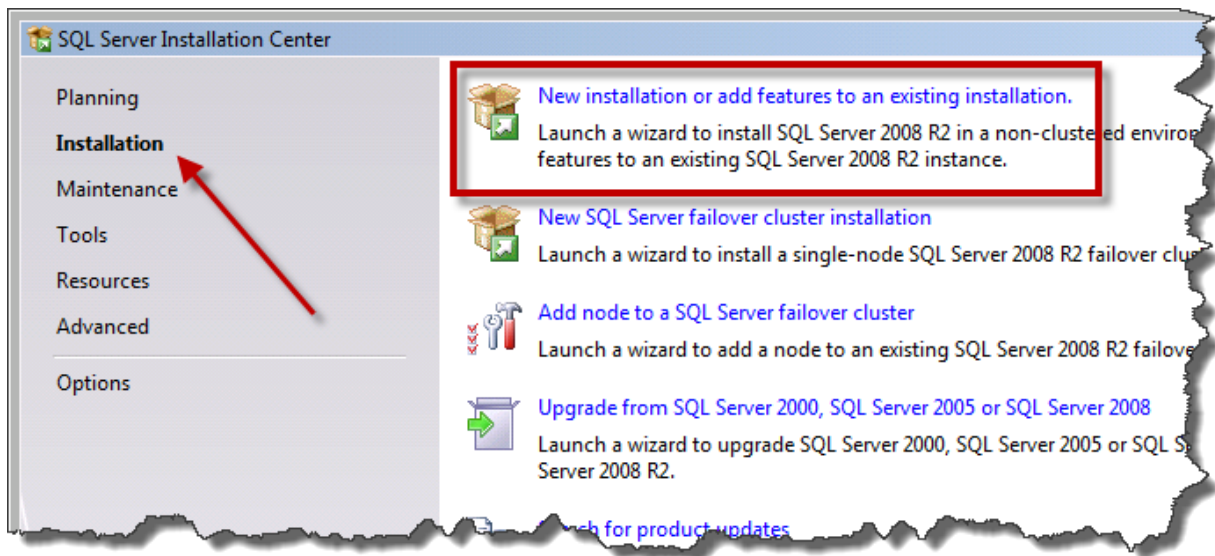
- Run **setup.exe**

If the .NET Framework has not already been installed on this server, you will be prompted to install it.



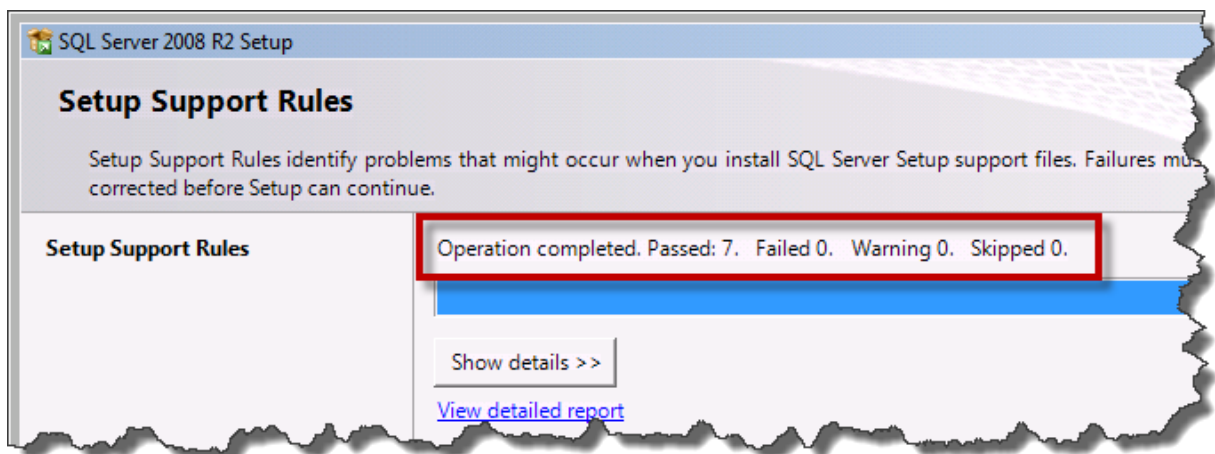
- If prompted, click **OK**

You will eventually see the **SQL Server Installation Center**.



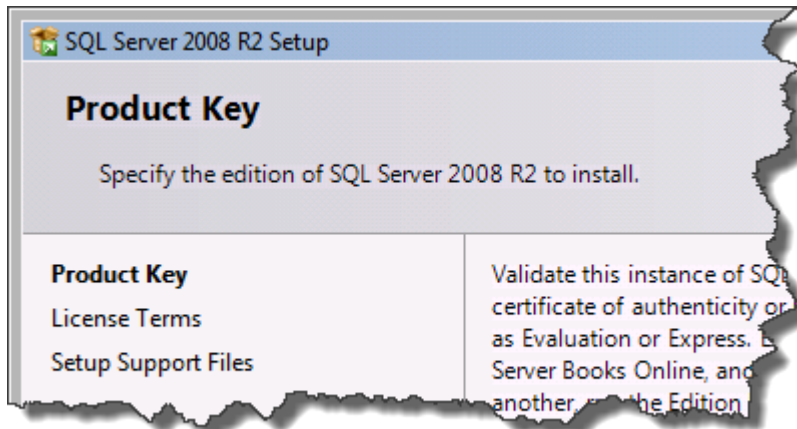
- In the left panel, click **Installation**
- Click **New installation or add features to an existing installation**

The installer will now run a series of pre-requisite checks for SQL Server and will put you on the **Setup Support Rules** dialog.



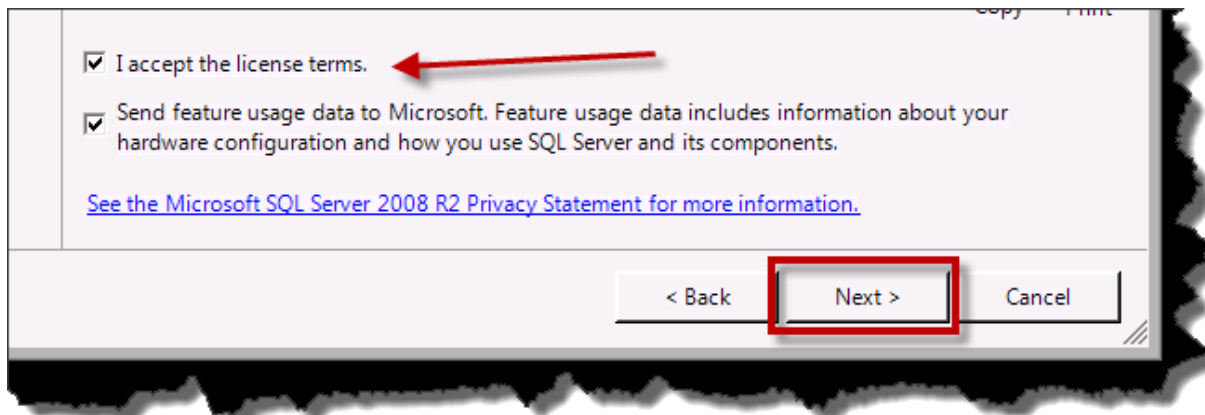
- Verify that the count is zero for Failed, Warning, and Skipped.
- If there are any failures, fix the failures before continuing.
- If everything passes, click **OK**

You should now see the **Product Key** page.



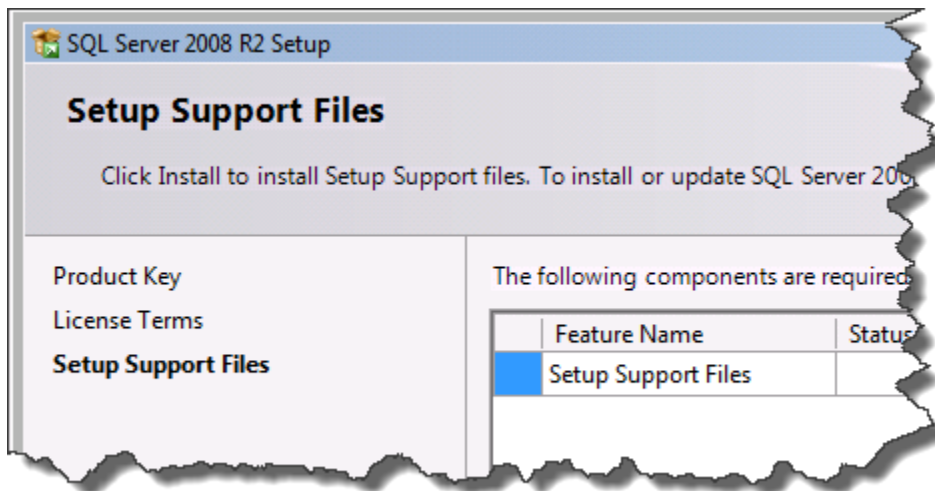
- Verify that there is a product key
- Click **Next**

The **License Terms** page should now be visible.



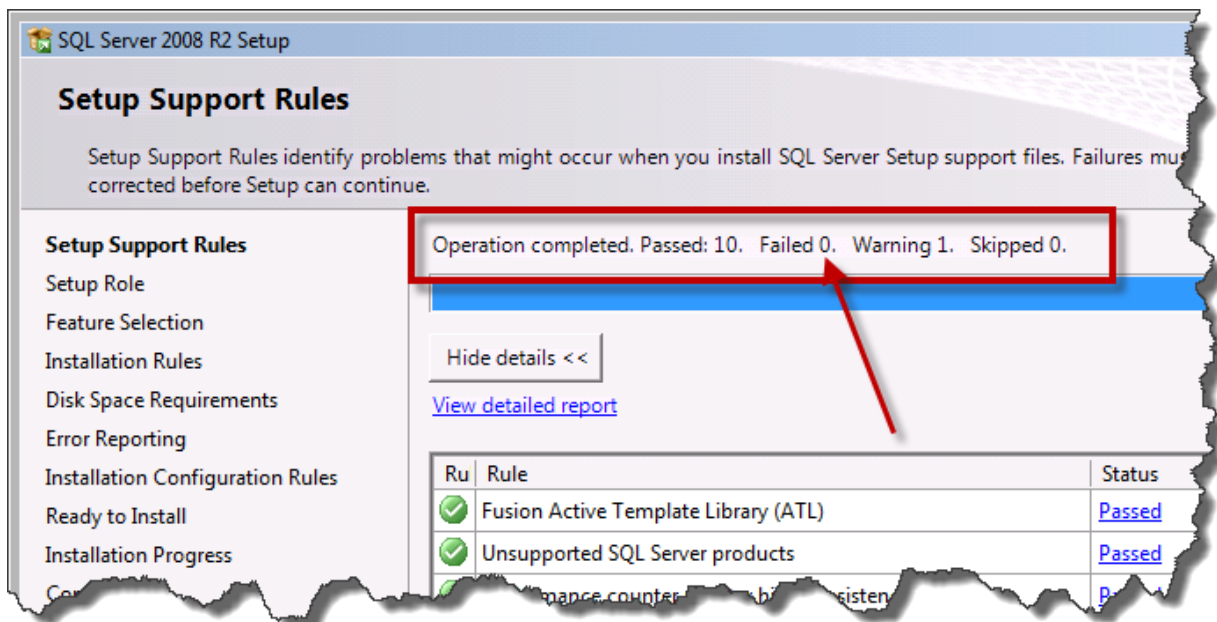
- Check **I accept the license terms**
- (Optional) Check **Send feature usage data...**
- Click **Next**

The **Setup Support Files** dialog should now be visible.



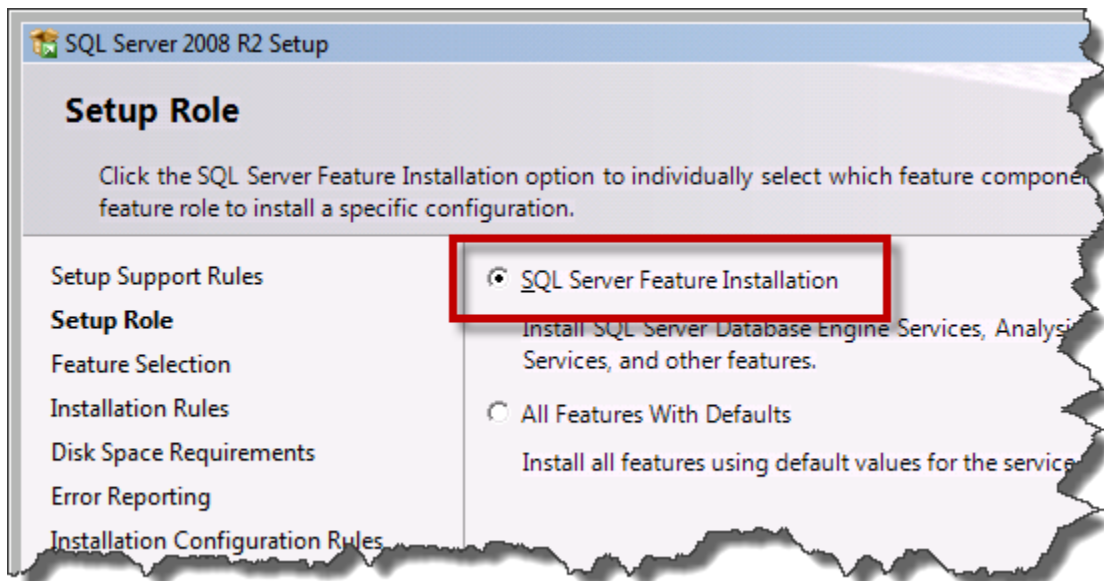
- Click **Install**

After the support file installation step has completed, you should be on the **Setup Support Rules** page.



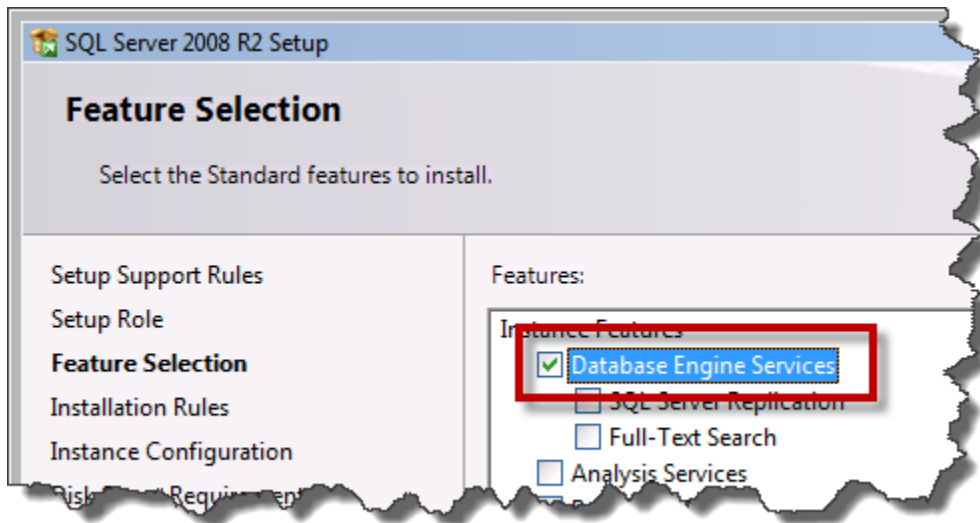
- Verify that there are zero **Failed** operations.
- Click **Next**

The **Setup Role** page should be visible.



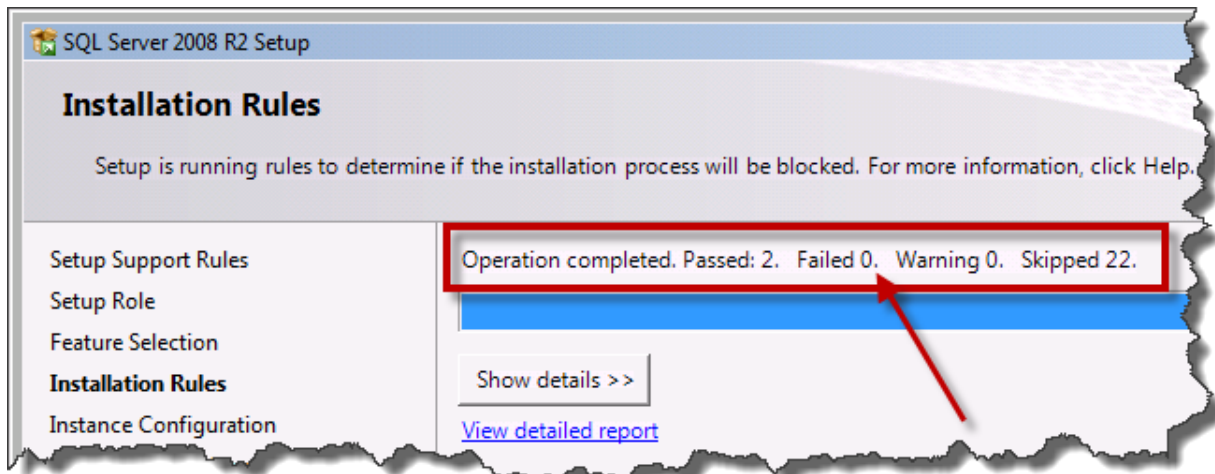
- Choose **SQL Server Feature Installation**
- Click **Next**

You should now see the **Feature Selection** screen. The only feature that is required by SCVMM is **Database Engine Service**. If you want to keep the disk usage for your installation of SQL Server to a minimum, only choose this feature. It is sometimes helpful to have the SQL Server **Management Tools** installed on this server in case you need to run queries or perform miscellaneous maintenance operations but, if you have these tools installed on a different machine, you can safely skip this feature.



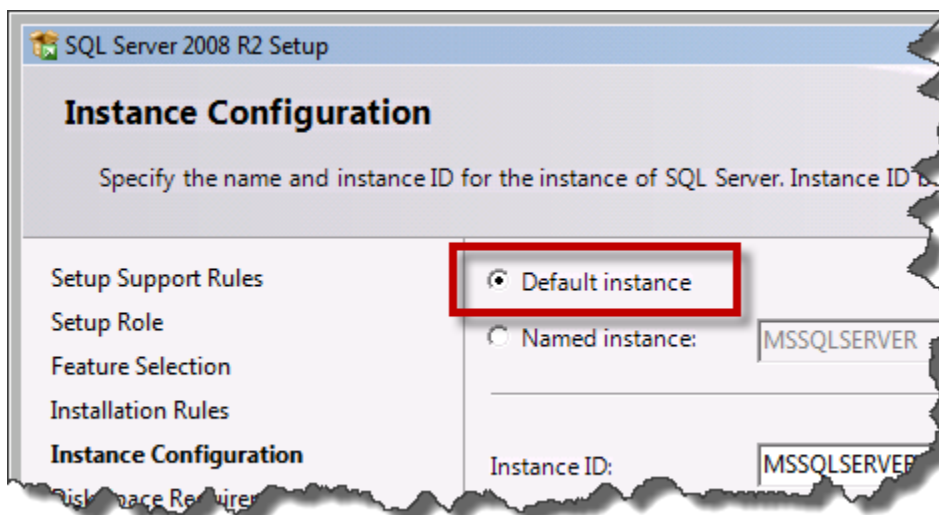
- Check **Database Engine Services**
- (Optional) Check **Management Tools – Basic**
- (Optional) Check **Management Tools – Complete**
- Click **Next**

Before the installer actually installs your features, it will do one last check. You should now see the **Installation Rules** page.



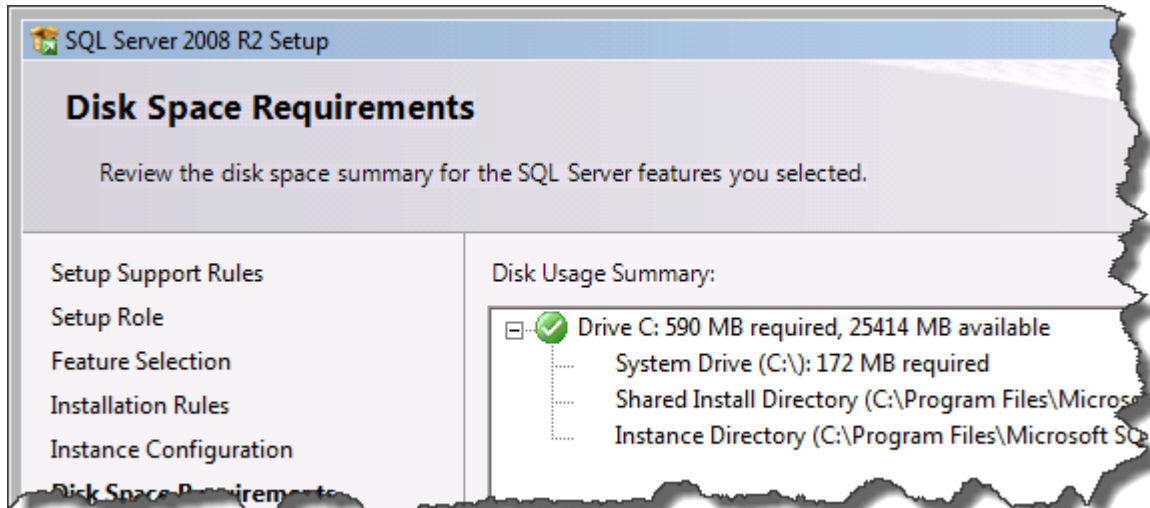
- Verify that there are zero **Failed** operations.
- Click **Next**

You should see the **Instance Configuration** page.



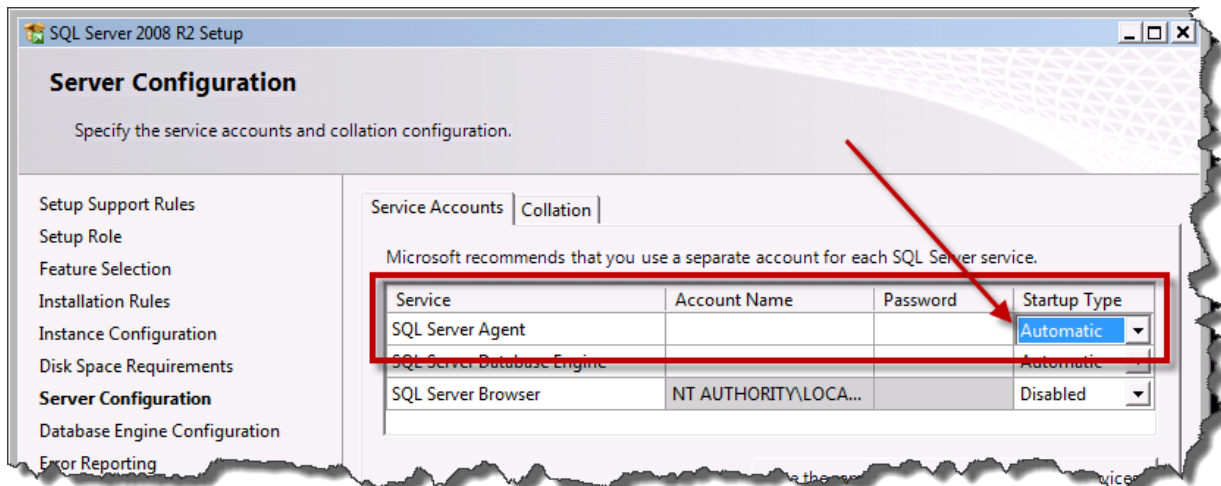
- Choose **Default instance**
- Click **Next**

The **Disk Space Requirements** screen should be visible and the disk space usage check should be passing.



- Click **Next**

The **Server Configuration** screen should be visible and you'll need to make several adjustments to the default values.



- Locate the row for **SQL Server Agent** and set the **Startup Type** value to **Automatic**

Service Accounts | Collation

Microsoft recommends that you use a separate account for each SQL Server service.

Service	Account Name	Password	Startup Type
SQL Server Agent			Automatic
SQL Server Database Engine			Automatic
SQL Server Browser	NT AUTHORITY\LOCA...		Disabled

Use the same account for all SQL Server services

- Click **Use the same account for all SQL Server services**

Use the same account for all SQL Server 2008 R2 services

Specify a user name and password for all SQL Server service accounts.

Account Name: NT AUTHORITY\NETWORK SERVICE

Browse...

Password:

OK Cancel

- From the **Account** Name drop-down list, choose **NT AUTHORITY\NETWORK SERVICE**
- Click **OK**

The **Server Configuration** screen should now look like the following image.

Service	Account Name	Password	Startup Type
SQL Server Agent	NT AUTHORITY\NETW...		Automatic
SQL Server Database Engine	NT AUTHORITY\NETW...		Automatic
SQL Server Browser	NT AUTHORITY\LOCA...		Disabled

Use the same account for all SQL Server services

- Click **Next**

The **Database Engine Configuration** page should now be prompting you for information about **Account Provisioning**. SQL Server does not automatically add members of the Windows Administrators group as SQL Server administrators. My recommendation is to add the Domain Admins group as SQL Server administrators but this is optional.

Account Provisioning | Data Directories | FILESTREAM

Specify the authentication mode and administrators for the Database Engine

Authentication Mode

☒ Windows authentication mode

☐ Mixed Mode (SQL Server authentication and Windows authentication)

Specify the password for the SQL Server system administrator (sa):

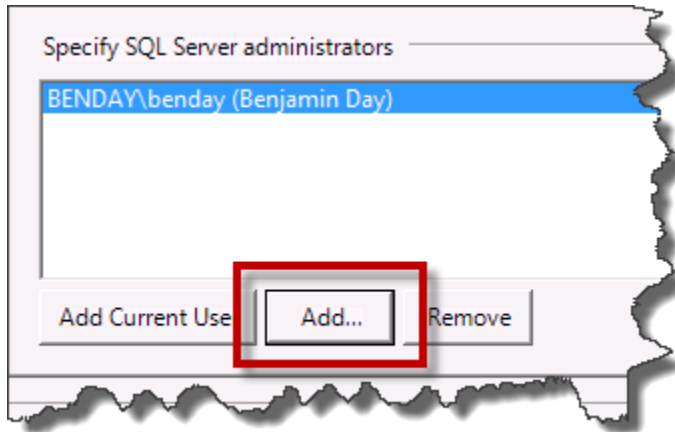
Enter password:

Confirm password:

Specify SQL Server administrators

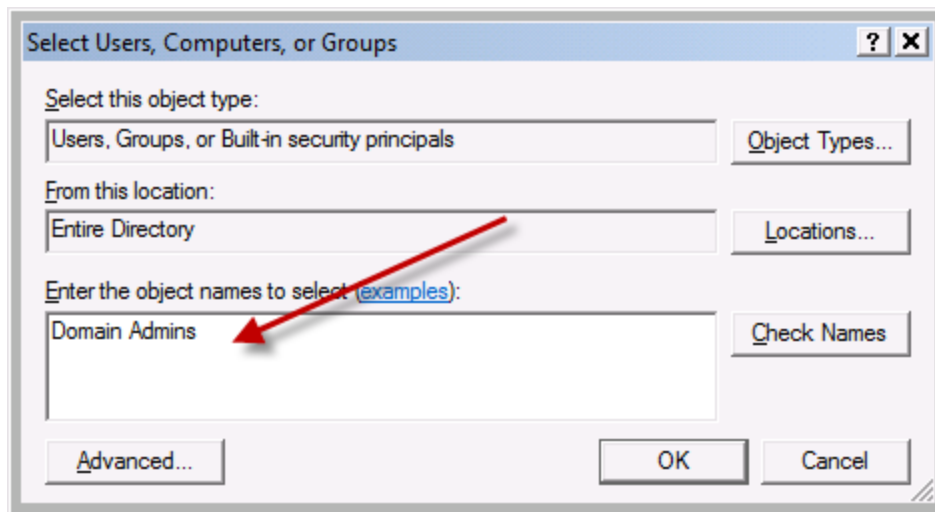
- Verify that **Windows authentication mode** is selected
- Click **Add Current User** to mark the current user account as an administrator in SQL Server

(Optional) If you want to add the members of the Domain Admins group as SQL Server administrators, follow these steps.



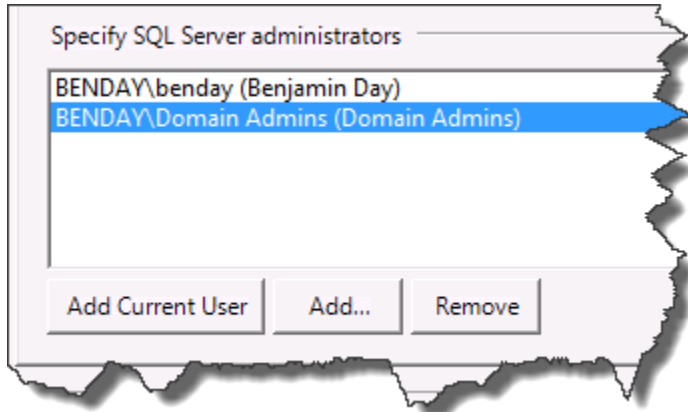
- Click **Add**

You should see the **Select Users, Computers, or Groups** dialog.



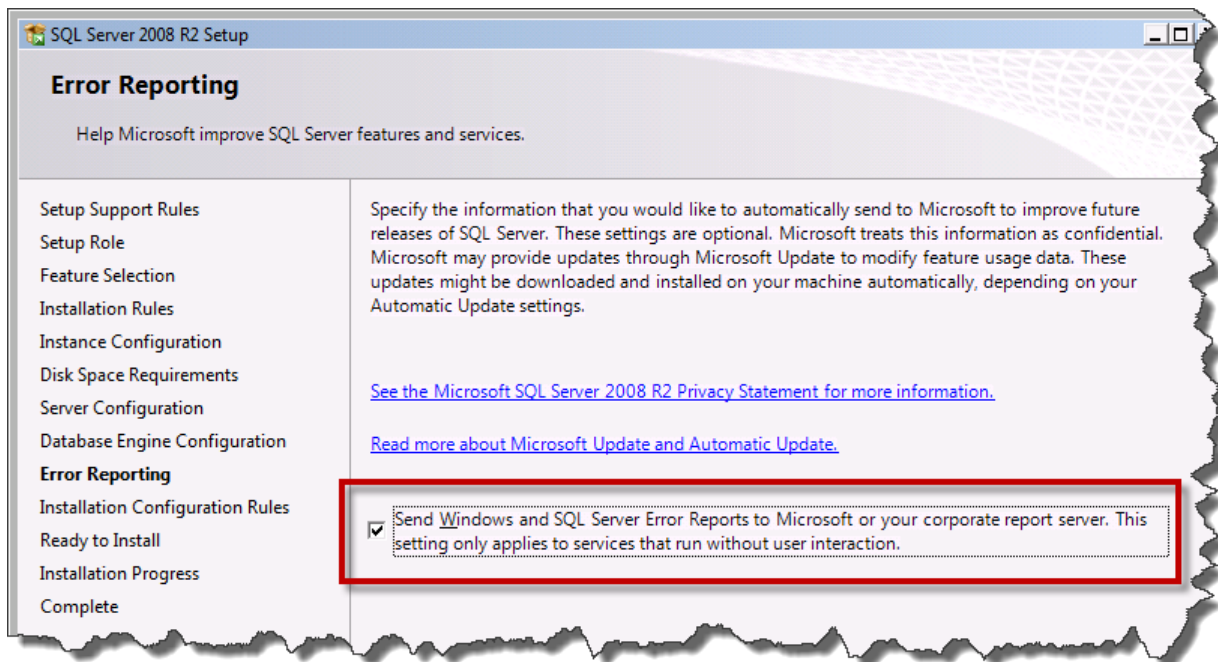
- In the **Enter the object names to select** box, type **Domain Admins**
- Click **OK**

The **Specify SQL Server administrator** list should now look something like this.



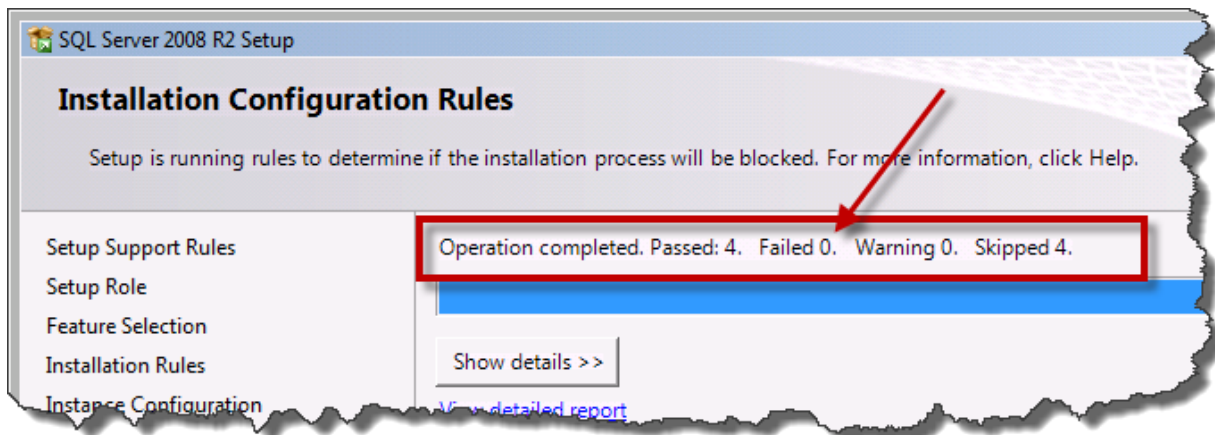
- Click **Next**

You should now be on the **Error Reporting** page.



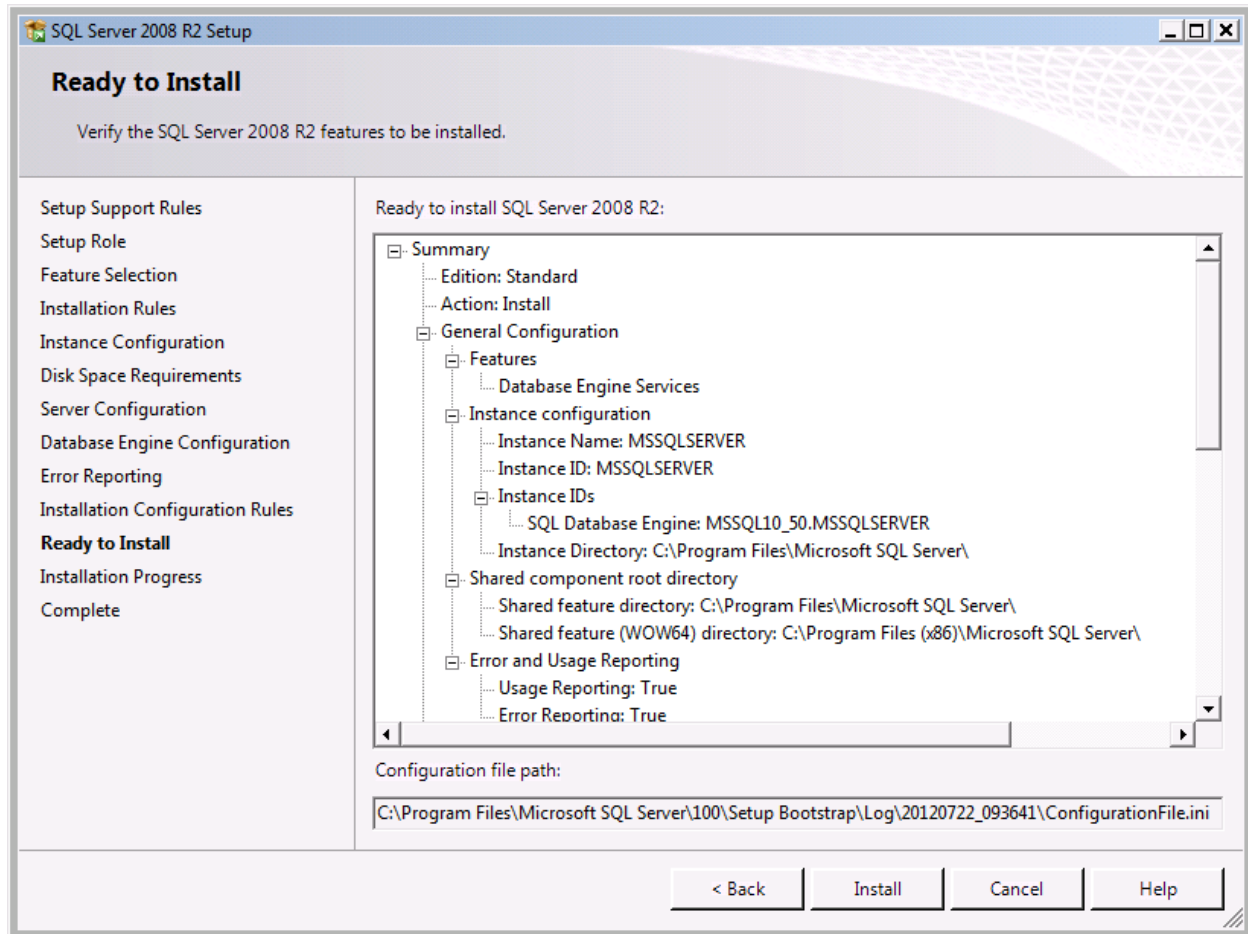
- Check the **Send Windows and SQL Server Error Reports to Microsoft** checkbox
- Click **Next**

Another **Installation Configuration Rules** check.



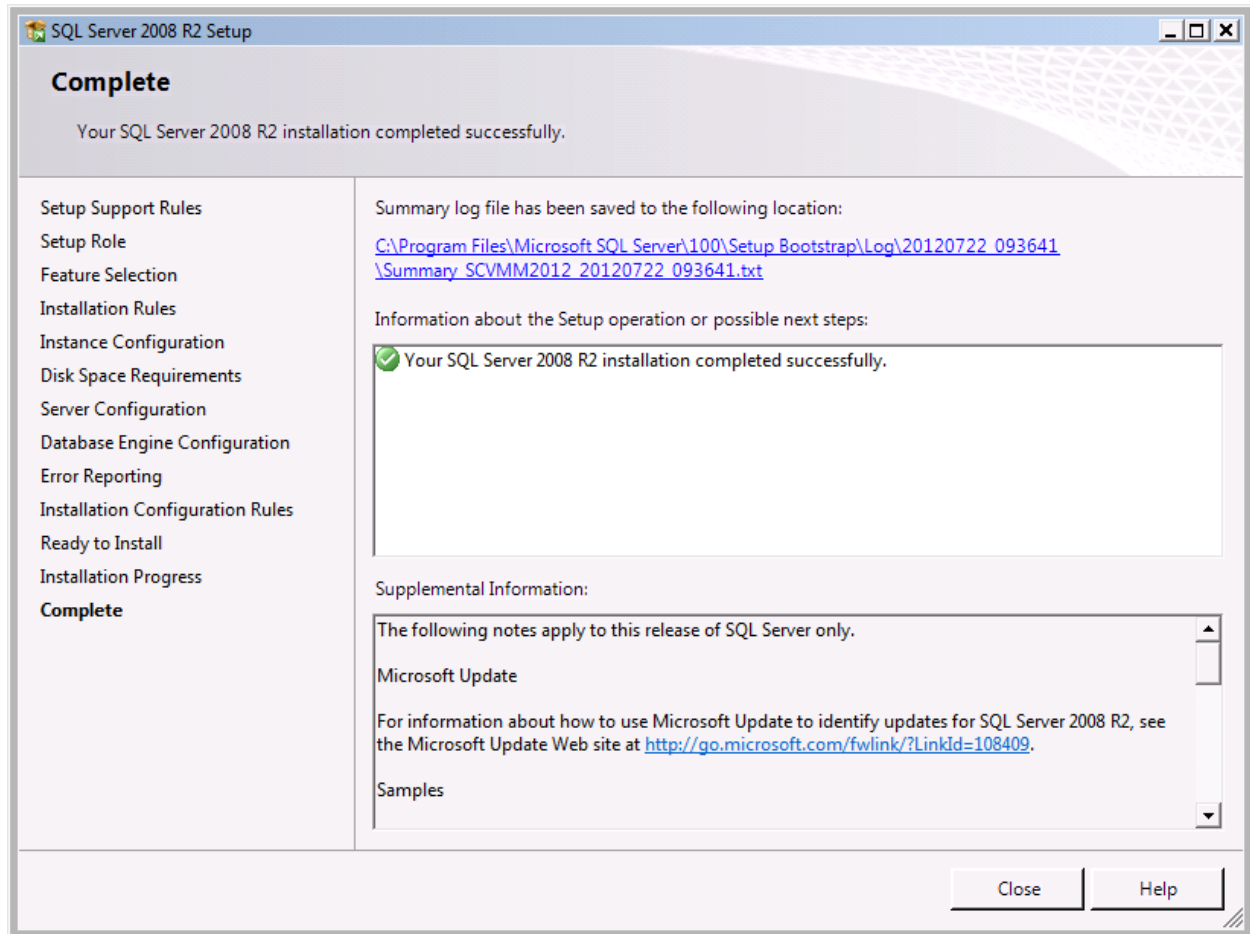
- Verify that there are zero **Failed** operations
- Click **Next**

You should now see the installation summary on the **Ready to Install** screen.



- Click **Install**

The installer should run and you should eventually see the **Complete** screen.



- Click **Close**

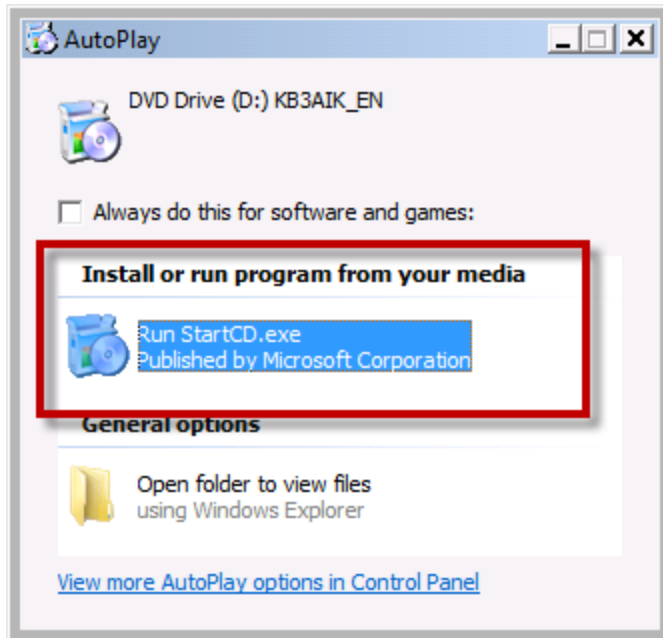
Install SQL Server 2008 Service Pack

Now that SQL Server 2008 R2 has been installed, you should download and install the latest service pack.

- Download and install the **latest service pack for SQL Server 2008 R2**

Install the Windows Automated Installation Kit for Windows 7

- Mount the ISO image for WAIK, **KB3AIK_EN.iso**



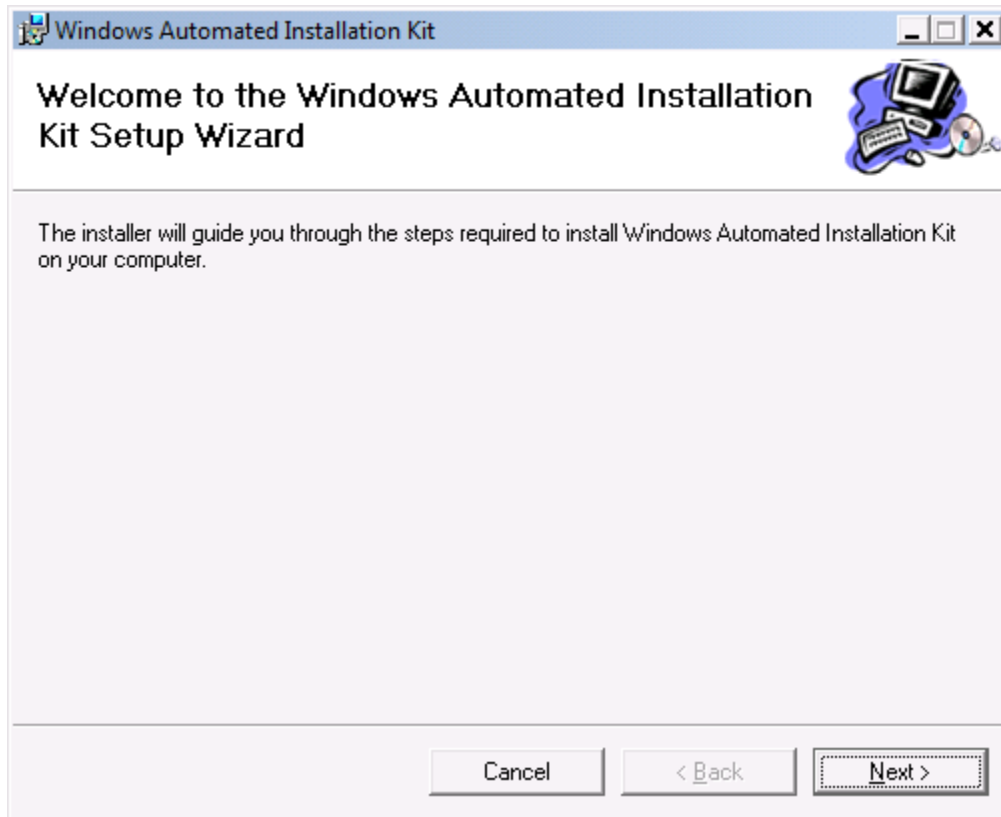
- Click **Run StartCD.exe**

The installer welcome window should be visible.

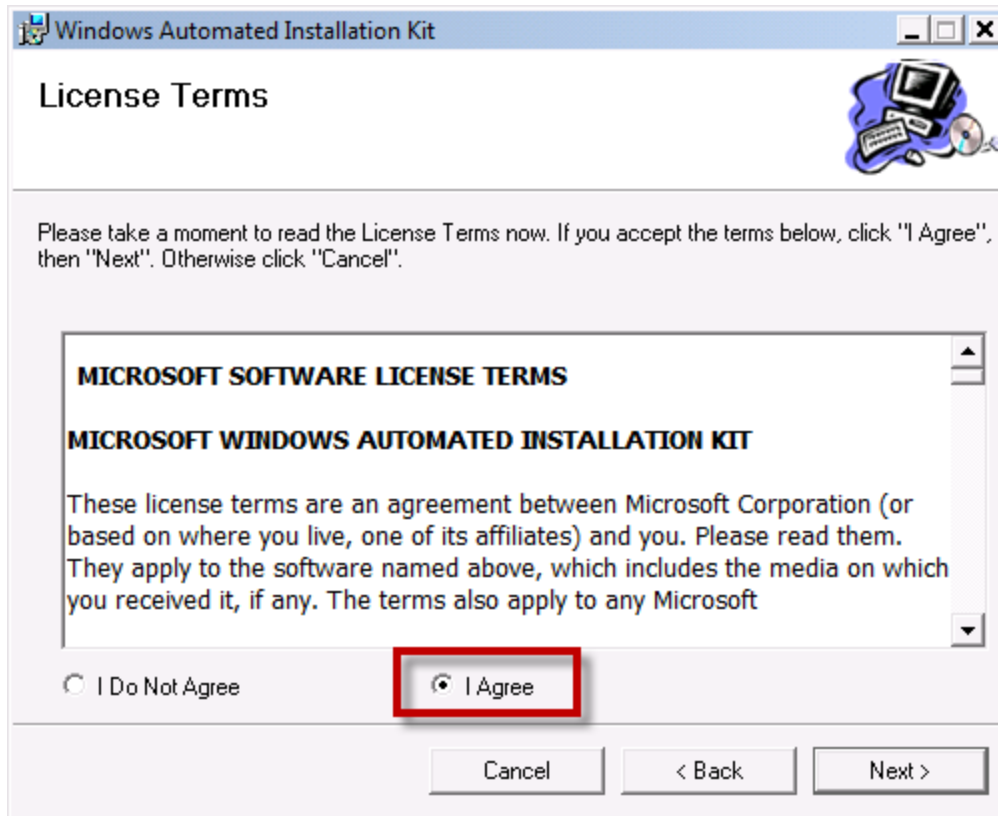


- From the left column, click **Windows AIK Setup**

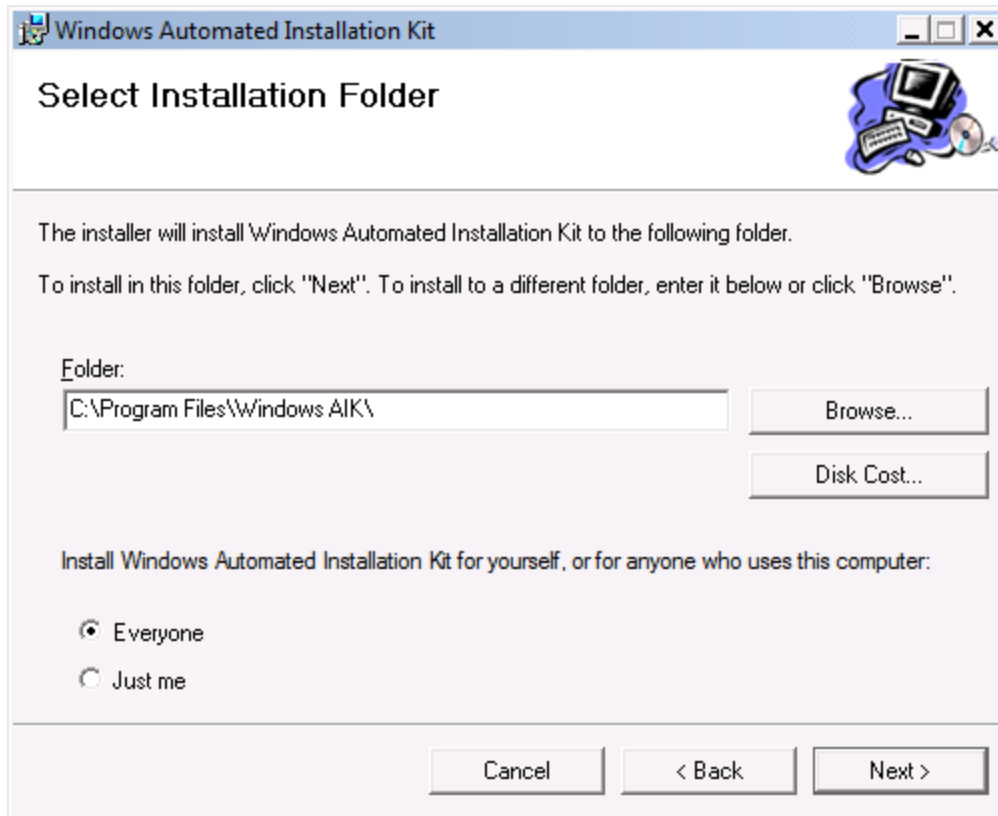
The installer should load and you should see the **Welcome to the Windows Automated Installation Kit Setup Wizard** page.



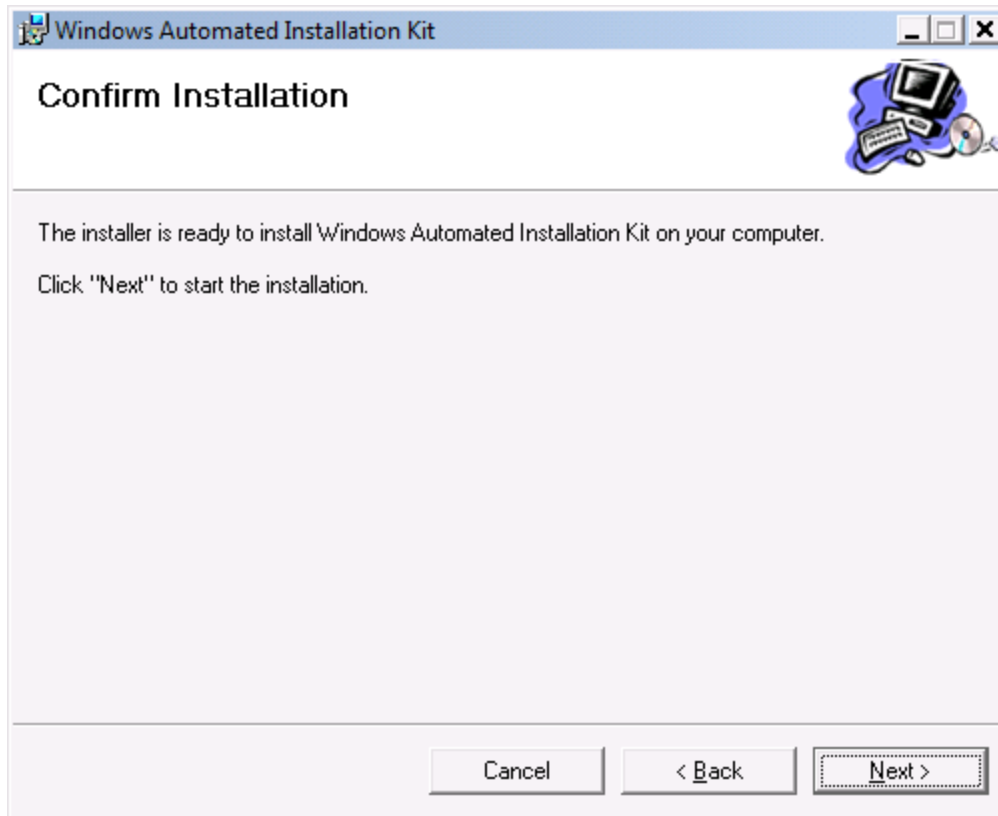
- Click **Next**



- Choose **I Agree**
- Click **Next**

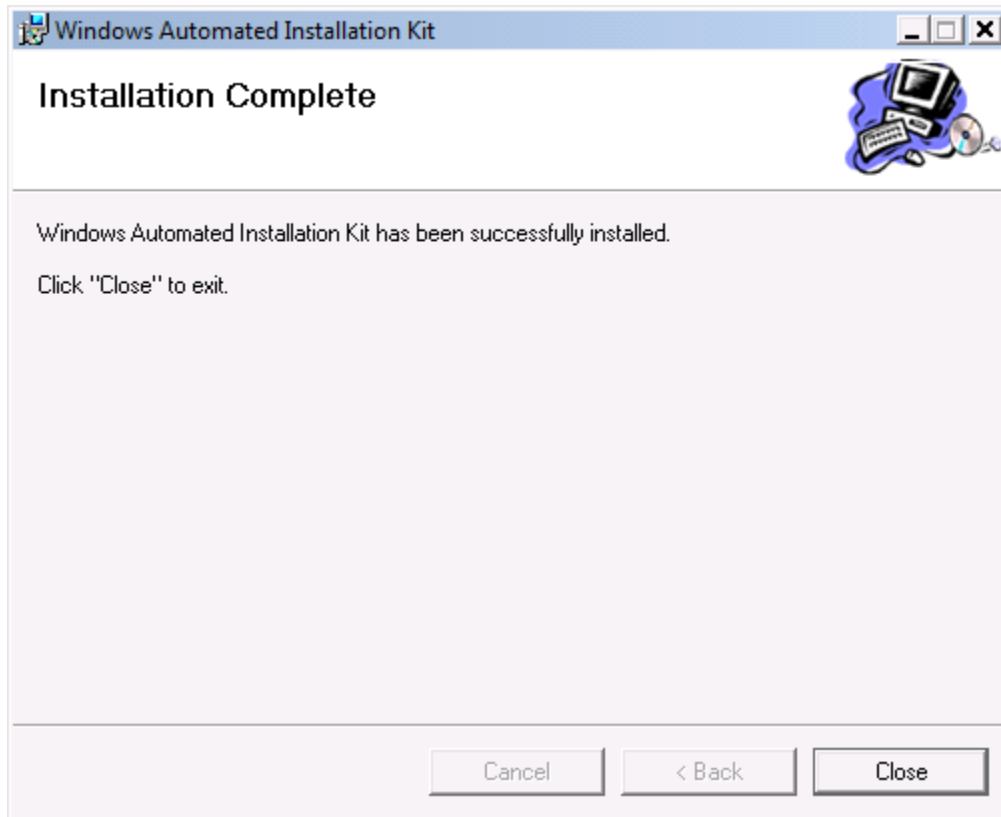


- Choose **Everyone**
- Click **Next**



- Click **Next**

You should now be on the **Installation Complete** dialog for the Windows Automation Installation Kit.



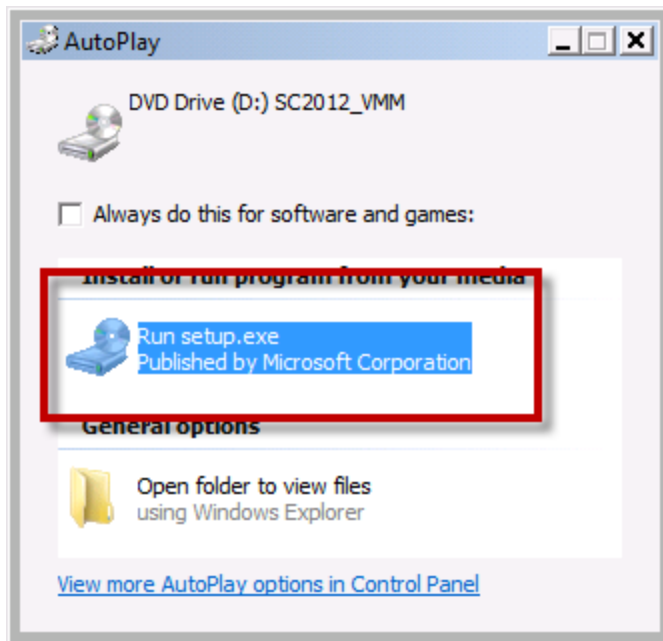
- Click **Close**

The pre-requisites for System Center Virtual Machine Manager 2012 are now installed.

Lab 07: Install System Center Virtual Machine Manager 2012

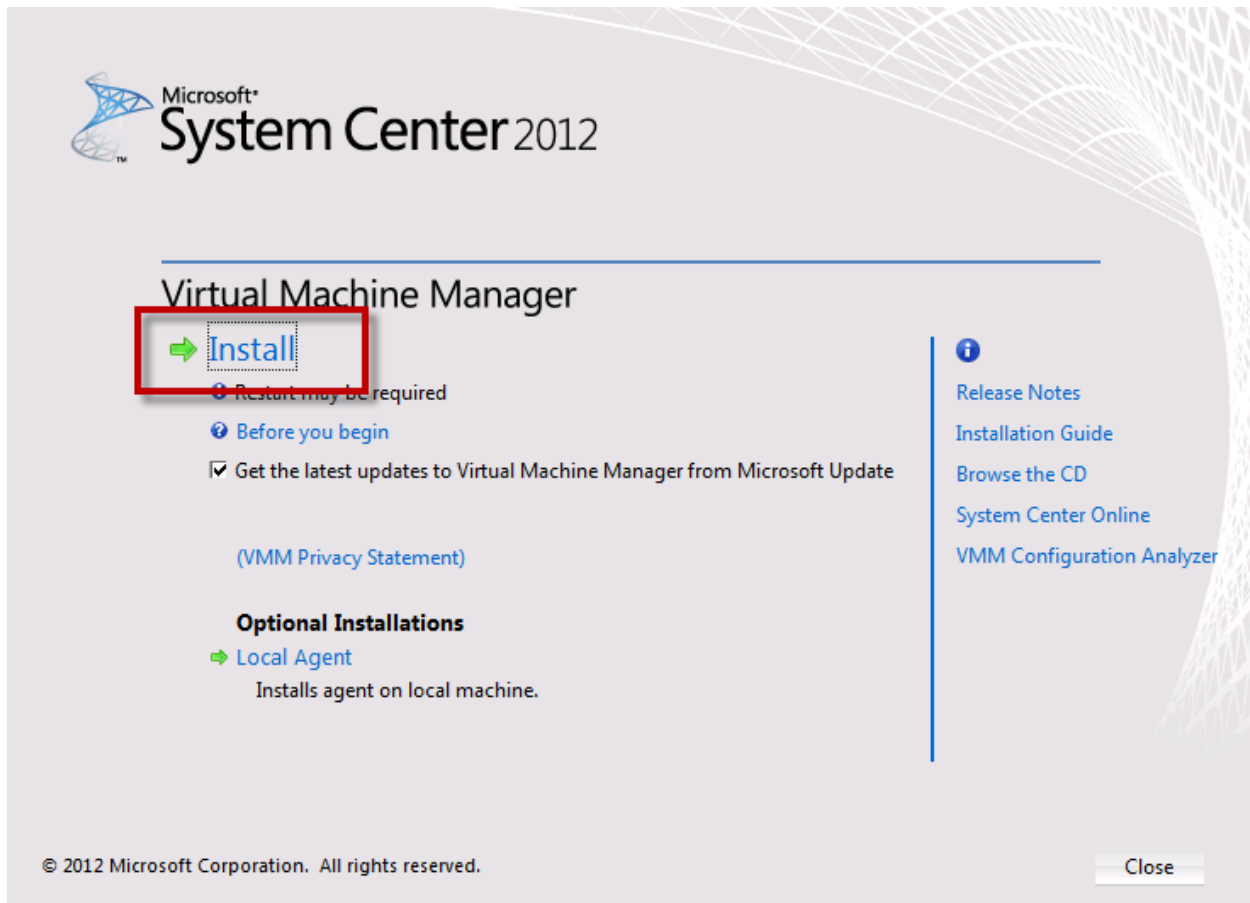
In this section, you'll install SCVMM 2012.

- Insert the SCVMM 2012 disk or mount the ISO



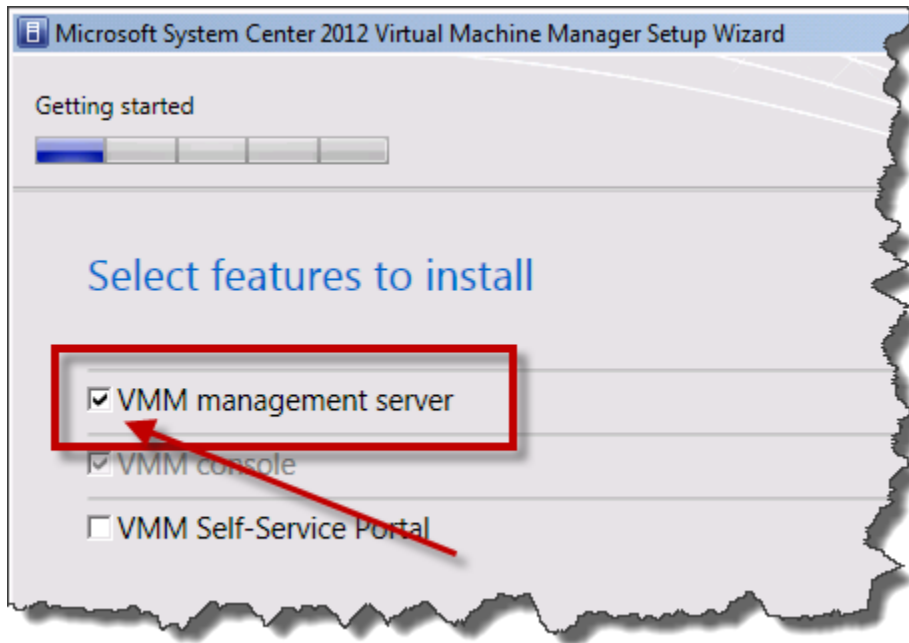
- Click **Run setup.exe**

You should see the Microsoft System Center 2012 Virtual Machine Manager installer welcome page.



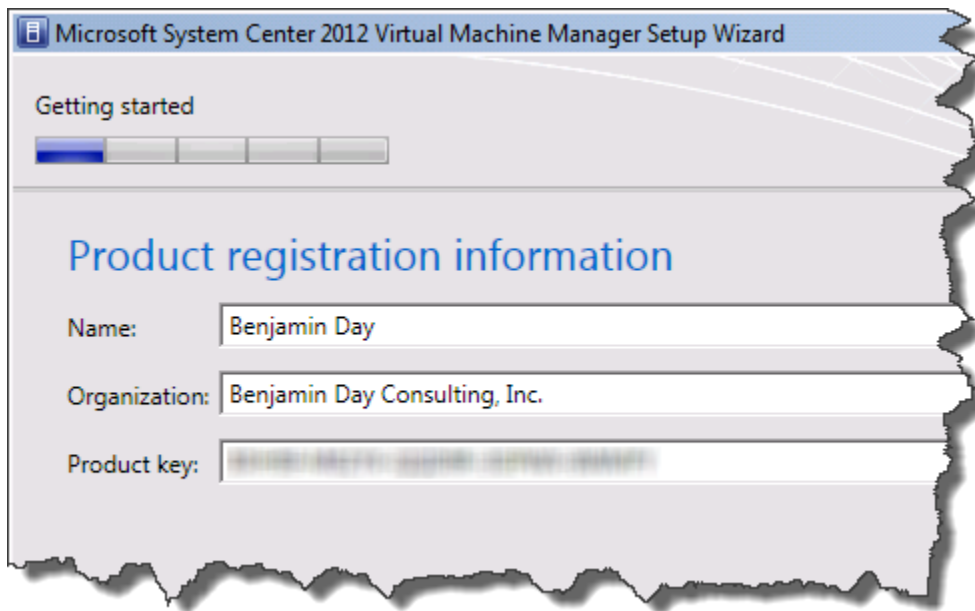
- Click **Install**

The setup wizard will prompt you to **select features to install**.



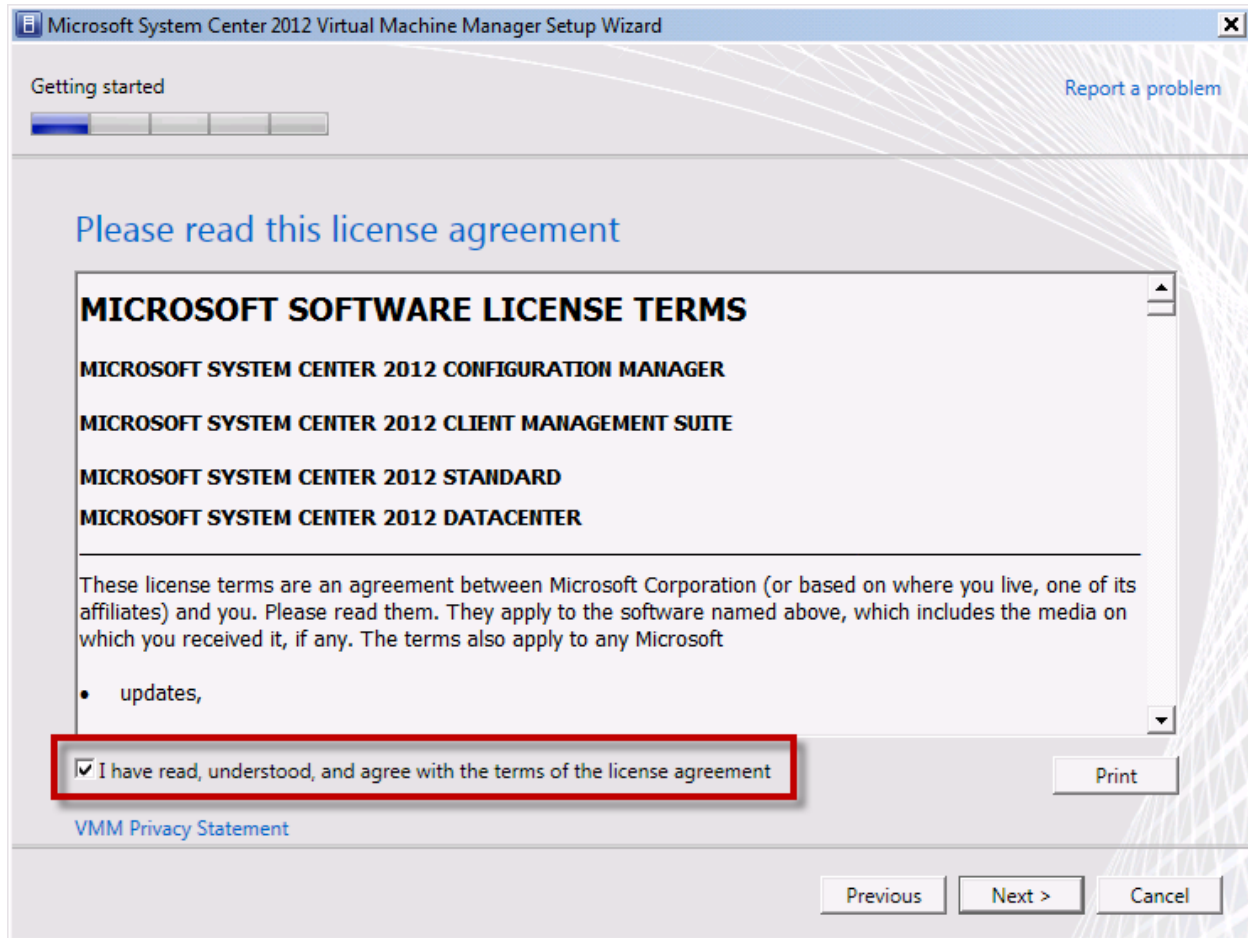
- Check **VMM management server**
- Click **Next**

You should now see the product registration information screen.

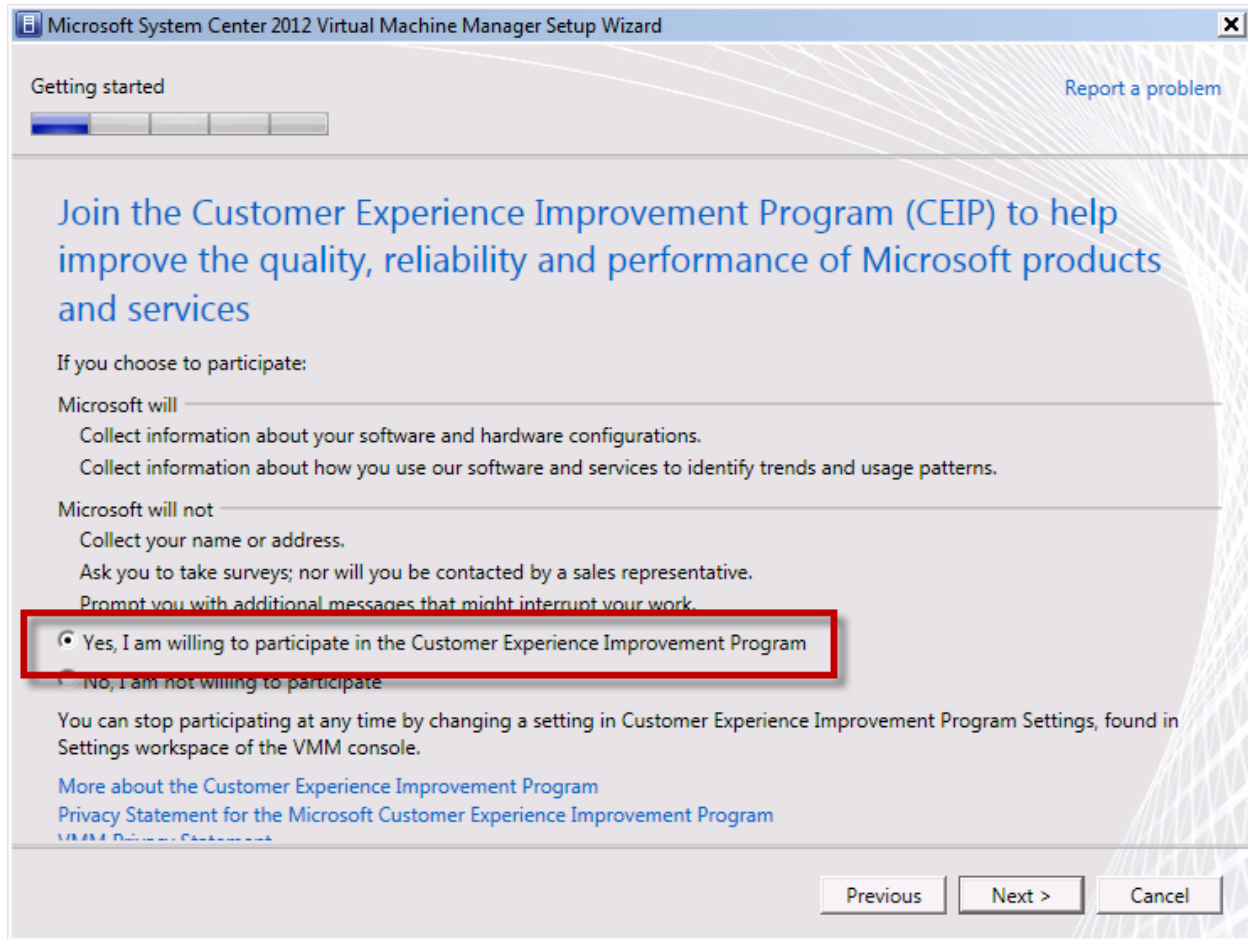


- Fill out the **Name** and **Organization** box with the relevant values for your company
- Enter a **Product key**
- Click **Next**

You should now be on the **Please read this license agreement** page.

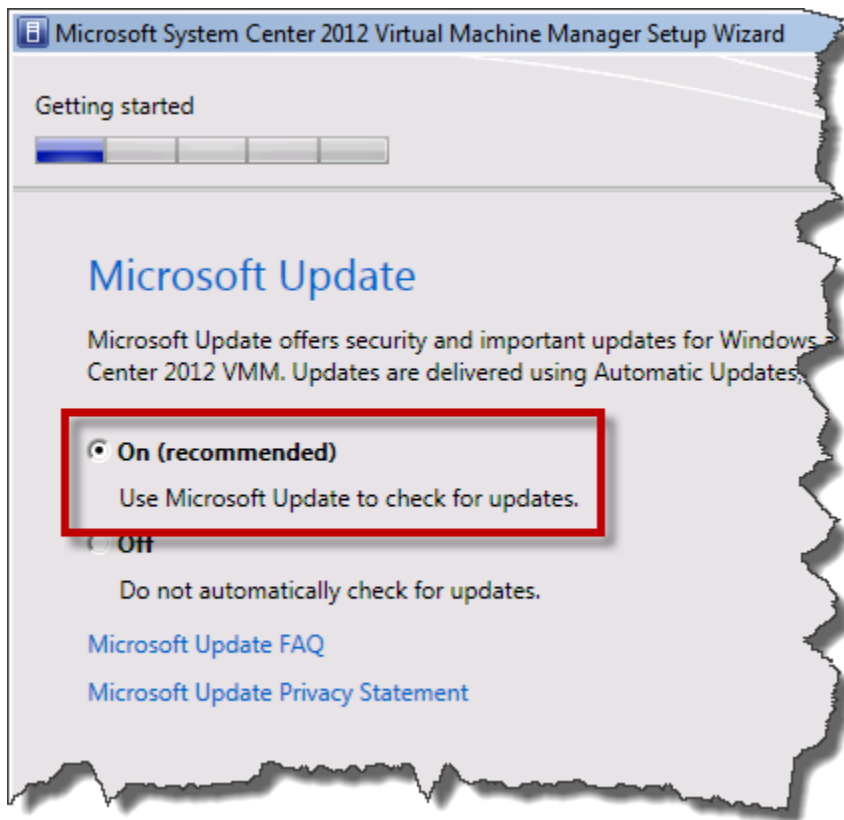


- Read the license terms
- Check **I have read, understood, and agree with the terms of the license agreement**
- Click **Next**



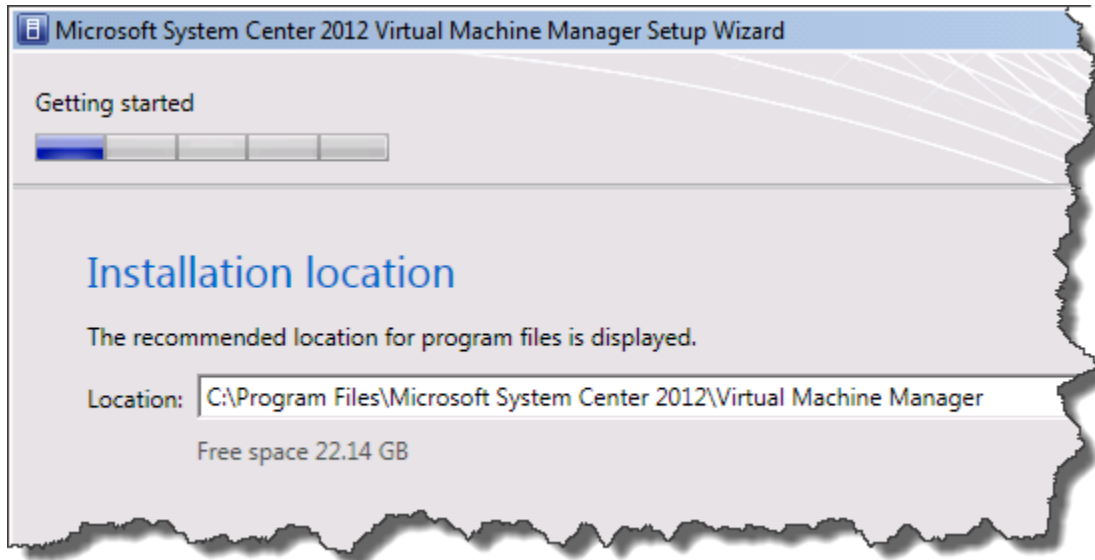
- Choose whether you want to participate in the Customer Experience Improvement Program
- Click **Next**

You should now be on the Microsoft Update page.



- Choose **On (recommended)**
- Click **Next**

On the Installation location page, you have the opportunity to choose where SCVMM is installed on disk. It is recommended to accept the defaults.



- Modify the **Location** only if absolutely necessary
- Click **Next**

You should now see the Database configuration page.

The screenshot shows the 'Database configuration' step of the Microsoft System Center 2012 Virtual Machine Manager Setup Wizard. The window title is 'Microsoft System Center 2012 Virtual Machine Manager Setup Wizard'. The 'Configuration' progress bar at the top shows the current step is active. A 'Report a problem' link is in the top right. The main heading is 'Database configuration'. Below it, a message says: 'Provide information about the database that you would like to use for your VMM management server.' The form includes the following fields and controls:

- 'Server name:' text box containing 'SCVMM2012' and a 'Browse' button.
- 'Port:' text box.
- An unchecked checkbox labeled 'Use the following credentials'.
- 'User name and domain:' text box with a hint 'Format: Domain\UserName'.
- 'Password:' text box.
- 'Instance name:' dropdown menu.
- A section titled 'Select an existing database or create a new database.' with two radio buttons:
 - 'New database:' (selected) with a text box containing 'VirtualManagerDB'.
 - 'Existing database:' with an empty dropdown menu.
- 'Previous', 'Next >', and 'Cancel' buttons at the bottom right.

- Click **Next**

You should now see the **Configure service account and distributed key management** page.

Microsoft System Center 2012 Virtual Machine Manager Setup Wizard

Configuration [Report a problem](#)

Configure service account and distributed key management

Virtual Machine Manager Service Account

Select the account to be used by the VMM service. Highly available VMM installations require the use of a domain account.
[Which type of account should I use?](#)

☒ Local System account

☐ Domain account

User name and domain: Password: [Select...](#)

Distributed Key Management

Select whether to store encryption keys in Active Directory instead of on the local machine. Highly available VMM installations require the keys be stored in Active Directory.

☐ Store my keys in Active Directory

Provide the location in Active Directory. For example, CN=DKM,DC=contoso,DC=com.

[How do I configure distributed key management?](#)

[Previous](#) [Next >](#) [Cancel](#)

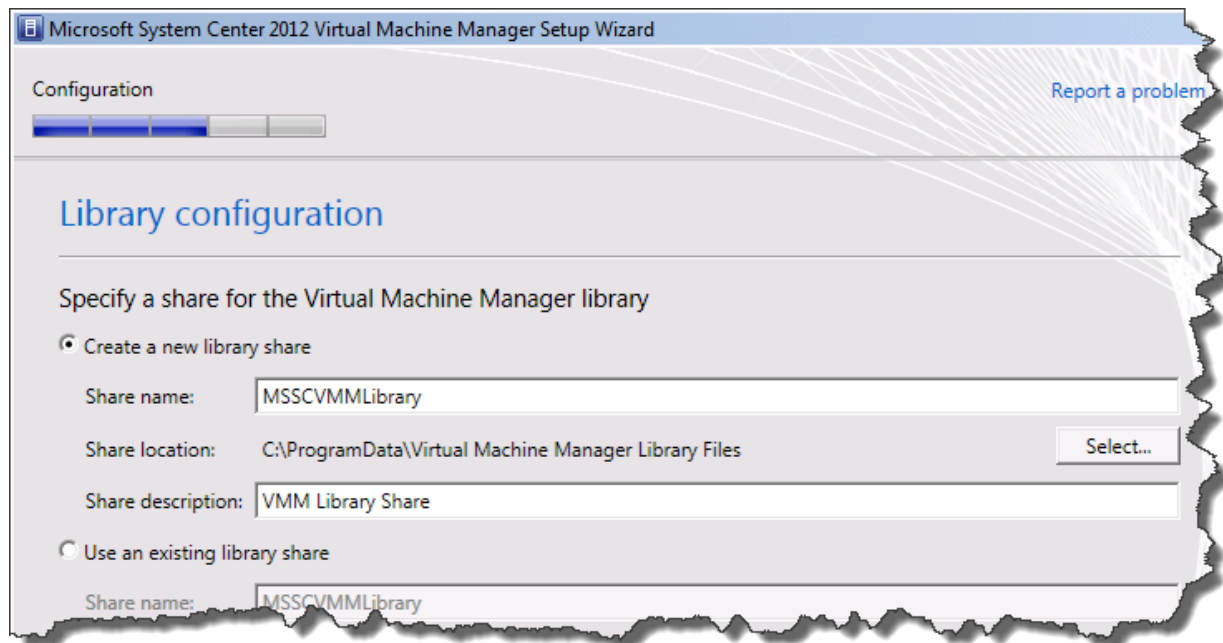
- Choose **Local System account**
- Uncheck **Store my keys in Active Directory**
- Click **Next**

You should now see the **Port configuration** screen.



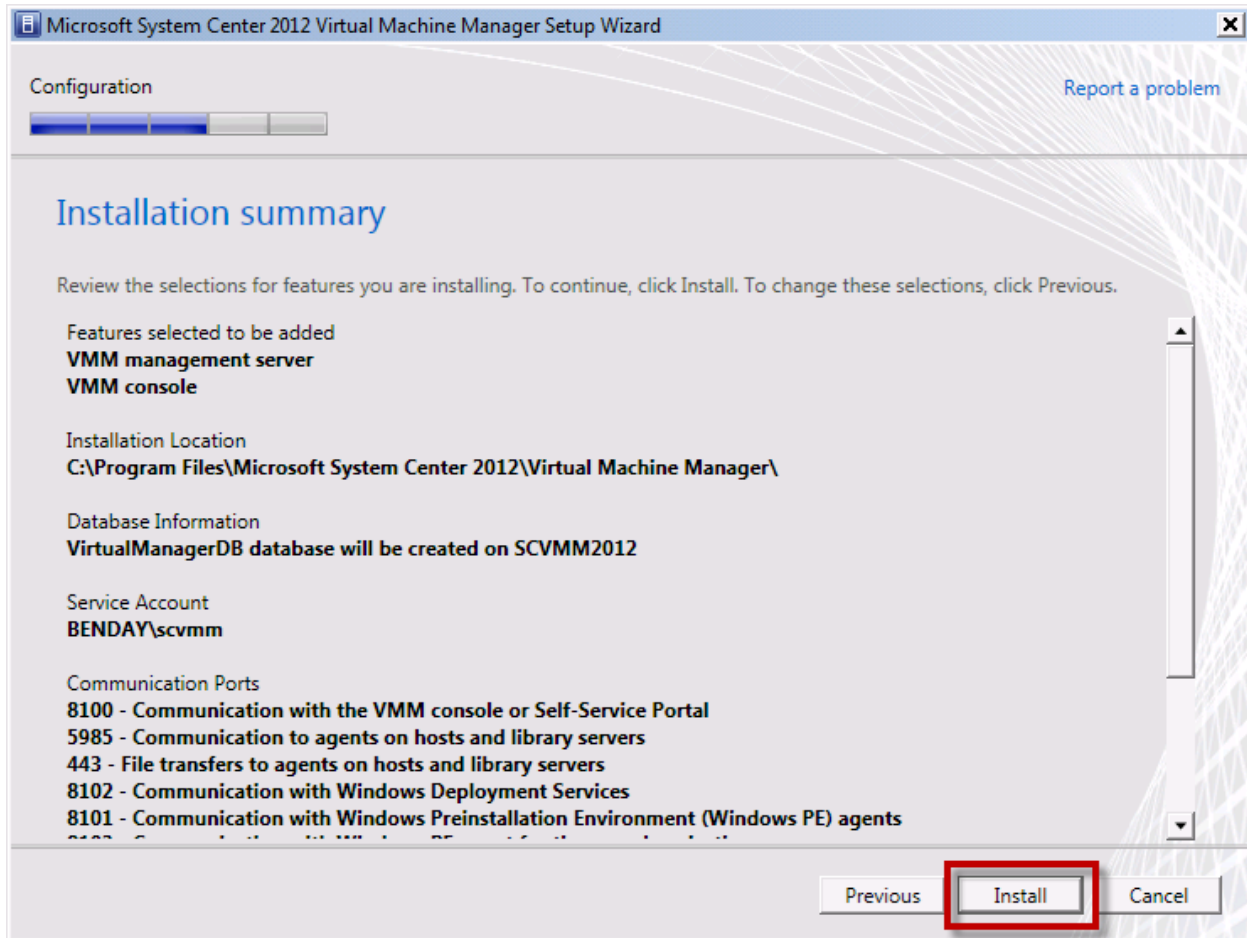
- Click **Next**

You should see the **Library configuration** screen.



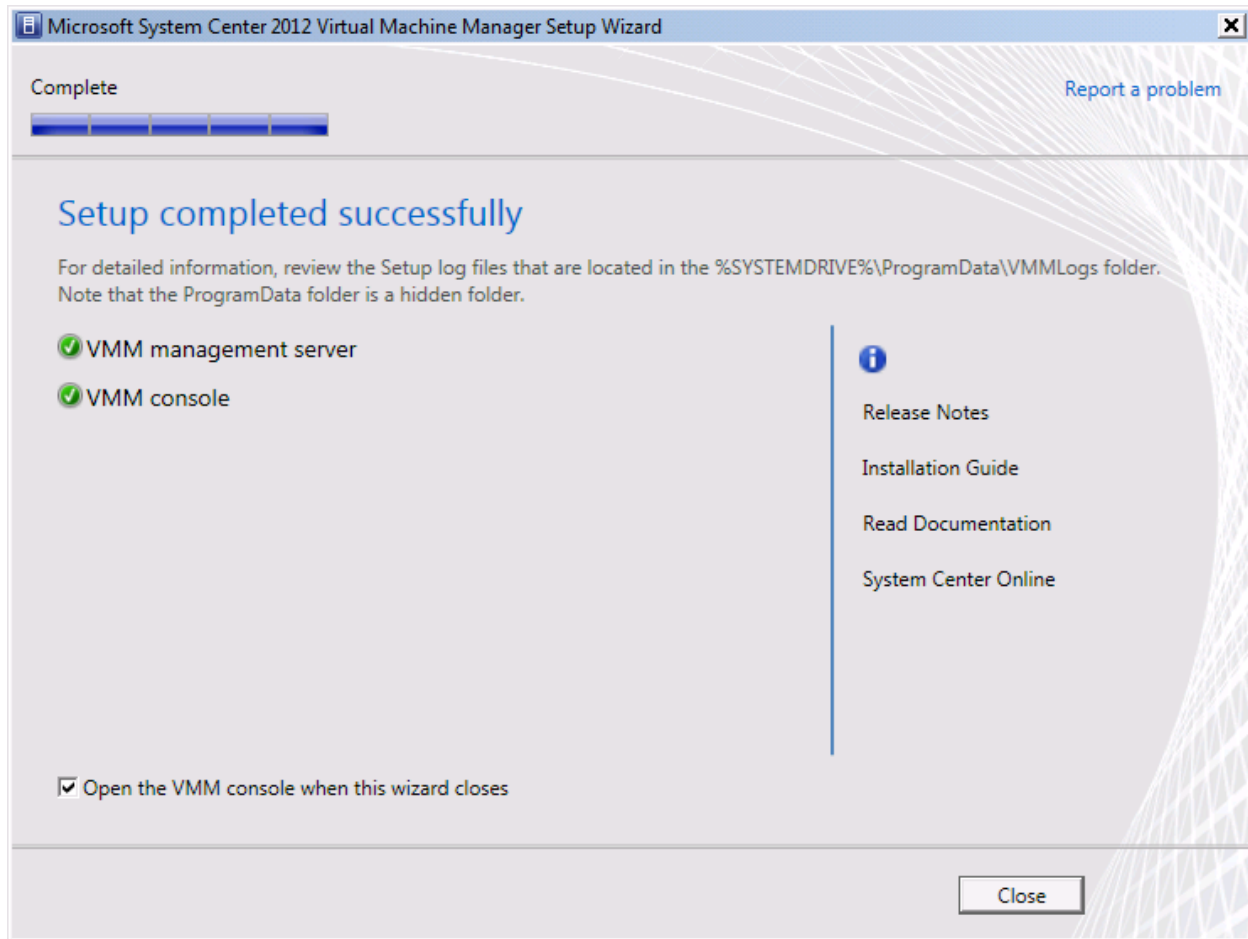
- Click **Next**

The wizard should now be on the **Installation summary** page.



- Click **Install** to begin the installation

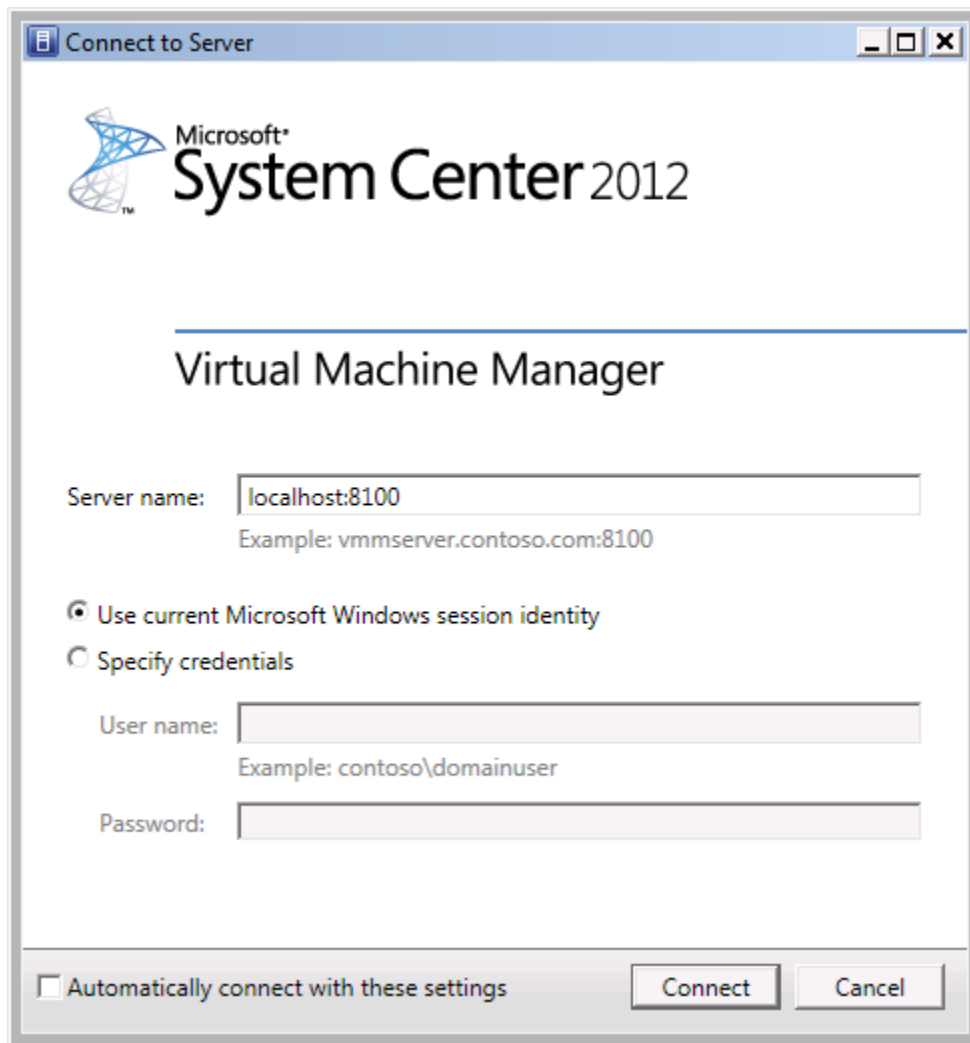
The installer process should run and eventually display the **Setup completed successfully** message.



- Check **Open the VMM console when this wizard closes**
- Click **Close** to exit the installer and start the VMM console

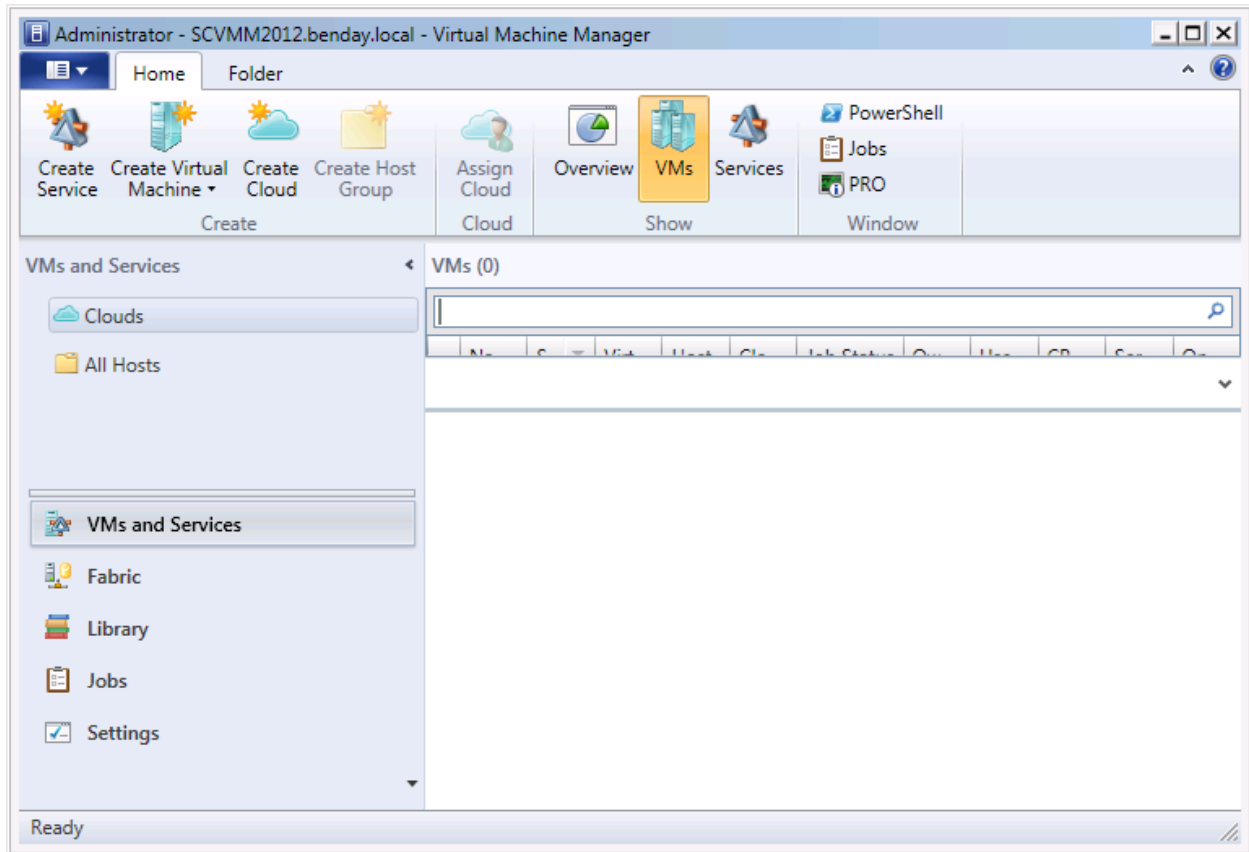
Verify You Can Connect

The installer should exit and you should see a new dialog prompting you to **Connect to Server**.



- Click **Connect**

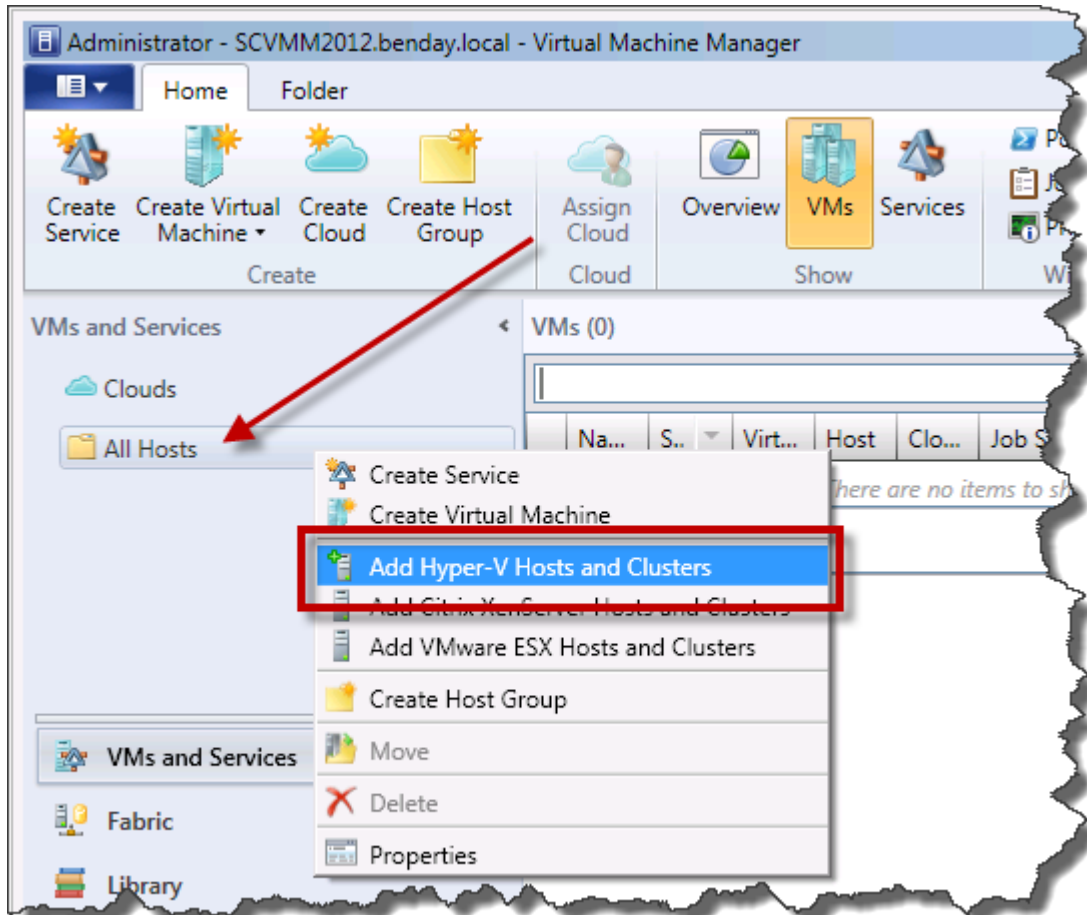
If you see the following screen, then you've managed to connect to your new SCVMM server.



The next step is to add the Hyper-V host that you'll eventually use for Team Foundation Server 2012 Lab Management.

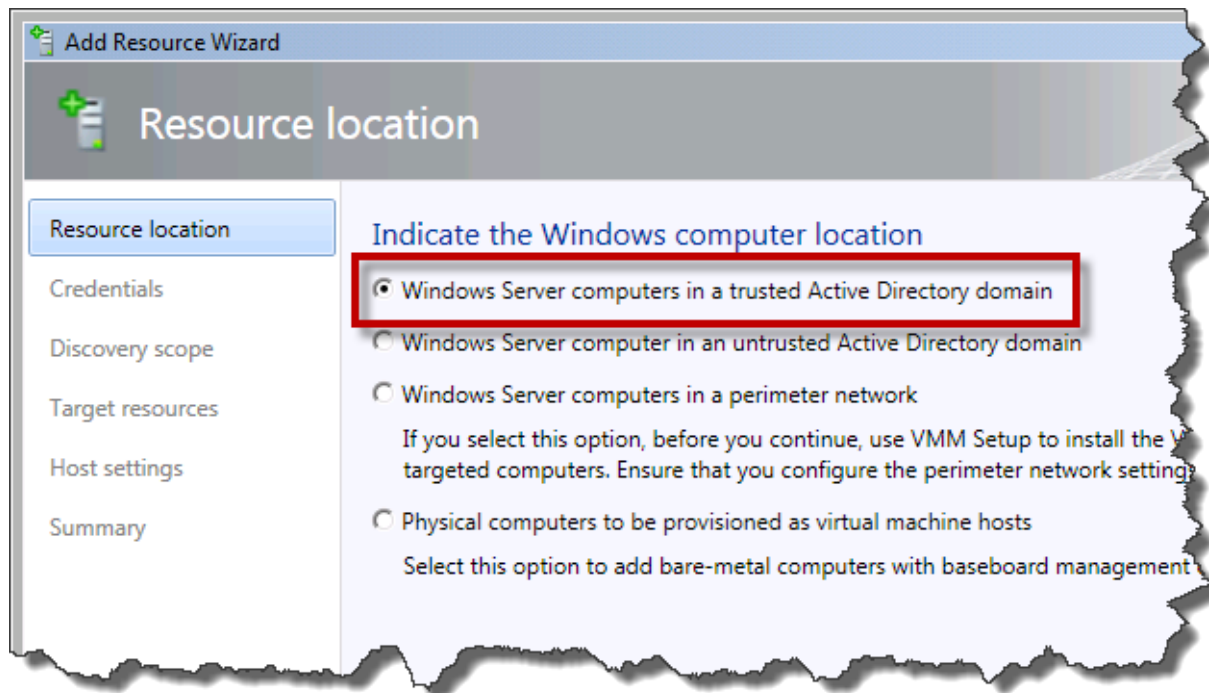
Add a Hyper-V Host Machine to SCVMM 2012

You should still be on the main page of the SCVMM admin console and you should see the **VMs and Services** section of the user interface. In the left column, you should see **VMs and Services** and under that you should see a node that is labeled **All Hosts**.



- Right-click **All Hosts** and choose **Add Hyper-V Hosts and Clusters**

The **Add Resource Wizard** should launch and you should see the **Resource location** page.



- Choose **Windows Server computers in a trusted Active Directory domain**
- Click **Next**

You should now see the **Specify the credentials to use for discovery** page. This page requires you to enter the credentials for a user who is an administrator on the target Hyper-V host machine. These credentials are **only** going to be used **for installing** the SCVMM Agent Service and will not be used for running the service.

- Choose **Manually enter the credentials**
- In the **User name** field, enter the user name for the installation user
- In the **Password** field, enter the password for the installation user
- Click **Next**

You should now see the **Specify the search scope for the virtual machine host candidates** screen. This screen allows you to enter the name of the server or servers that you want to configure as a Hyper-V host.

Add Resource Wizard

Discovery scope

Specify the search scope for virtual machine host candidates

Search for computers by whole or partial names, FQDNs, and IP addresses. Alternatively, you may generate an Active Directory query to discover the desired computers.

☒ Specify Windows Server computers by names

☐ Specify an Active Directory query to search for Windows Server computers

Enter the computer names of the hosts or host candidates that you want VMM to manage. Each computer name must be on a separate line.

Computer names:

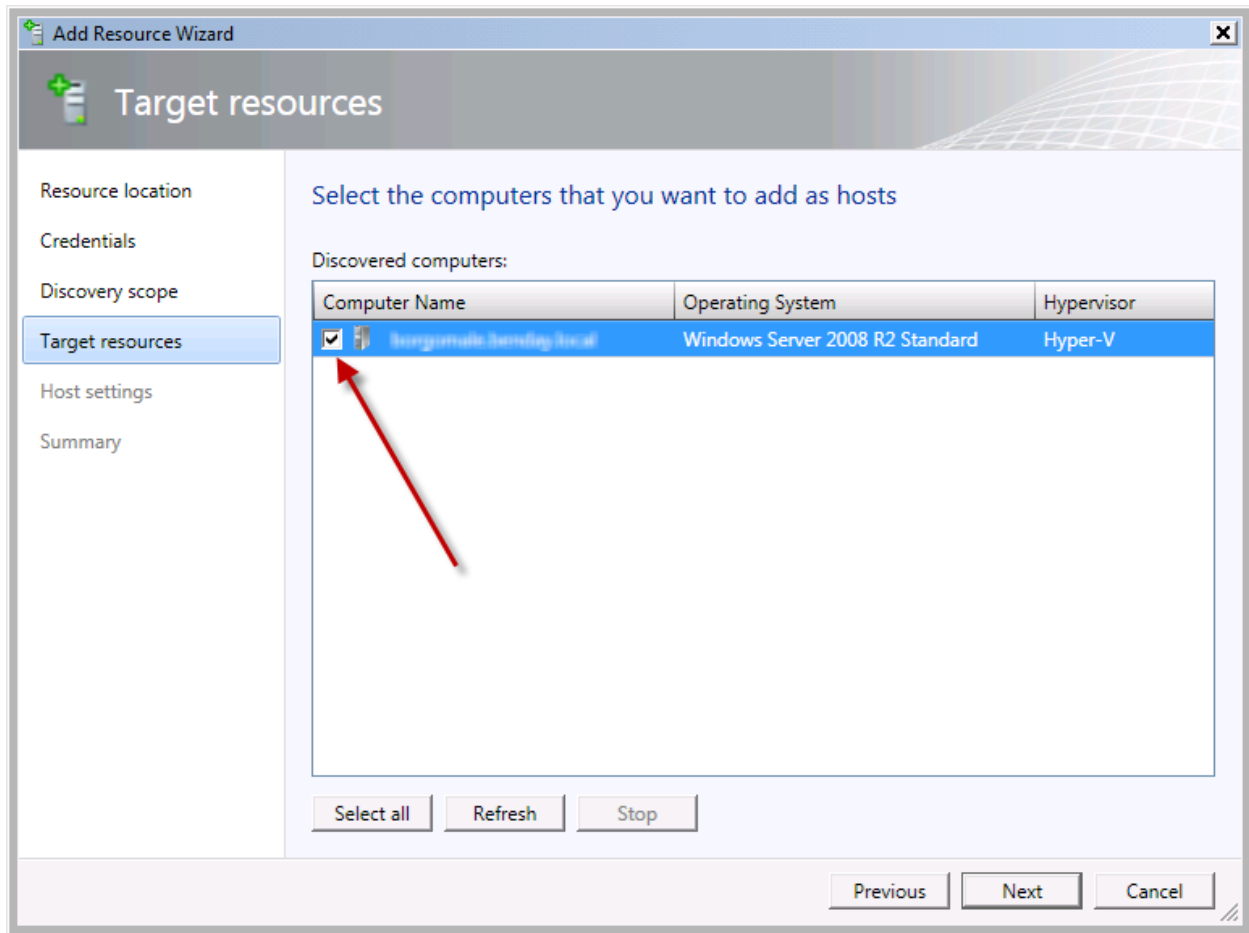
☐ Skip AD verification

Examples: server1
server1.contoso.com
10.0.1.1
2a01:110:1e:3:f8fcfe44:23

Previous Next Cancel

- Choose **Specify Windows Server computers by names**
- In the **Computer names** box, enter the name of the Hyper-V host you want to add
- Click **Next**

The installer will search for the servers in Active Directory and eventually display them on the **Select the computers that you want to add as hosts** page.



- Check the checkbox next to each server you want to add
- Click **Next**

The wizard should now be displaying the **Specify a host group and virtual machine placement path settings for hosts** page.

Add Resource Wizard

Host settings

Resource location
Credentials
Discovery scope
Target resources
Host settings
Summary

Specify a host group and virtual machine placement path settings for hosts

Assign the selected computers to the following host group:

Host group: **All Hosts**

If any of the selected hosts are currently managed by another Virtual Machine Manager (VMM) environment, select this option to reassociate the hosts with this VMM management server.

☐ Reassociate this host with this VMM environment

VMM uses virtual machine placement paths as default locations to store virtual machines placed on a host. To add a new virtual machine placement path, specify a path and click Add.

Add the following path:

Add

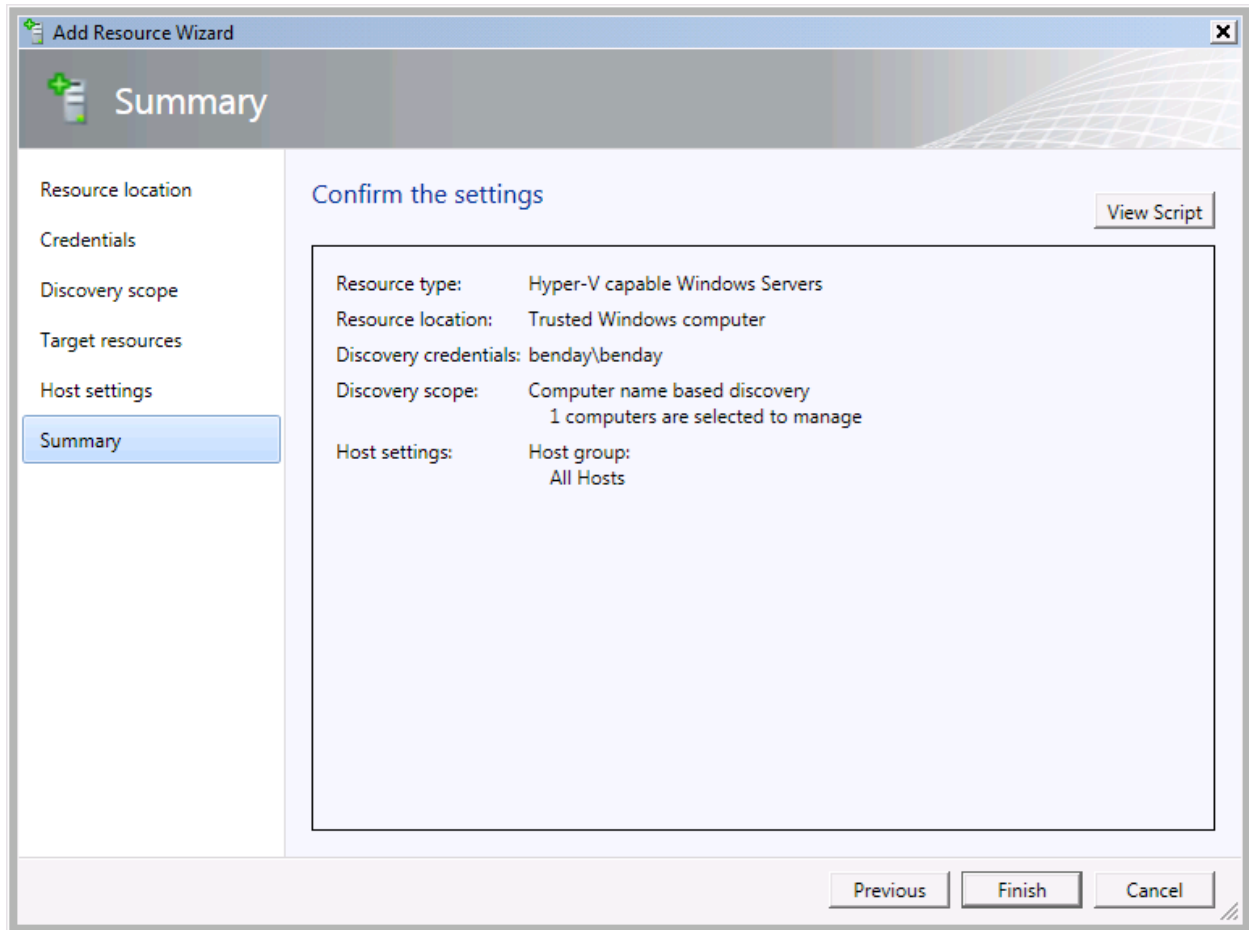
Selected virtual machine placement paths:

Remove

Previous **Next** **Cancel**

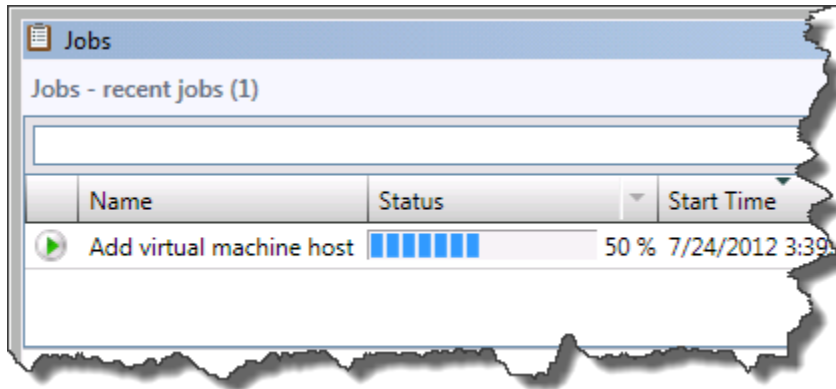
- Click **Next**

You should now see the **Confirm the settings** page with a summary of your selections.

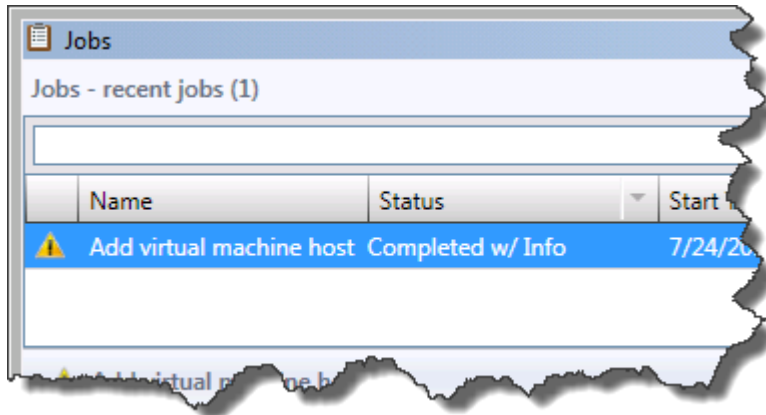


- Click **Next**

You should see a new **Jobs** window pop up and you should see the **Add virtual machine host** job running.

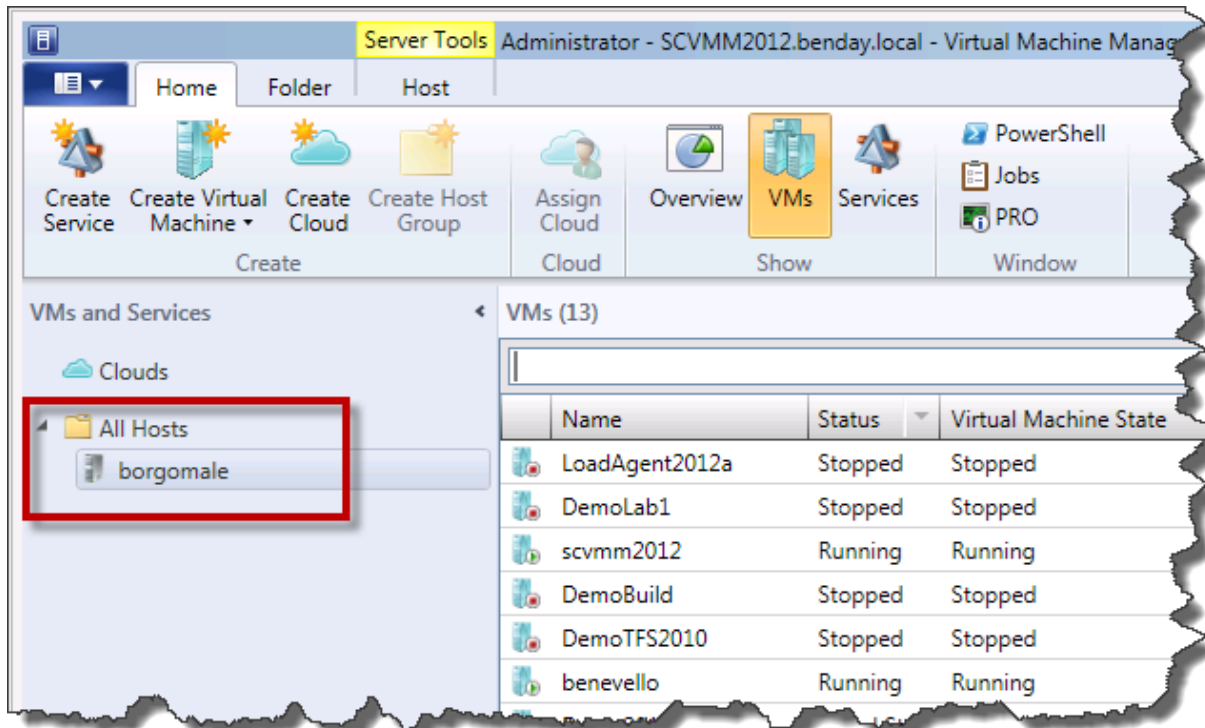


The job should complete without any errors. (Note: there may be "info" warnings.)



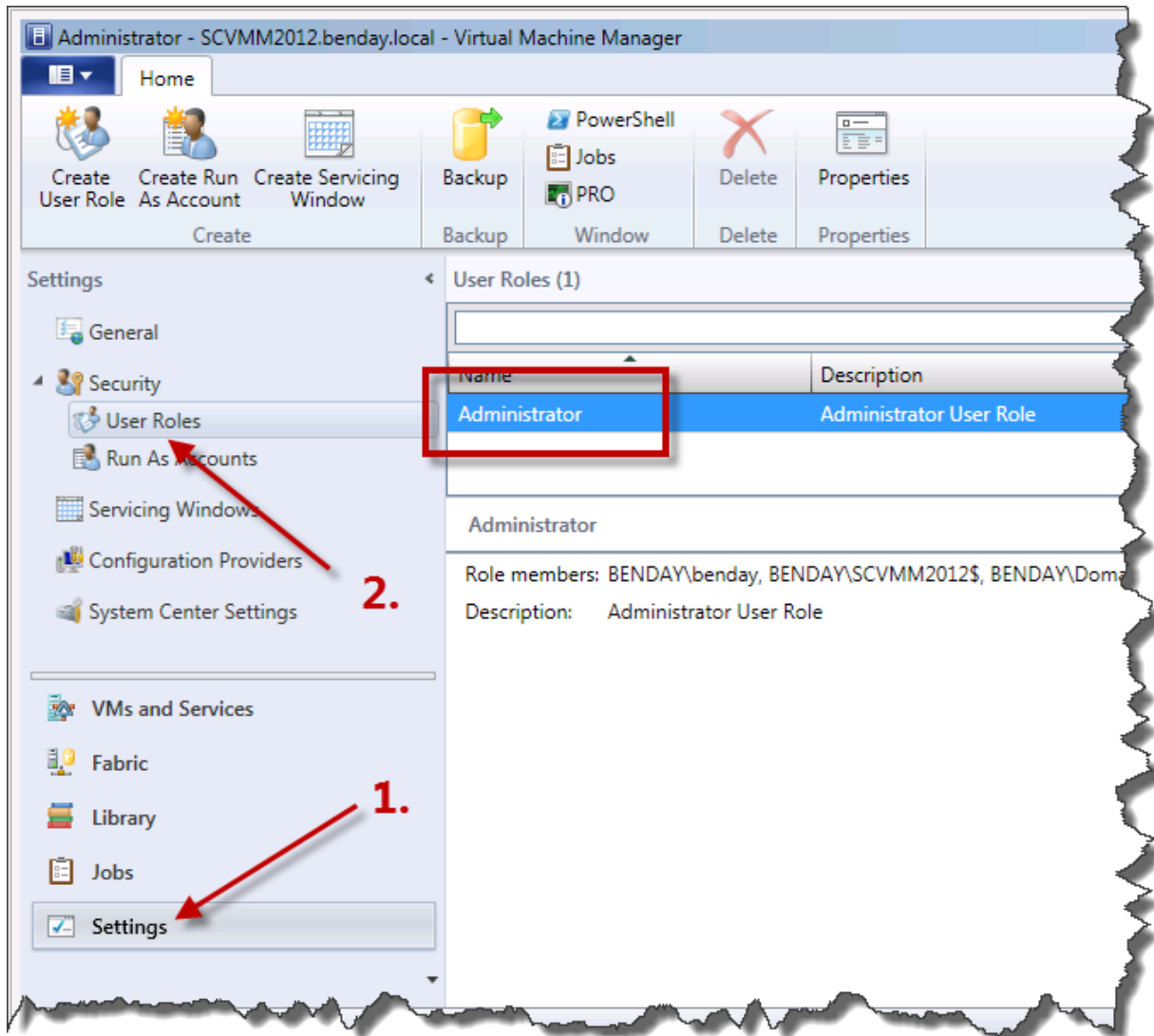
- Close the **Jobs** window

After you close the jobs window, you should see the SCVMM Console again. In the left column, you should see the new host you just added and, if you click on the host, the list of virtual machines on that host should be visible.



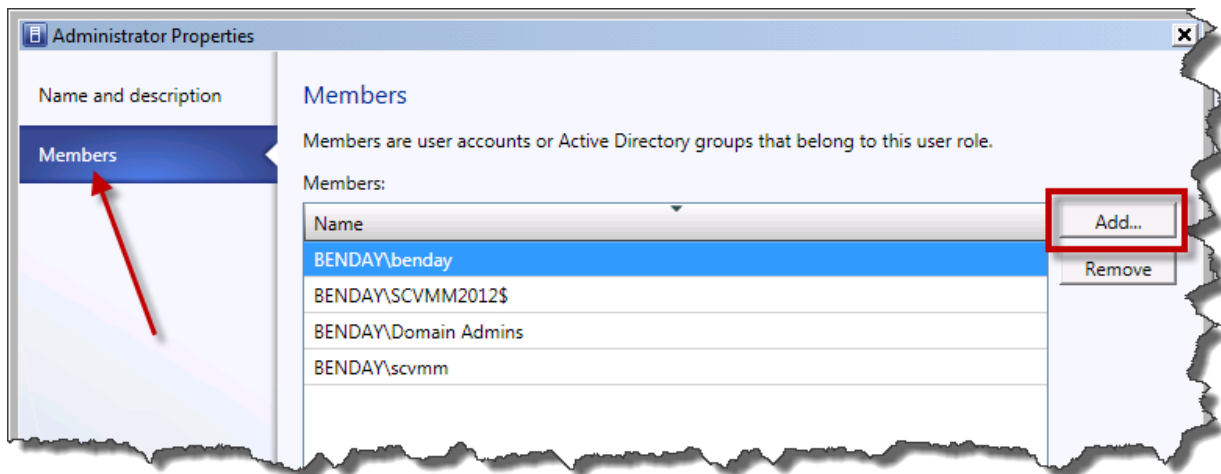
Configure System Center Virtual Machine Manager 2012 (SCVMM2012) for Team Foundation Server 2012 (TFS2012)

In order to interact with SCVMM, the service account for Team Foundation Server (TFS) needs administrator permissions.



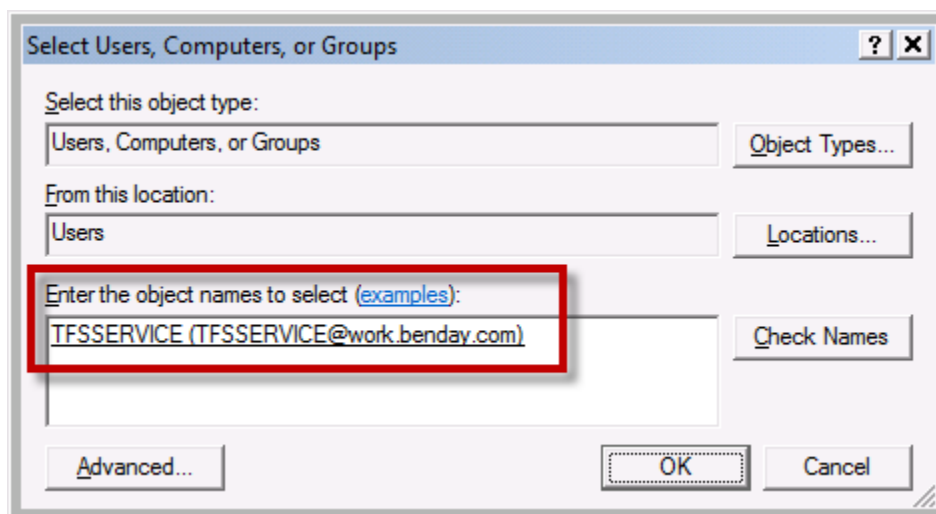
- Click the **Settings** button
- Expand the **Security** node and click **User Roles**
- Double-click the **Administrator** role

You should now see the **Administrator Properties** dialog.



- Click the **Members** button in the left column
- Click the **Add...** button

On the **Select Users, Computers, or Groups** dialog, enter the TFS service account user name.



- In the **Enter the object names to select** box, type the username for the TFS service account (example: benday\TFSService)
- Click **OK** to exit the dialog

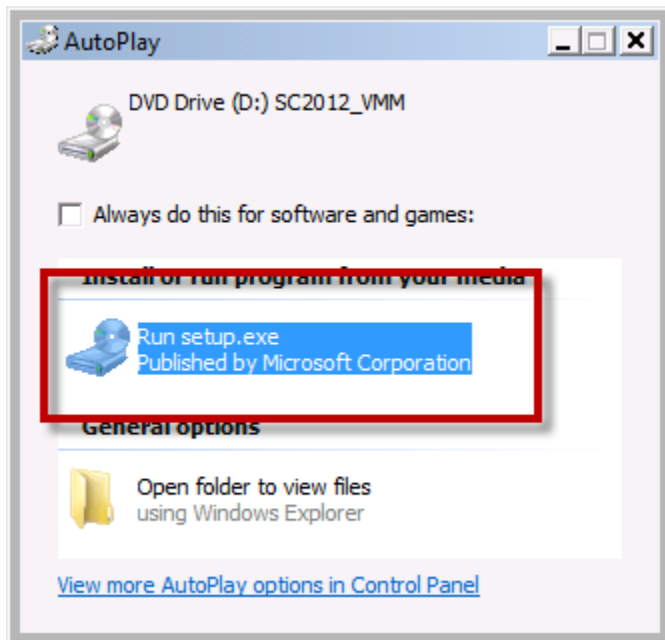
You should now be back on the **Administrator Properties** dialog.

- On the **Administrator Properties** dialog, click **OK**
- Close the **SCVMM administrator console**
- Run **Windows Update** and install any available updates

Configure Team Foundation Server to Use Lab Management

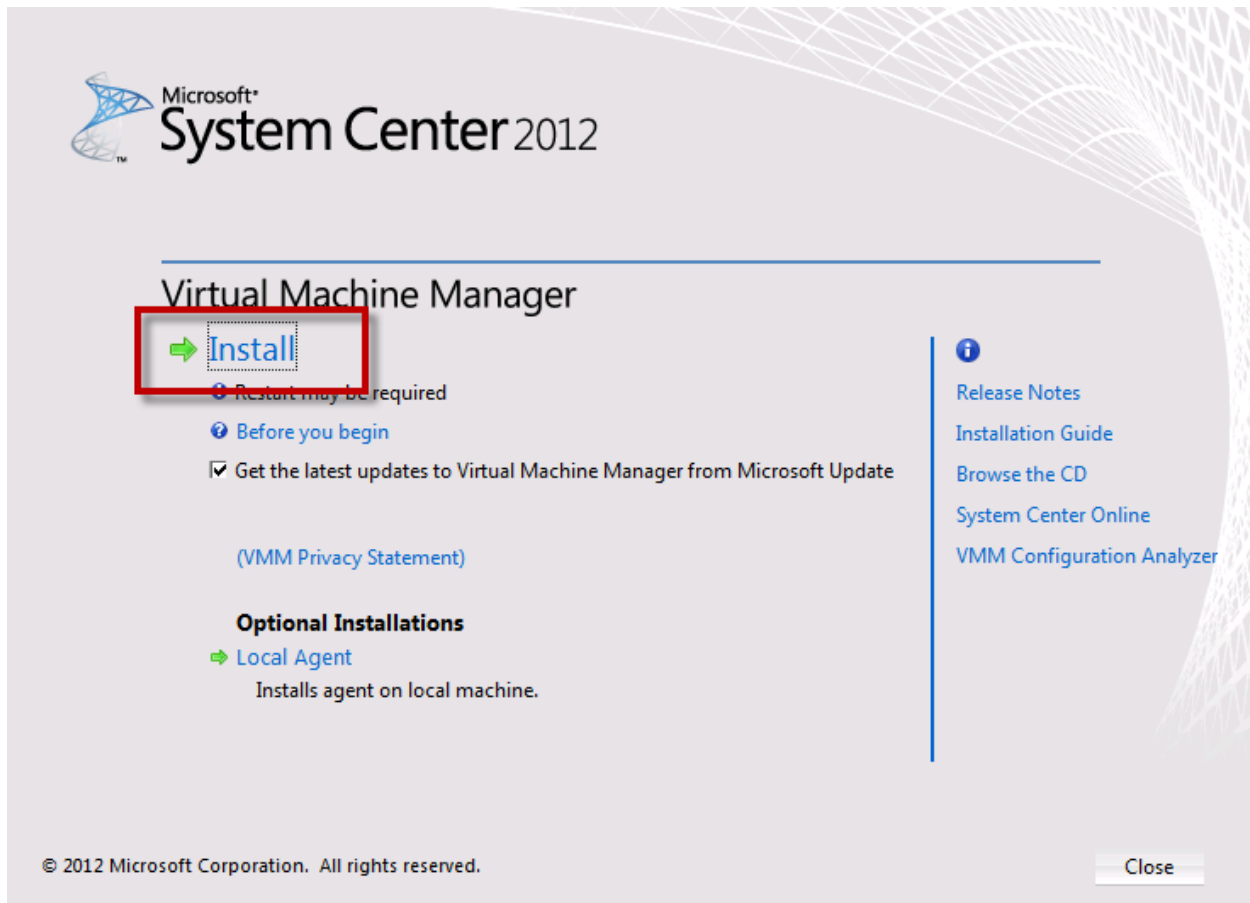
At the moment, our TFS machine doesn't know anything about the System Center configuration that we'll use for Lab Management. To start, we'll need to install **System Center Virtual Machine Manager** on our TFS machine.

- **Log on** to the **Team Foundation Server machine** as a user with Administrator permissions
- Insert the SCVMM 2012 disk or mount the ISO



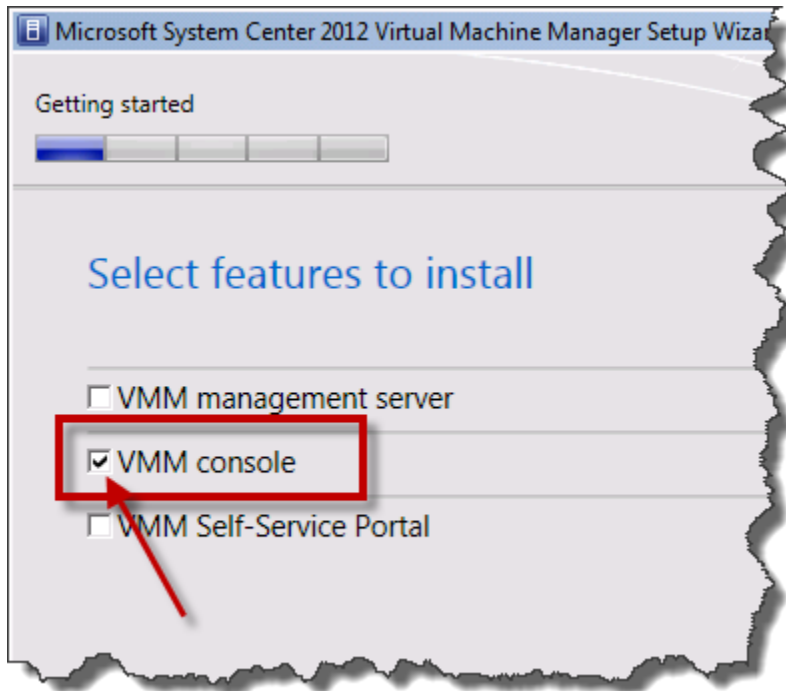
- Click **Run setup.exe**

You should see the Microsoft System Center 2012 Virtual Machine Manager installer welcome page.



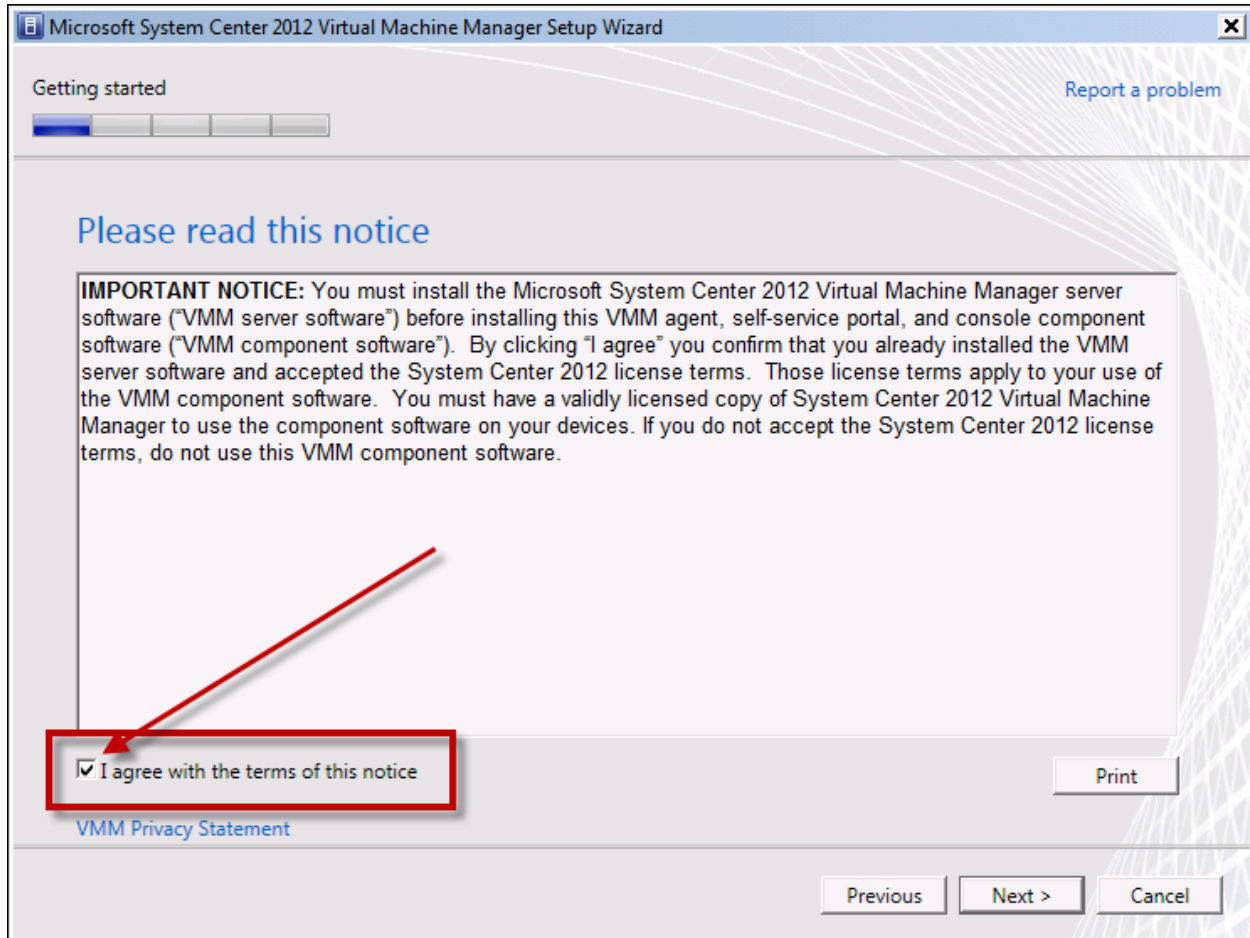
- Click **Install**

The setup wizard will prompt you to **select features to install**.



- Check **VMM console**
- Click **Next**

You should now see the **Please read this notice** screen.



- Check the **I agree with the terms of this notice** checkbox
- Click **Next**

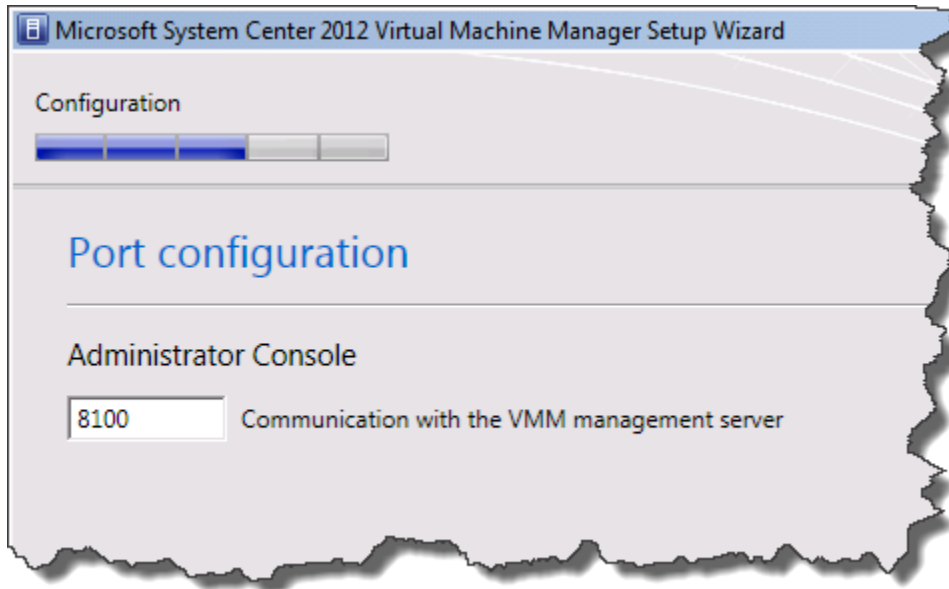
You should now see the **Customer Experience Improvement Program** page.

- Click **Next**

You should now see the **Installation location** page.

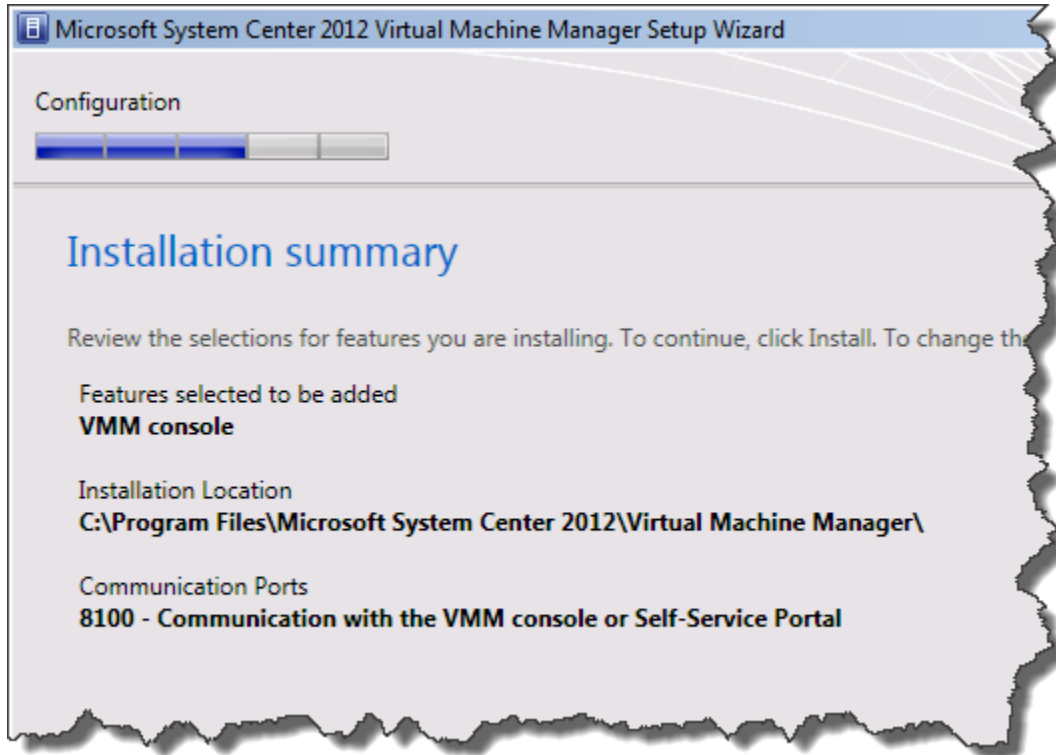
- Click **Next**

You should now see the **Port configuration** page. If you used all the default values when you installed the SCVMM server, you don't have to make any changes on this page.



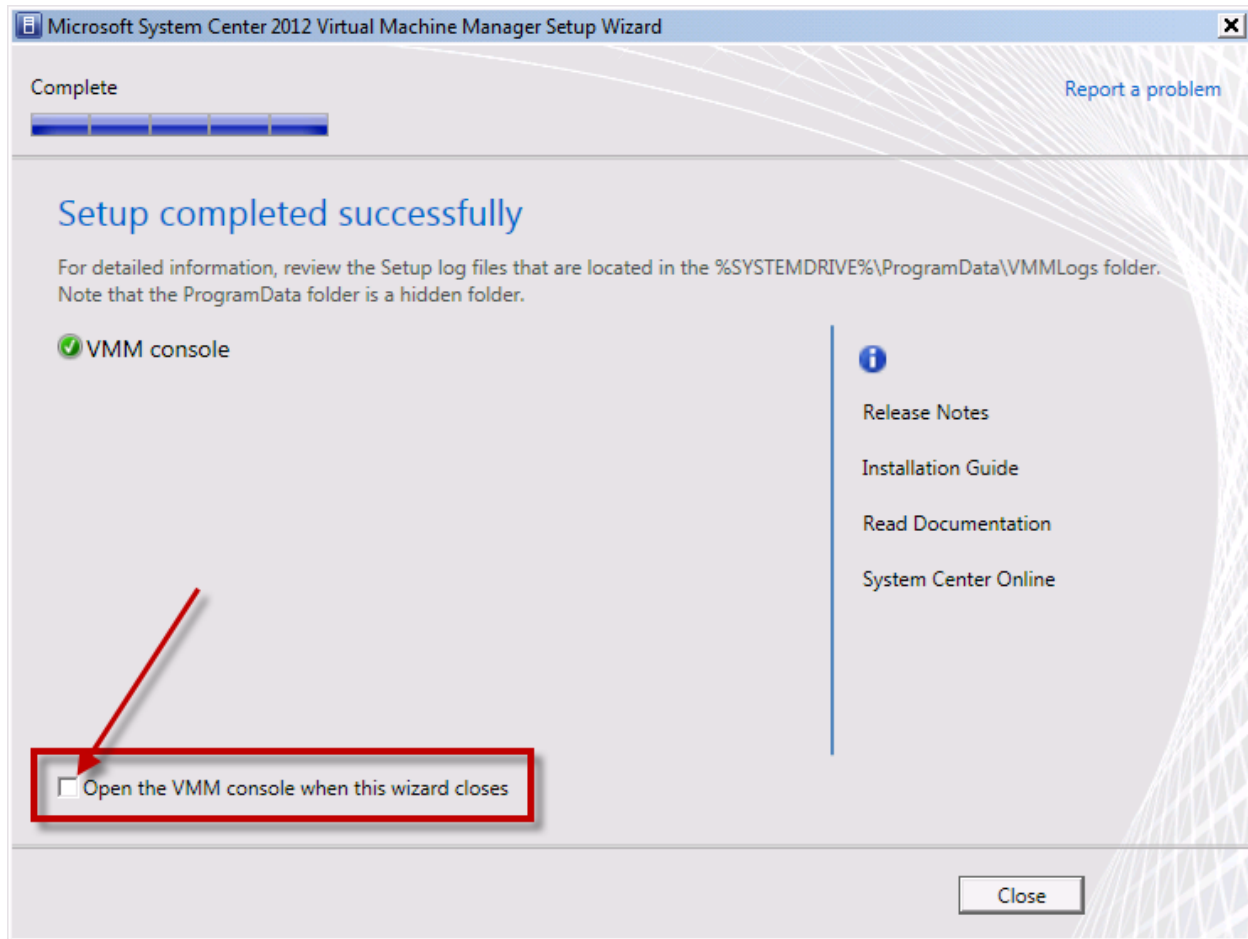
- Click **Next**

You should now see the **Installation summary** page.



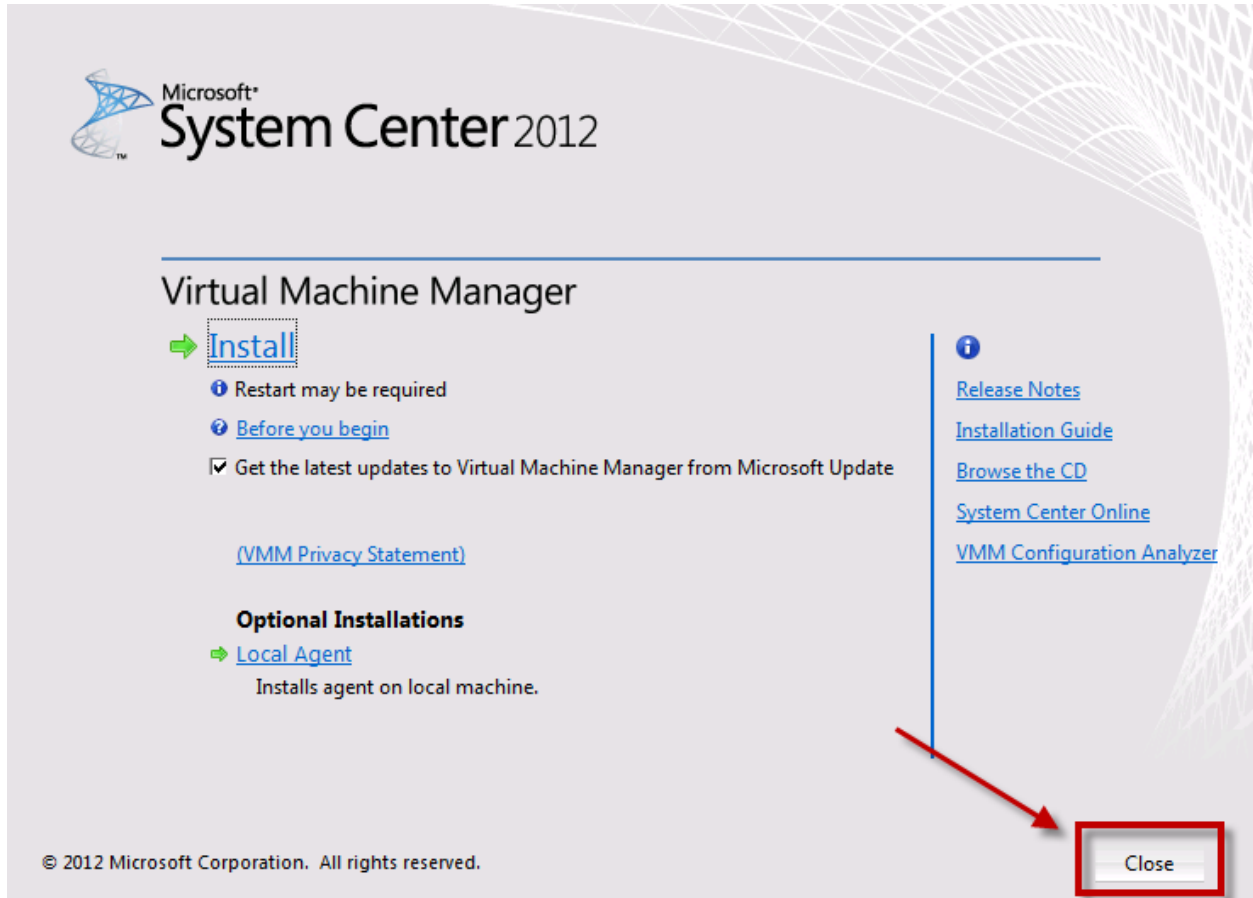
- Click **Install**

You should now be on the **Setup completed successfully** page and you should see that the **VMM console** feature installed successfully.



- Uncheck **Open the VMM console when this wizard closes**
- Click **Close**

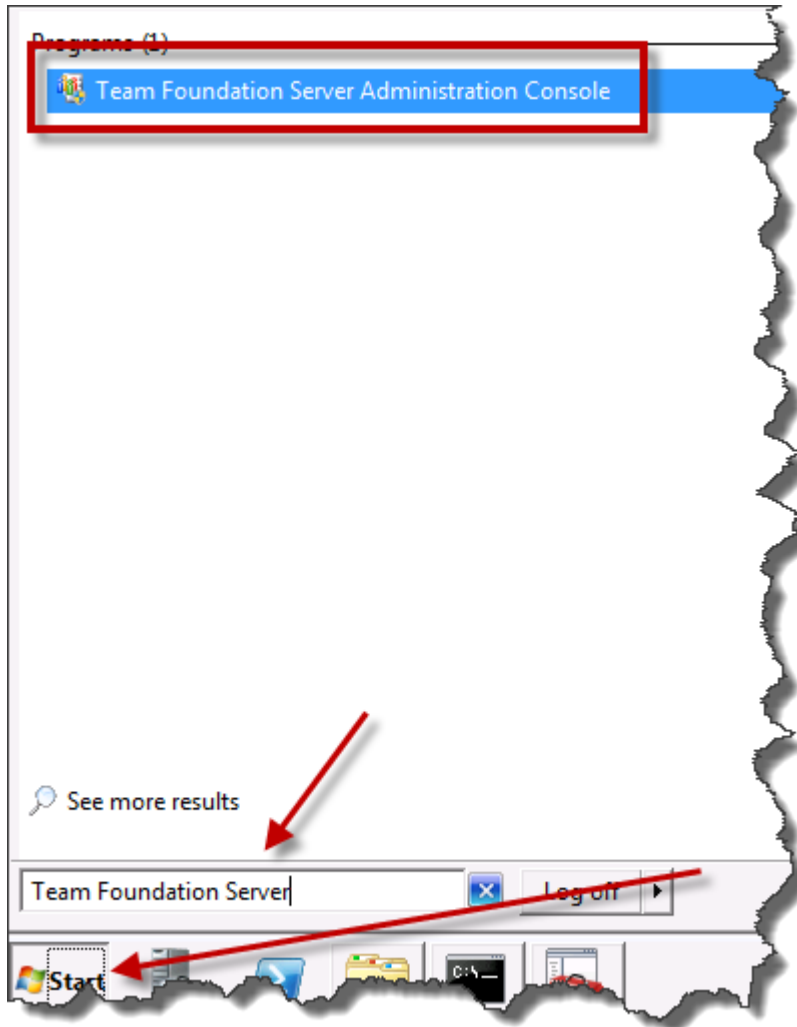
You should be back at the main page of the SCVMM installer.



- Click **Close**

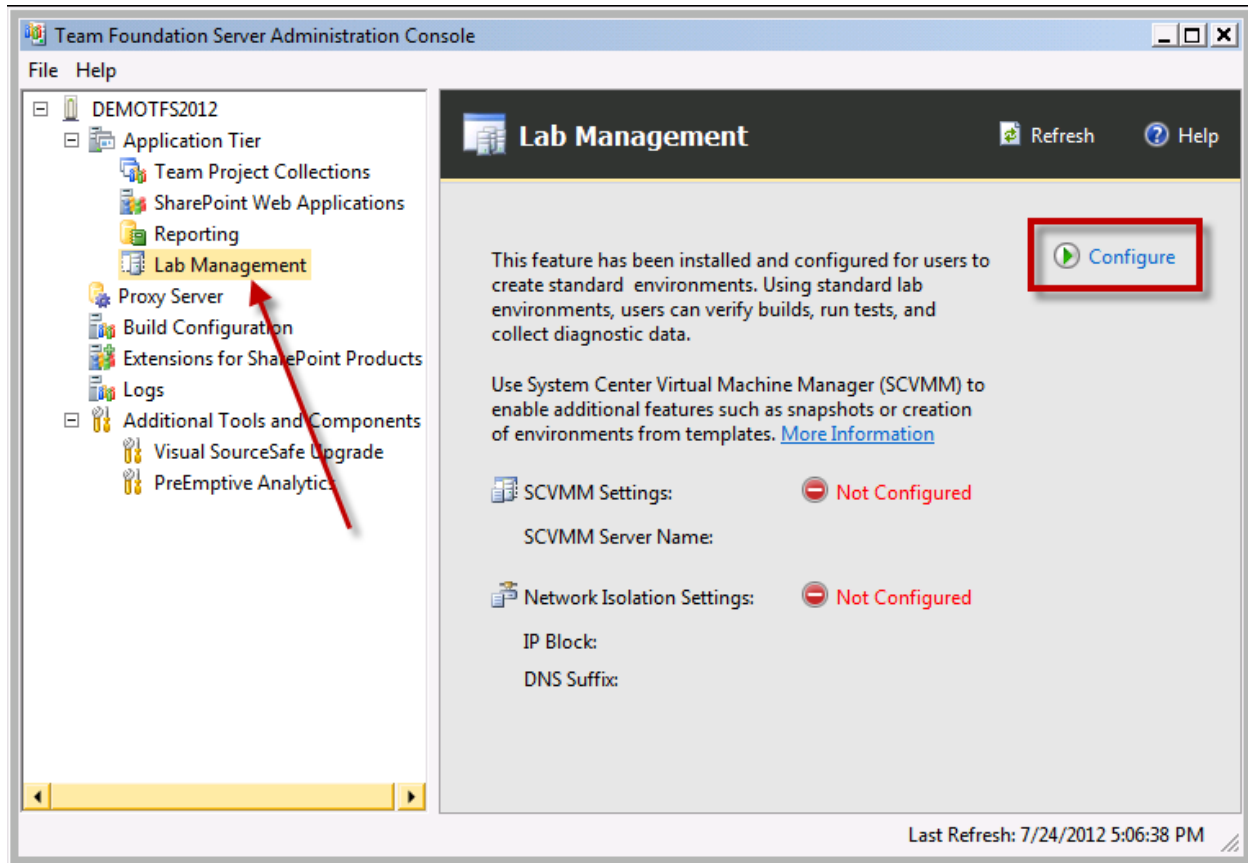
Enable the Team Foundation Server 2012 Lab Management Feature

You'll now need to run the **Team Foundation Server Administration Console** in order to enable the Lab Management features.



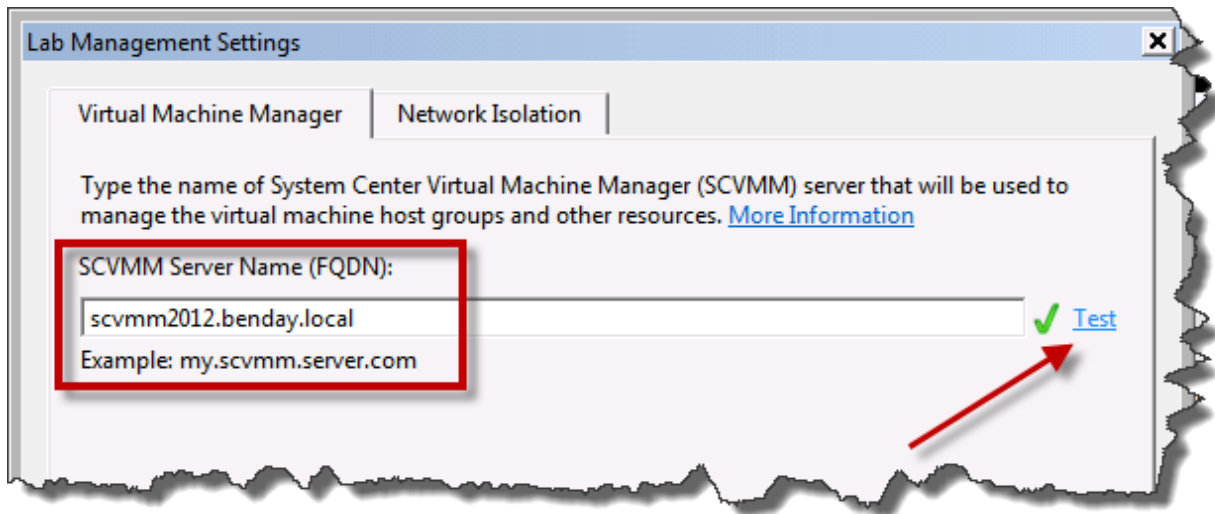
- Click the **Windows Start** button
- In the search box, type **Team Foundation Server**
- From the search results, choose **Team Foundation Server Administration Console**

When the administration console loads, you'll need to navigate to the **Lab Management** section.



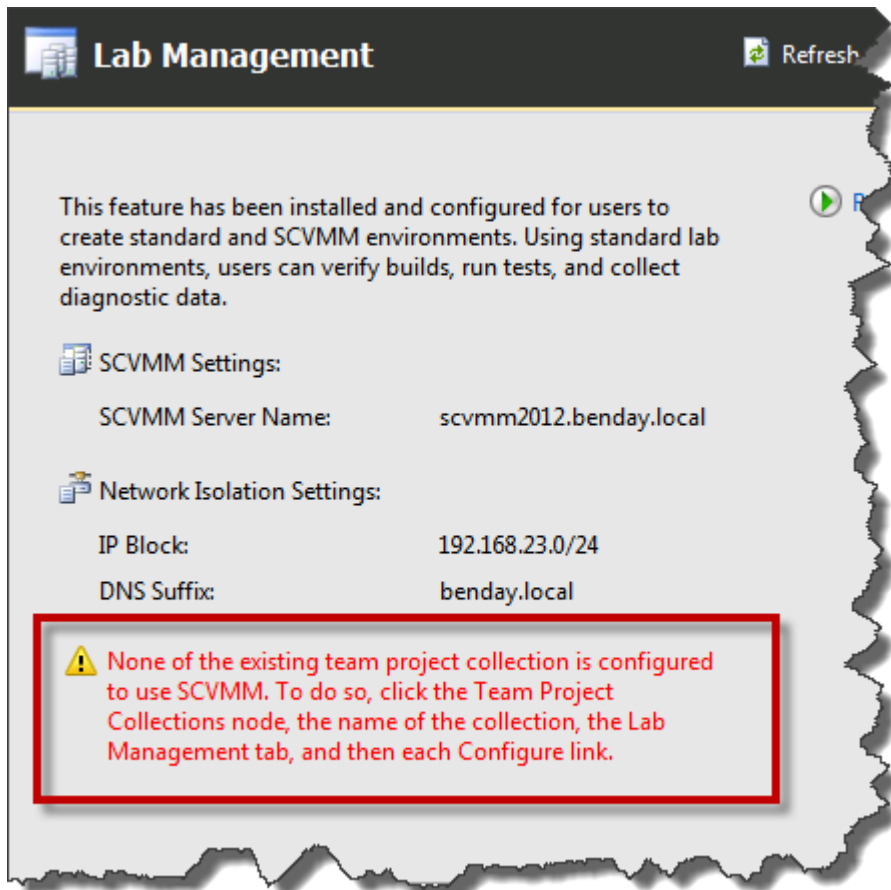
- From the left column, click **Lab Management**
- In the right panel, click **Configure**

You should now see the **Lab Management Settings** dialog. This dialog connects your TFS installation to SCVMM.

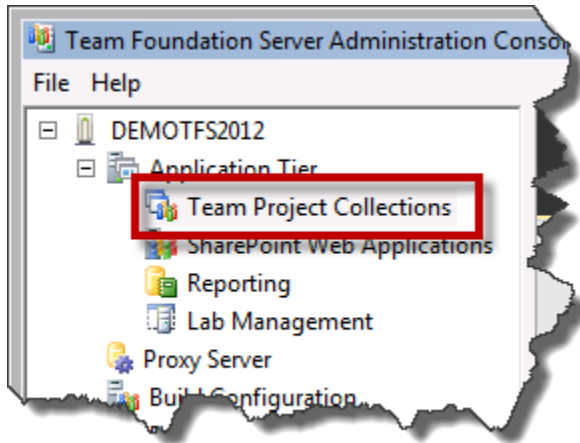


- In the **SCVMM Server Name (FQDN)** box, type the fully-qualified name of your SCVMM server.
- Click the **Test** link
- After the Test link has run, verify that the checkmark is visible
- Click **OK**

You should now be back on the Lab Management configuration page and you should see a message saying "none of the existing team project collections is configured to use SCVMM."

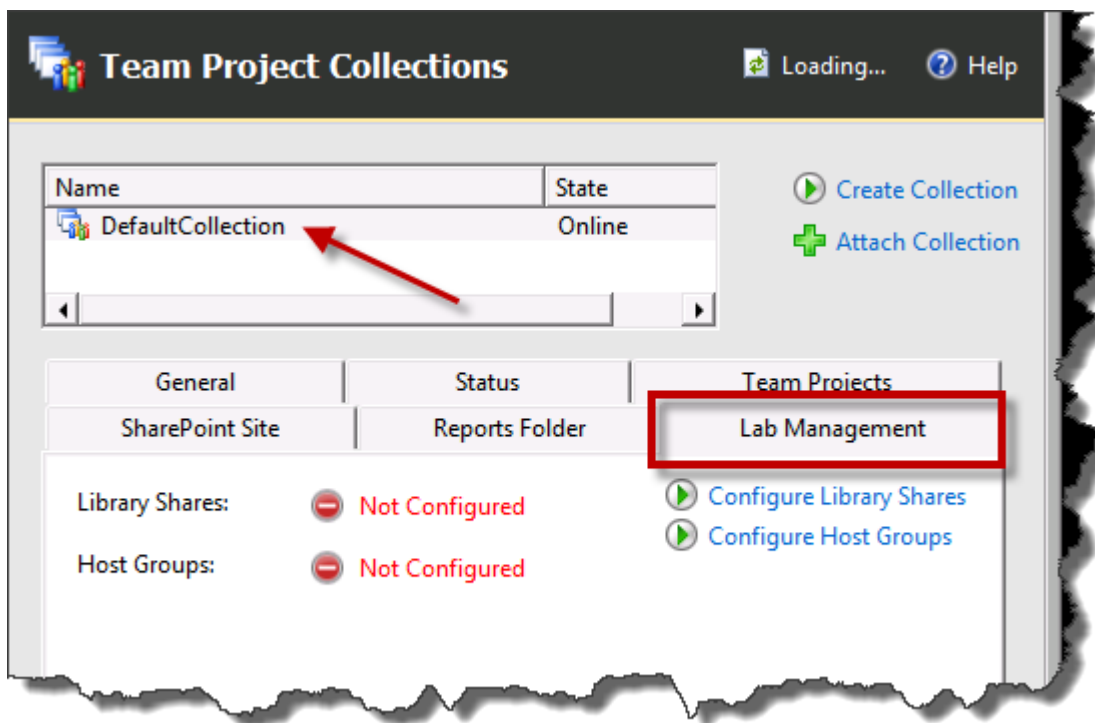


To configure your Team Project Collection(s) for Lab Management, start by going to the Team Project Collections node.



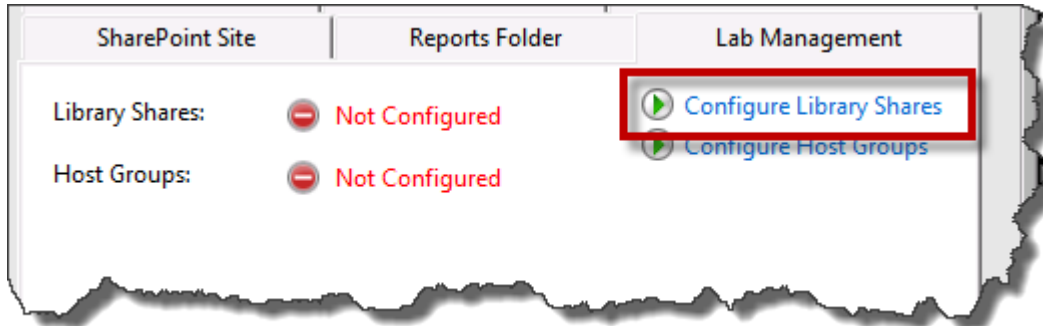
- In the left side panel, click **Team Project Collections**

This will take you to the **Team Project Collections** page.



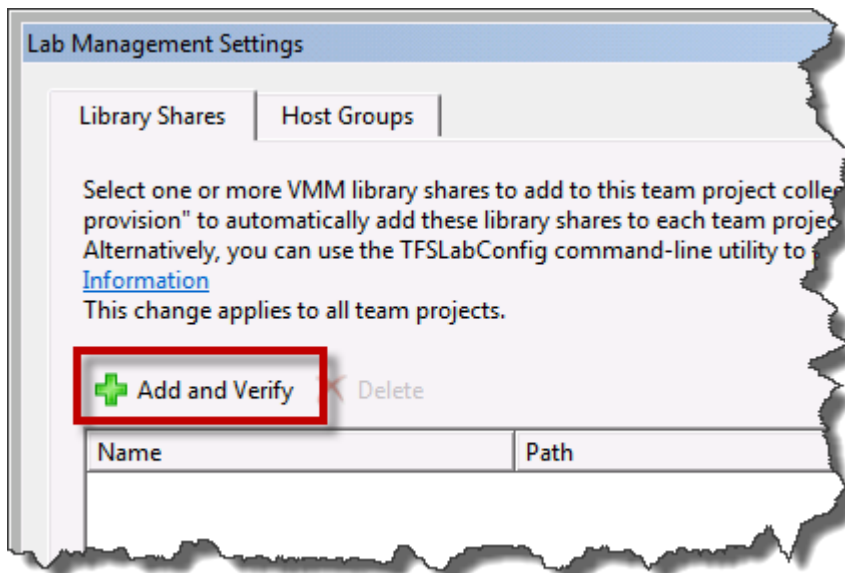
- Click the **Name** of the Team Project Collection that you want to configure
- Click the **Lab Management** tab

You should see that the **Library Shares** and **Host Groups** are listed as **Not Configured**.

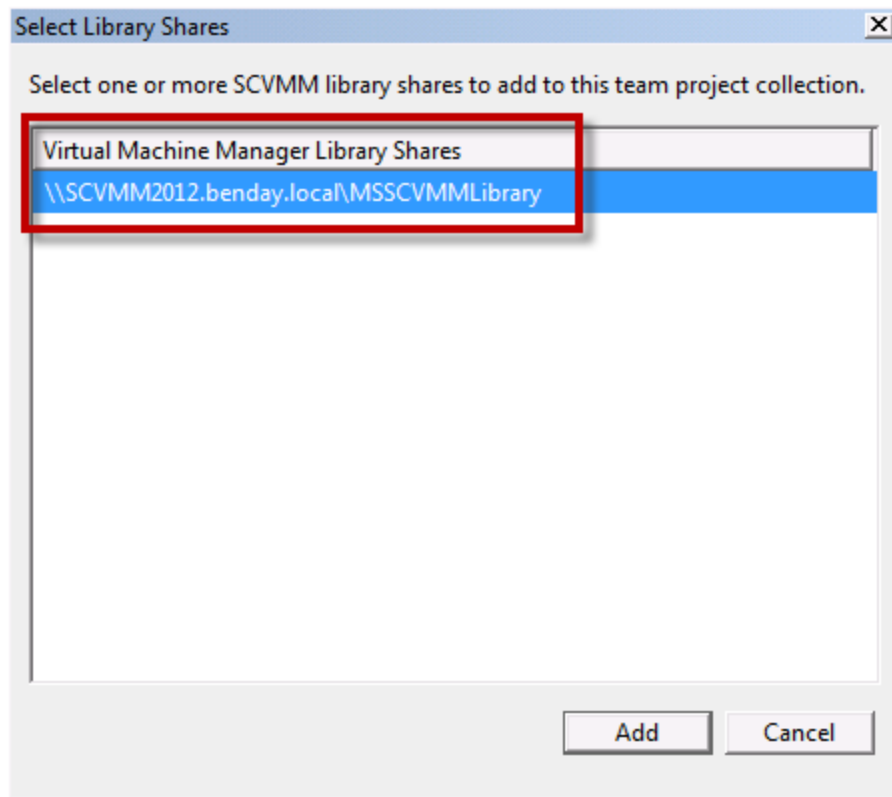


- Click the **Configure Library Shares** link

You should now see a dialog named **Lab Management Settings**.

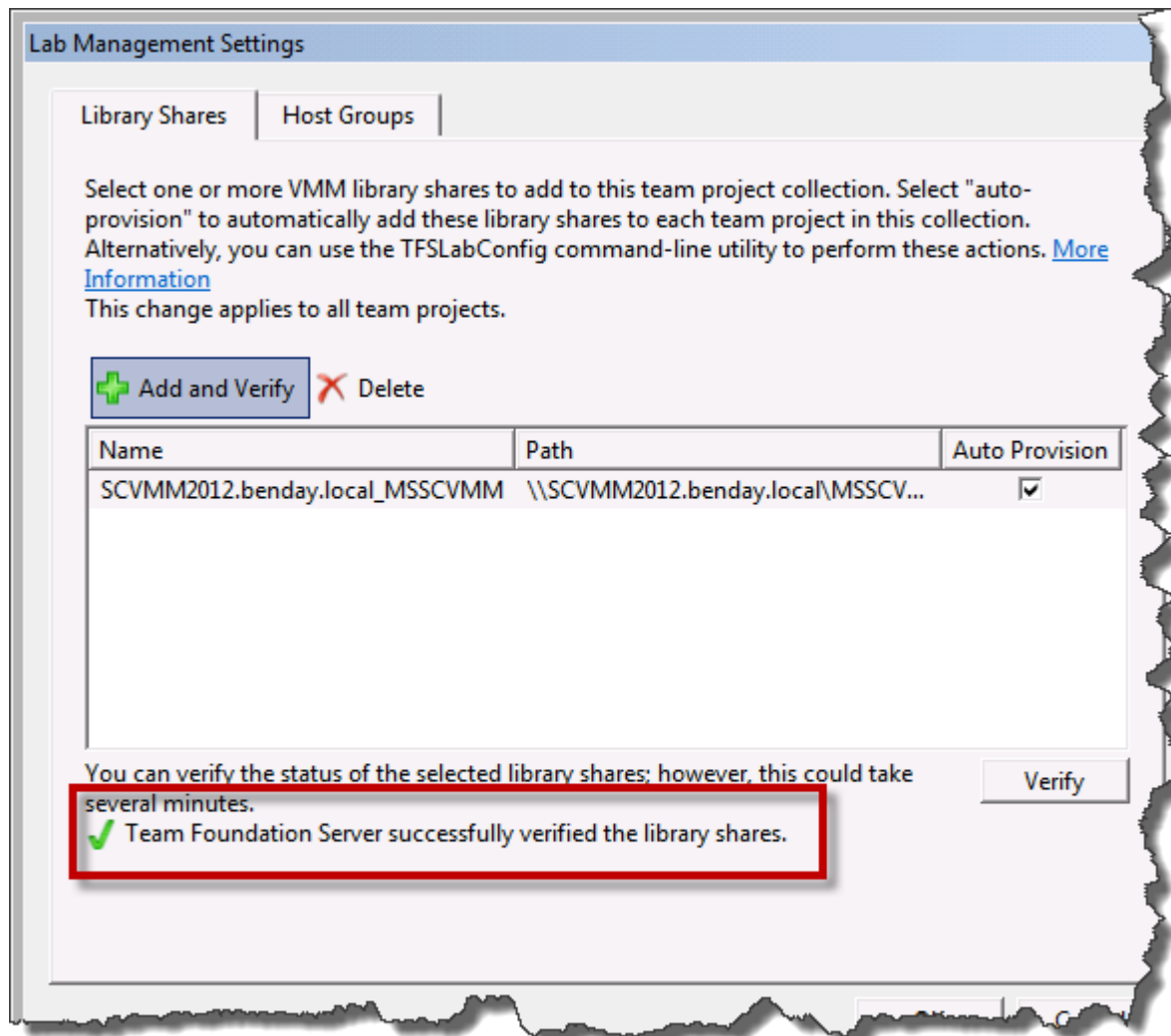


- Click the **Library Shares** tab
- Click the **Add and Verify** button



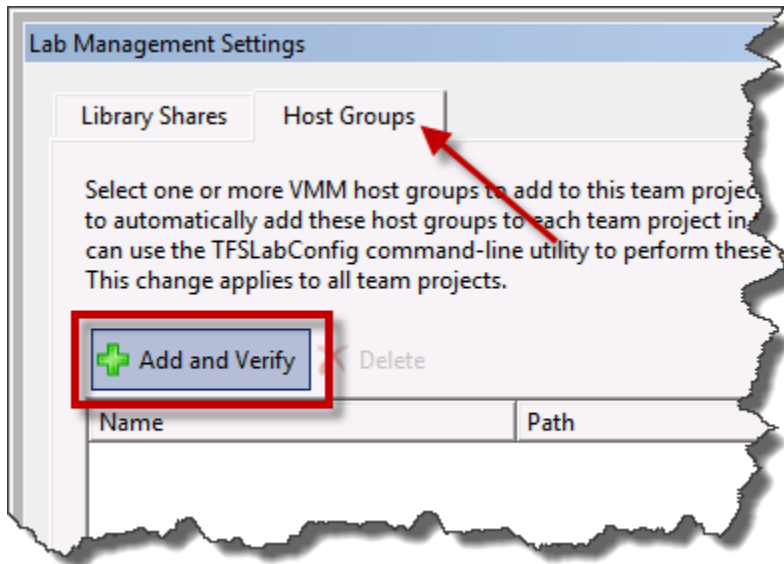
- Select one or more library shares from the **Virtual Machine Manager Library Shares** list.
- Click **Add**

You should now be back on the **Library Shares** tab.



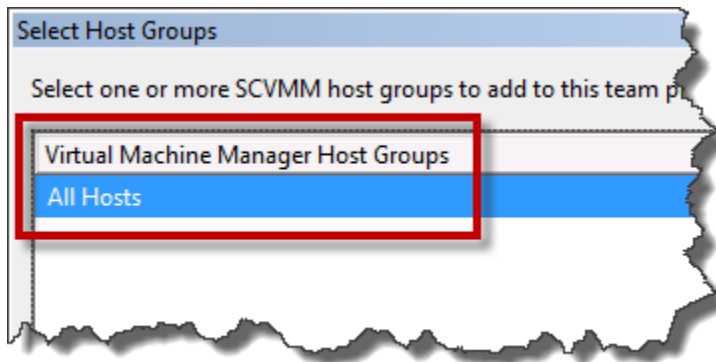
- Verify that you see the message **Team Foundation Server successfully verified the library shares.**

Now that you've configured the Library Shares, you can configure the **Host Groups**.



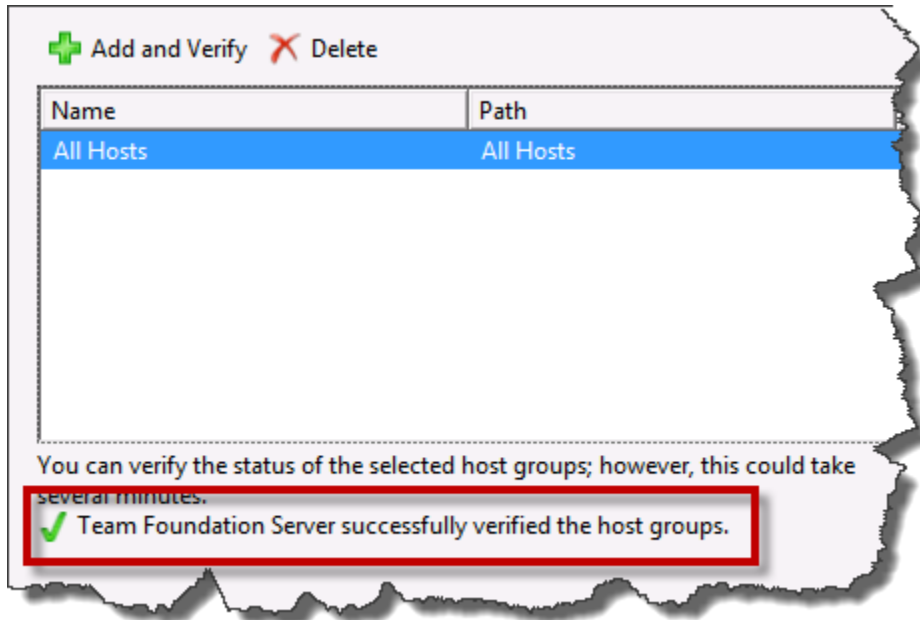
- Click on the **Host Groups** tab
- Click **Add and Verify**

You should now see the **Select Host Groups** dialog.



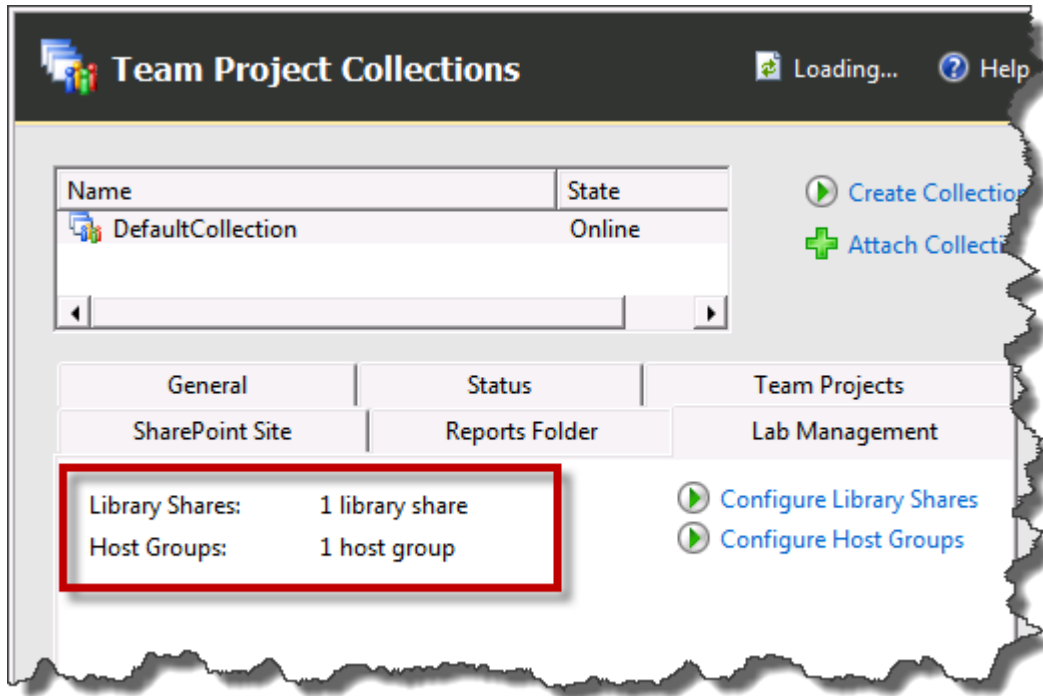
- Choose the appropriate **Host Group** from the list. (Example: All Hosts)
- Click **Add**

You should now be back on the **Lab Management Settings** dialog and you should see the host groups you just added in the list.



- Verify that the **Team Foundation Server successfully verified the host groups** dialog is displayed
- Click **OK**

You should now see the **Library Shares** and **Host Groups** section of the administrator showing that there are now configured values.



You've completed configuring Lab Management and SCVMM for your server.