Administering Team Foundation Server 2010

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Administering Team Foundation Server 2010

Course Number:	**TFS**
Version:	**1.1**
For software version:	**2010**

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Administering Team Foundation Server 2010

Module 2
Planning and Deploying Team Foundation Server 2010

Topics

- Planning the Deployment
- System Requirements
  - Prerequisite Software
  - Service Accounts
- Installing Team Foundation Server
- Installing Team Explorer
- Installing Team Foundation Server Power Tools
- Configuring Team Foundation Server
  - Troubleshooting
- Lab

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What you'll need to be successful

- ✓ Current Installation Guide
- ✓ Adequate hardware (virtual or physical)
- ✓ Prerequisite software (Windows, IIS, SQL, SharePoint)
- ✓ TFS software (not trial edition)
- ✓ A friendly domain administrator who is available, helpful, and patient – hopefully this is you!

Deployment Checklist

1. Download the most current installation guide
2. Verify that the hardware meets requirements
3. Install/verify the prerequisite software
   - Operating system, IIS, SQL Server, SharePoint
4. Create service accounts
5. Install Team Foundation Server
6. Configure Team Foundation Server

- Looks easy, right? Plan for at least 1-2 days

Minimum Hardware Recommendations

Number of users	Configuration	CPU	Memory	Hard disk
Fewer than 250 users	Single-server (Team Foundation Server and the Database Engine on the same server).	1 single core processor at 2.13 GHz	2 GB	1 disk at 7.2k rpm (125 GB)
250 to 500 users	Single-server.	1 dual core processor at 2.13 GHz	4 GB	1 disk at 10k rpm (300 GB)
500 to 2,200 users	Dual-server (Team Foundation Server and the Database Engine on different servers). This row is for Team Foundation Server.	1 dual core Intel Xeon processor at 2.13 GHz	4 GB	1 disk at 7.2k rpm (500 GB)
	This row is for the Database Engine with 500 to 2,200 users.	1 quad core Intel Xeon processor at 2.33 GHz	8 GB	SAS disk array at 10k rpm (2 TB)
2,200 to 3,600 users	Dual-server. This row is for Team Foundation Server.	1 quad core Intel Xeon processor at 2.13 GHz	8 GB	1 disk at 7.2k rpm (500 GB)
	This row is for the Database Engine with 2,200 to 3,600 users.	2 quad core Intel Xeon processors at 2.33 GHz	16 GB	SAS disk array at 10k rpm (3 TB)

- Note: Team Foundation Server can be installed and is supported in virtualized environments (i.e. Hyper-V)

Supported *Server* Operating Systems

- Windows Server 2008
  - Datacenter, Enterprise, or Standard editions
  - SP2 or R2
- Windows Server 2003
  - Datacenter, Enterprise, or Standard editions
  - SP2, R2, or R2+SP2
- Note: TFS does not support Windows Server 2008 Server Core installation option

Supported *Client* Operating Systems

- Windows 7
  - Home Premium, Professional, Enterprise, or Ultimate
- Windows Vista (with SP2)
  - Home Premium, Business, Enterprise, or Ultimate
- Note: client operating system installations don't support SharePoint or reporting features

64-Bit Support

- Windows Server 2008
  - All components can be installed on 32-bit or 64-bit editions
  - Note: Itanium-based editions are not supported
- Windows Server 2003
  - Team Foundation Build can be installed on 32-bit or 64-bit editions
  - The data-tier can be installed on 32-bit or 64-bit editions
  - The app-tier can only be installed on a 32-bit edition
  - TFS Proxy can only be installed on a 32-bit edition
- Note: optional software may have their own requirements, such as SharePoint 2010

Prerequisite Software

- Internet Information Services
- SQL Server
- SharePoint (optional)

Prerequisite: Internet Information Services

- Windows Server 2008
  - ASP.NET module must be added (including .NET Extensibility, ISAPI Extensions, and ISAPI Filters)
  - IIS 6.0 Management Compatibility module must be added (including IIS 6 Management Console, IIS 6 Scripting Tools, IIS 6 WMI Compatibility, and IIS Metabase and IIS 6 Configuration compatibility)
  - Windows Authentication enabled (or basic authentication, if Windows authentication is not supported)
- Windows Server 2003
  - ASP.NET must be enabled
  - FrontPage 2002 Server Extensions must **not** be installed
  - IIS 5.0 isolation option must not be enabled

Prerequisite: SQL Server

- SQL Server 2008 or 2008 R2
- Standard or Enterprise edition
  - Team Foundation Server Basic uses SQL Server Express
- Must install database engine and full text search
- If you want TFS to support reporting
  - You must also install SQL Server Analysis Services and SQL Server Reporting Services
- Tip: for high availability, consider hosting the TFS data-tier on a clustered SQL Server installation

Prerequisite: SharePoint

- MOSS 2007/2010, WSS 3.0, MSF 4.0
  - WSS 3.0 can be installed and configured automatically
- If you have an existing SharePoint installation
  - Verify that the administration site and default Web site are running and other computers can access them
  - You must provision a Web application for TFS
  - Install and configure the Team Foundation Server Extensions for Windows SharePoint Services
- Tip: the easiest approach is to let Team Foundation Server install and configure WSS 3.0 on the app-tier automatically

Service Accounts

- Service accounts are required for these components:
  - Team Foundation Server
  - Team Foundation Build
  - Team Foundation Server Proxy
  - Reporting
  - Note: you'll have other accounts, too (i.e. SQL, SharePoint)
- Best practices
  - Use separate accounts for each component
  - Do not give any additional privileges to these accounts
  - Only use local accounts for workgroup installations

Team Foundation Server Service Account

- Must have Log on as a service user right
- Don't use the same account as the user installing TFS
- If you are using reports, you must add this account to the Content Manager role on the SSRS computer
- Ensure that this account is a member of the Farm Administrators group in SharePoint

- Example name: TFSSERVICE

Team Foundation Build Service Account

- Must have Log on as a service user right
- Example name: TFSBUILD

Team Foundation Server Proxy Service Account

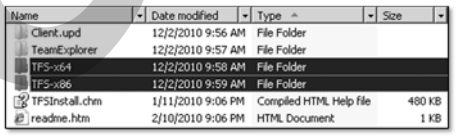
- Must have Log on as a service user right
- Example name: TFSPROXY

Report Reader Account

- If you are using reporting, this account is the identity that is used to retrieve the data for the reports
- Must have Allow log on locally user right
- Example name: TFSREPORTS

Installing Team Foundation Server

- Obtain the software from Microsoft
  - A trial edition is available here: http://bit.ly/ce9zTb
- Log onto Windows using a credential that has adequate permissions
  - A multi-server install should be done by a domain admin
- Run setup.exe from the 32-bit or 64-bit folder



- Tip: clear the event logs before installing to more easily find any issues that might occur

Installing Team Foundation Server

- Installing TFS is very straightforward
  - All of the decisions (and chances for failure) have been deferred to the *configuration* step
- The only decision is what components to install:

- Tips:
  - Read and save the installation log when finished
  - Reboot after installation and browse through the Windows event logs for any issues

Installing Team Explorer

- Team Explorer allows an administrator to further configure Team Project Collections and Team Projects
- Installing Team Explorer will install Visual Studio
  - It is a very minimalistic installation
  - If Visual Studio is already installed, it will just additional windows and tools to the existing install
- Tips:
  - Install Team Explorer on the App Tier to enable admins to RDP to the server and manage Team Projects directly
  - Reboot after installation and browse through the Windows event logs for any issues

Installing Team Foundation Power Tools

- Requirements
  - Team Explorer 2010
  - The Best Practices Analyzer and Power Shell Extensions require Windows PowerShell
- The Team Members Tool supports
  - Live Messenger 8.0 and later
  - Office Communicator 2005 and later
- Download the software
  - http://bit.ly/dfNVQk

Installing Team Foundation Power Tools

- Run the .msi
  - On the Team Foundation Server Application Tier
  - On all team member desktops (and track who they are)
- Not all features are installed by default
- Use an unattended installation to push to the team
- Tips:
  - Install the power tools on *all* desktops that have Team Explorer 2010 installed
  - If you update the server's power tools in the future, make sure to update all clients at the same time

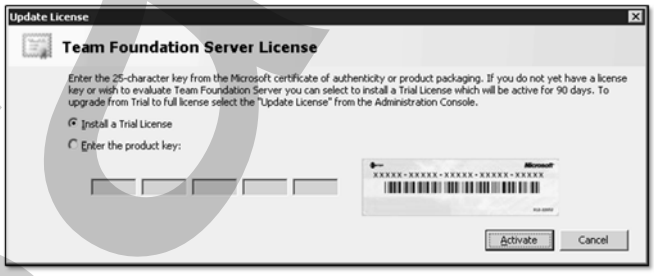
Configuring Team Foundation Server

- TFS is useless until it is configured
  - All the installation did was copy the binaries on the server and install some applications
  - The databases need to be created and configured
  - The SharePoint component may need to be created
  - All components need to be configured
- You can configure right after installation completes

- You can defer configuration and then later perform it using the Team Foundation Server Administration Console

Trial Edition and Licensing

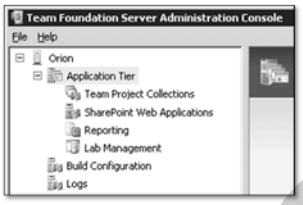
- The first time you run the Team Foundation Server Administration Console using Trial Edition it will prompt you for license information



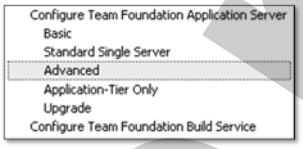
- Note: if you choose a Trial License, you can return to the console and specify a proper product key later – just remember you have 90 days!

Running a Configuration Wizard

- Select Application Tier to configure the installed features



- Next, choose the type of Wizard you want to run
  - The list will be driven by what features you installed



- Note: we focus on the Advanced wizard in this course

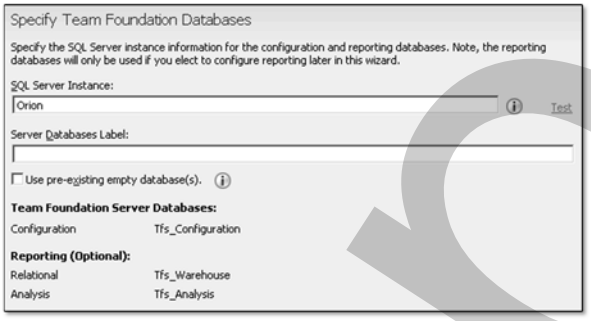
Step 1: Welcome

- Before you continue with the configuration wizard, you should click the hyperlink and review the list of important changes

- Note: this link may take you to an MSDN blog post!

Step 2 : Database

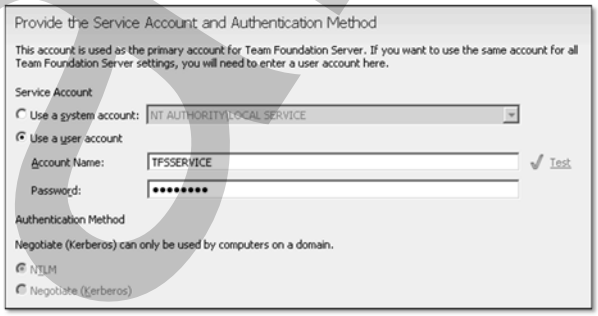
- Specify the SQL Server Instance and databases
  - TFS can use pre-existing empty databases or create empty databases during configuration



- Tip: use the *Test* link to verify the SQL Server

Step 3 : Service Account

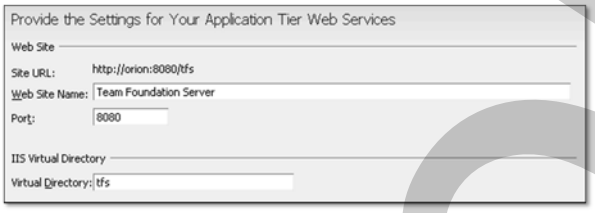
- Specify the Service account that TFS will use and the authentication method



- Tips:
  - Use a local or domain account instead
  - Use the *Test* link to verify the account and password

Step 4 : Application Tier Web Services

- Specify Web site name, port, and IIS virtual directory
  - The default port is 8080



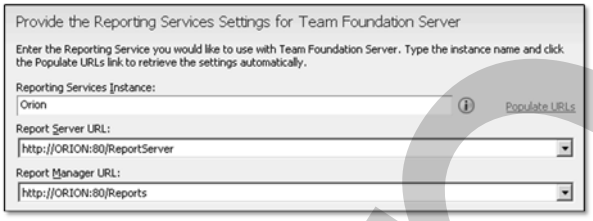
- Tip: ensure that port 8080 is open on your network

Step 5 : Reporting

- Check this box if you plan on enabling reports
  - Requires that you have installed, but not necessarily configured, SQL Server Reporting Services

Step 5a : Reporting Services Settings

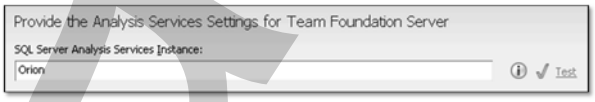
- If you have enabled reports, you will need to specify the Reporting Services instance and the URLs to the Report Server (service) and Report Manager



- Tip: use the *Populate URLs* link to verify the instance and specify the http addresses automatically

Step 5b : Analysis Services Settings

- If you have enabled reports, you will also need to specify the SQL Server Analysis Services instance



- Tip: use the *Test* link to verify the instance name

Step 5c : Report Reader Account

- By default, the report data is read using the TFS service account
  - You can specify a different account to read the data

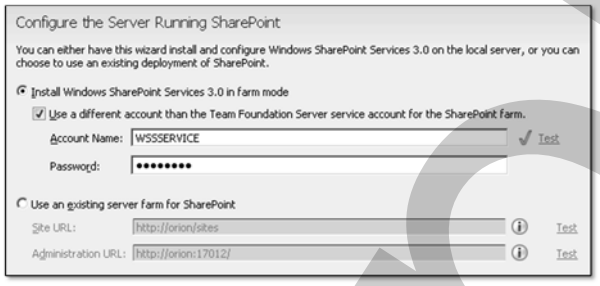
- Note: if you use a different account, it needs the *Allow log on locally* user right
- Tip: use the *Test* link to verify the account and password

Step 6 : SharePoint

- Check this box if you plan on enabling SharePoint to create and manage the project portals for easy access to work item queries, reports, documents, etc.

Step 6a : Install or Use Existing SharePoint

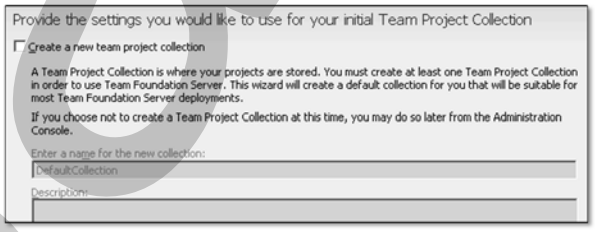
- The wizard can install Windows SharePoint Services (WSS) 3.0 or it can use an existing install



- Tips:
  - Have the wizard install WSS 3.0, unless your organization prefers their enterprise SharePoint install to be used
  - Use the *Test* links to verify accounts and URLs

Step 7 : Team Project Collection (TPC)

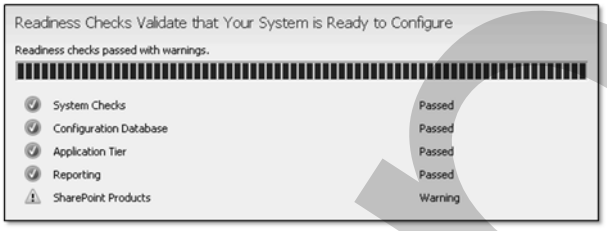
- Team Project Collections are the containers for the Team Projects that are used to manage the lifecycle
  - There are isolation and infrastructure impacts to consider when creating TPCs



- Tip: Defer the creation of any TPC until the tradeoffs are understood, discussed, and agreed upon

Step 8 : Review and Readiness Checks

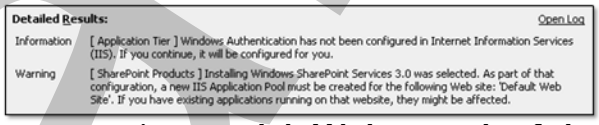
- Review all of the settings before continuing
- Readiness checks do a "best effort" to ensure that configuration will proceed without error
  - They can result in *Passed*, *Warning*, or *Error*



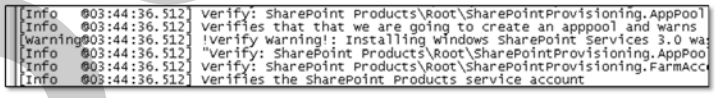
- Note: you should consider addressing warnings before continuing, but you must address errors

Troubleshooting Readiness Checks

- The *Detailed Results* section provides narrative for the Information, Warning, and Error events



- If the message (or a quick Web search of the message) doesn't help, use the *Open Log* link
  - Scroll down and look for "Warning" or "Error" in the margin and then you'll have some context of what was occurring



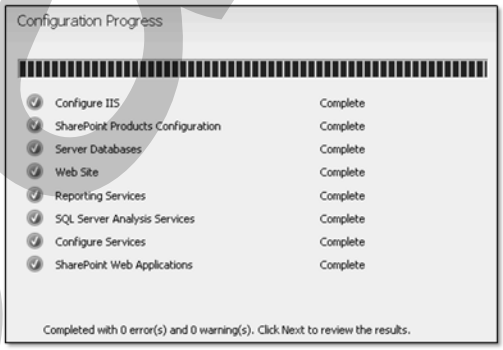
Troubleshooting Readiness Checks

- After you've tried fixing the problem, you can click the rerun Readiness Checks link 

- Don't proceed if there are any errors
- Caution: just because the Readiness Checks passed doesn't mean configuration will be successful
  - There are numerous systems and components that must authenticate and communicate with each other during configuration

Step 9 : Configure

- Review all of the settings before continuing
- It can take several minutes to configure Team Foundation Server
  - You can monitor the progress



Step 9 : Configure

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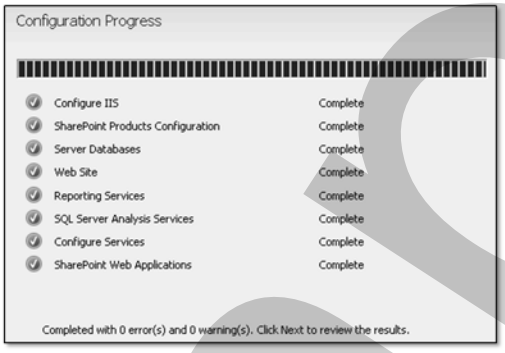


Step 9a : Configuration Results

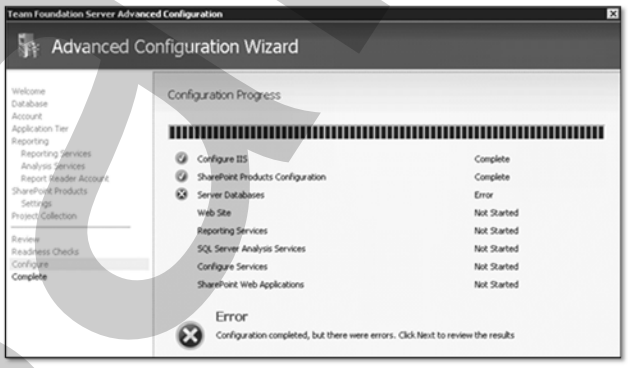
- After a successful configuration, many details are reported on the results page
  - TFS URL
  - Web Access URL
  - Information events
  - Firewall exceptions
  - Other information
- Review the log file for complete information
  - Log files are found here:
    \ProgramData\Microsoft\Team Foundation\Server Configuration\Logs

Troubleshooting Configuration

- There are a number of problems that can occur during configuration
  - Most of them are security/permission related
  - Readiness checks can't catch everything
- Don't proceed if there are any errors

Troubleshooting Approach

Step 1: Understand which step in the process failed



Example: the above problem occurred configuring the SQL Server databases

Troubleshooting Approach

Step 2: Click Next to see more detailed information

Example: the above error resulted when trying to create the TfsWarehouse database – the connection either timed out or was lost

Troubleshooting Approach

Step 3: Review the configuration log and Windows event logs as needed

- Configuration log files can be found here: \ProgramData\Microsoft\Team Foundation\Server Configuration\Logs

Step 4: Search the web for the error (i.e. TF255356) or other keywords you see on screen or in the logs

- Google, Bing, Yahoo, etc.
- Forums: http://bit.ly/fE16u3
- Blogs: http://community.accentient.com

Troubleshooting Approach

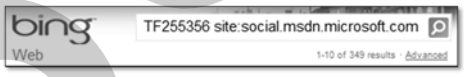
Step 5: Rerun the configuration wizard

- You will have to re-enter all of the configuration settings
- The wizard is smart enough to skip over the steps that previously completed successfully

Example: the *Configure IIS* step was skipped the second time because it completed successfully the first time

Searching the Visual Studio Forums

- The main forum page is here:
  - http://bit.ly/fE16u3
- It contains several sub-forums that you can browse or search for a specific subject matter
- Tip:
  - Use Google or Bing to search these forums (using "site:") instead:



Summary

- TFS has many requirements and prerequisites
  - Download and follow the latest Installation Guide
- Give every component its own service account
  - None should be a member of the Administrators group
- Installing Team Foundation Server 2010 is trivial
  - Just locate the media and choose the features to install
- Configuration can be time consuming and is when you will experience warnings and errors
  - Take advantage of the many *Test* hyperlinks and the Readiness Checks to increase your chance of success

Lab

In this lab you will deploy Team Foundation Server

- Validate the environment
- Create service accounts
- Install Team Foundation Server
- Configure Team Foundation Server
- Install Team Explorer
- Install Team Foundation Server Power Tools

Lab 2: Deploying Team Foundation Server

Administering Team Foundation Server 2010

Estimated time to complete this lab: 75 minutes

The purpose of this lab is to further prepare the environment to install and configure Team Foundation Server 2010. Before beginning this lab, make sure you know the name of the computer (server). You can ask the instructor or determine it yourself.

What is the name of your computer? _____

Note: there are two exercises in this lab which have tasks that are lengthy: installing Team Foundation Server (exercise 3) and configuring Team Foundation Server (exercise 4). These tasks can take 5-10 minutes each, so you may wish to take a break during those times, or do other activities.

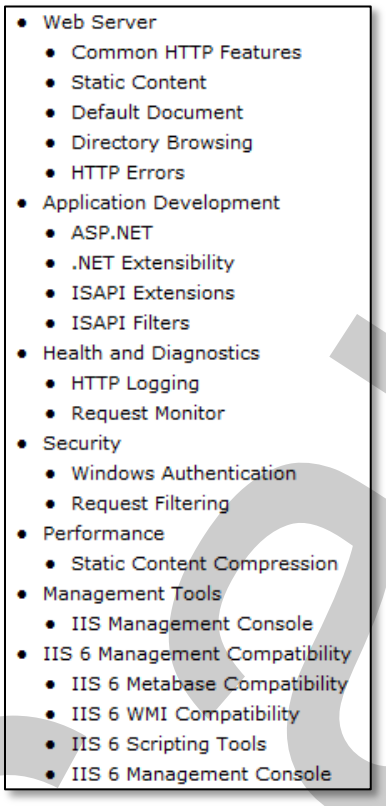
EXERCISE 1 – VALIDATE ENVIRONMENT

TASK – VALIDATE IIS INSTALLATION

In this task you are going to login as Administrator and validate that IIS is installed and configured correctly.

1. Log on to Windows using **Administrator** and **password**.
2. From the **Start** menu select **All Programs** > **Administrative Tools** > **Server Manager**.
3. In the tree pane, expand **Roles**, and click **Web Server (IIS)**.
4. Scroll down and review the **Role Services**.

   Ensure that you see the following services with a status of *Installed*:



   All of these Role Services should be installed. Your installation may contain additional role services and features.

5. Close **Server Manager**.

TASK – VALIDATE SQL SERVER INSTALLATION

In this task you are going to validate that SQL Server is installed and configured correctly.

1. From the **Start** menu select **All Programs** > **Microsoft SQL Server 2008** > **Configuration Tools** > **SQL Server Configuration Manager**.

2. Highlight the **SQL Server Services** node in the tree and review the services.

   Is the SQL Server (MSSQLSERVER) service running? _____

   Is the SQL Server Analysis Services (MSSQLSERVER) service running? _____

   Is the SQL Server Reporting Services (MSSQLSERVER) service running? _____

   This installation of SQL Server 2008 can support the reporting features of Team Foundation Server.

3. Close **SQL Server Configuration Manager**.

4. From the **Start** menu select **All Programs** > **Microsoft SQL Server 2008** > **SQL Server Management Studio**.

5. In the **Server type** list, ensure that **Database Engine** is selected.

6. Enter your computer name as the name of the server.

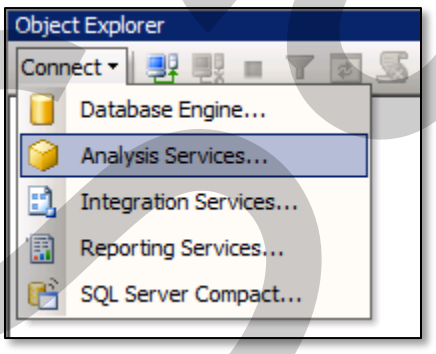
7. Click **Connect**.

   By default, the connection will be made using Windows integrated security.

   In Object Explorer, do you see a green arrow next to the server name? _____

8. Right-click on the server name node and select **Disconnect**.

9. In **Object Explorer**, click the **Connect** button and select **Analysis Services**.



10. Enter your computer name as the name of the server.

11. Click **Connect**.

    In Object Explorer, do you see a green arrow next to the server name? _____

12. Exit **SQL Server Management Studio**.

13. From the **Start** menu select **All Programs** > **Microsoft SQL Server 2008** > **Configuration Tools** > **Reporting Services Configuration Manager**.

14. Verify the **Server Name** and click **Connect**.

15. In the left-hand side, select **Web Service URL**.

    What is the Report Server Web Service URL? _____

16. Click the hyperlink.

    This will bring up a nearly empty web page.

    What is the SQL Server Reporting Services Version? _____

17. Close **Internet Explorer**.

18. In **Reporting Services Configuration Manager** select **Report Manager URL** in the left-hand side.

    What is the Report Manager URL? _____

19. Click the hyperlink.

    After a few moments, this will launch the web-based Report Manager site. There shouldn't be any items here.

20. Close **Internet Explorer**.

21. Exit **Reporting Services Configuration Manager**.

EXERCISE 2 – CREATE SERVICE ACCOUNTS

TASK – CREATE SERVICE ACCOUNTS

In this task you are going to create the service accounts and the data reader account to be used by Team Foundation Server.

1. Use **Windows Explorer** to navigate to **C:\Course\Labs\Lab02**.

2. Right-click **Create Service Accounts.vbs** and select **Edit**.

   This script will create four Windows accounts:

   - TFSSERVICE - the Team Foundation Server service account
   - TFSBUILD - the Team Foundation Build service account
   - WSSSERVICE - the SharePoint service account
   - TFSREPORTS - the Team Foundation Server reports reader account

3. Close **Notepad**.

4. Double-click **Create Service Accounts.vbs** to execute it.

   It will take a few moments to run.

5. When you see the message **TFS Service Accounts created!**, click **OK**.

6. Right-click on **My Computer** and select **Manage**.

7. Expand the **Configuration** > **Local Users and Groups** folders.

8. Select the **Users** folder

   You should see the newly created service accounts here. Notice that they are not members of any groups. They should never be members of the Administrators group!

9. Close **Server Manager**.

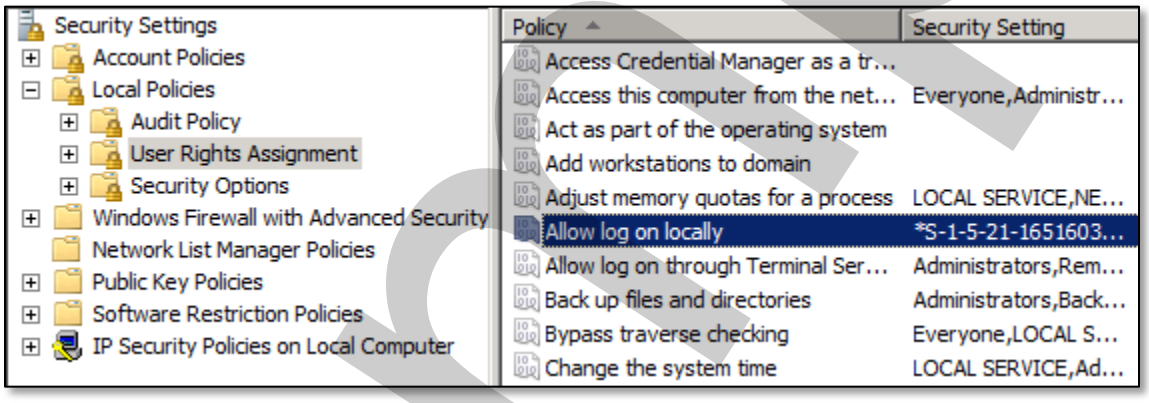
TASK – ASSIGN USER RIGHTS AND PERMISSIONS

In this task you are going to set local security policies for these accounts, giving them the special user rights and permissions they will need to execute.

Note: A script is available to do these steps in the Lab02 folder. You can review it and use it later, or run it instead of doing these manual steps.

1. From the **Start** menu select **Run**.
2. Enter **secpol.msc** and click **OK**.

   This will launch the Local Security Policy and allow you to set local and account policies.
3. In the tree expand **Local Policies**.
4. Highlight **User Rights Assignment**.
5. In the policy list, double-click **Allow log on locally**.



6. Click the **Add User or Group** button.
7. Enter **TFSREPORTS** and click **Check Names**.
8. Click **OK** twice.
9. In the policy list, double-click **Log on as a service**.
10. Click the **Add User or Group** button.
11. Enter **TFSSERVICE; TFSBUILD** and click **Check Names**.
12. Click **OK** twice.
13. Exit **Local Security Policy**.

EXERCISE 3 – INSTALL TEAM FOUNDATION SERVER

TASK – INSTALL TEAM FOUNDATION SERVER

In this task you are going to install the trial edition of Team Foundation Server 2010.

1. Use **Windows Explorer** to navigate to **C:\Software\VS2010TFSTrial**.

   If you don't have this folder, or it is empty, please check with the instructor. He or she may have an alternate location for the files.

   Do you see a TFSInstall.chm file in this folder? _____

   This installation guide may be older than the one in your C:\Course\Guidance folder. You should always go online to obtain the most recent version.

2. Double-click the **readme.htm** file.

   This document simply serves as a redirect to Microsoft's website.

3. Click the **Microsoft Web site** hyperlink.

4. Click **Open** when prompted and spend a few moments reviewing the Readme.

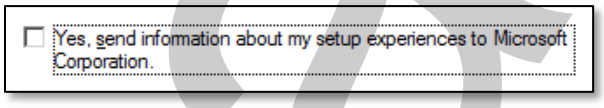
5. Close **Internet Explorer**.

6. In **Windows Explorer** navigate to **C:\Software\VS2010TFSTrial\TFS-x86**.

7. Double-click **setup.exe**.

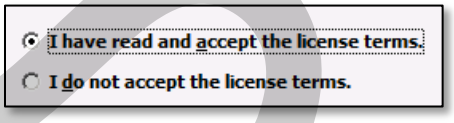
   It takes a moment for the installer to launch and copy the required resources.

8. Clear the **Yes, send information about my setup experiences to Microsoft Corporation** check box.



9. Click **Next**.

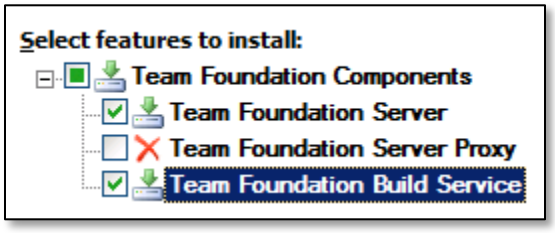
10. Read the terms and then select the **I have read and accept the license terms**.



11. Click **Next**.

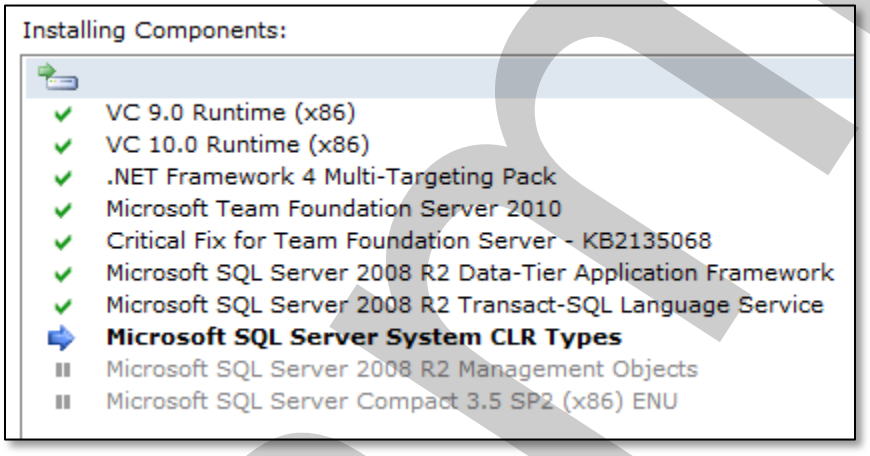
12. Select the **Team Foundation Server** and **Team Foundation Build Service** features to install.

    In other words, everything but Team Foundation Server Proxy.

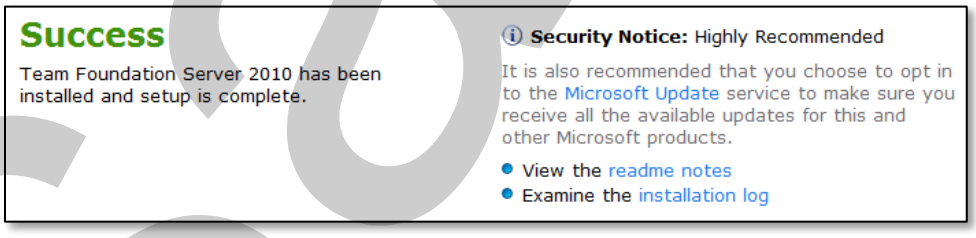


13. Click **Install**.

    Note: It can take several (8-10) minutes to install Team Foundation Server. Feel free to take a break, or monitor progress while the components are installed:



    After installation has completed, you will see the Success message:

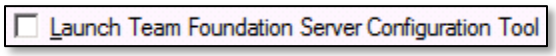


14. Click the **installation log** hyperlink.

    Spend a few moments reviewing this log. It's helpful should you need to troubleshoot your installation. It's a good practice to save it somewhere safe too.

15. Close **Internet Explorer**.

16. Clear the **Launch Team Foundation Server Configuration Tool** check box.



We will configure Team Foundation Server in the next exercise by launching it from the Team Foundation Server Administration Console.

17. Click **Finish**.

18. Restart **Windows** specifying the following comment:

Installed Team Foundation Server 2010

EXERCISE 4 – CONFIGURE TEAM FOUNDATION SERVER

TASK – CONFIGURE TEAM FOUNDATION SERVER

In this task you are going to login as Administrator and configure Team Foundation Server 2010 using the Advanced Configuration Wizard found in the Team Foundation Server Administration Console

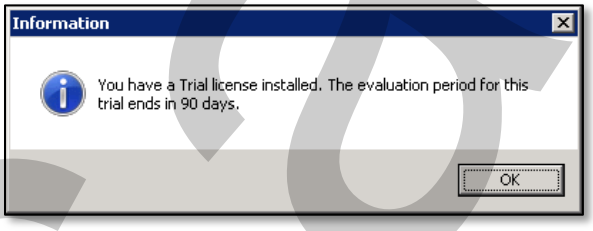
1. Log on to Windows using **Administrator** and **password**.

2. From the **Start** menu select **All Programs** > **Microsoft Team Foundation Server 2010** > **Team Foundation Administration Console**.

   Tip: create a shortcut on the start menu, quick launch, or desktop. You will be using this console frequently in this course.

3. When prompted for the Team Foundation Server License, select **Install a Trial License** and click **Activate**.

   You will have 90 days to evaluate Team Foundation Server 2010. This should be adequate to complete this class.

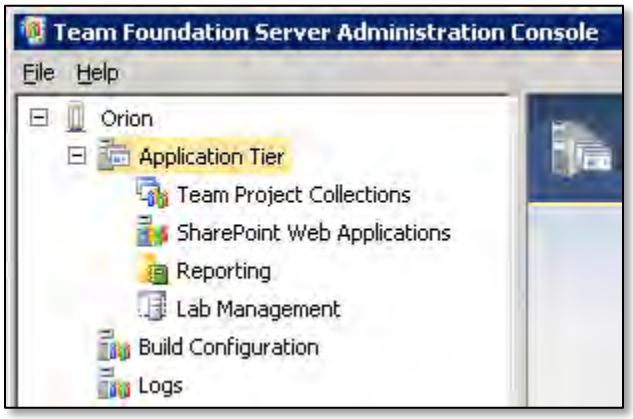


4. Click **OK**.

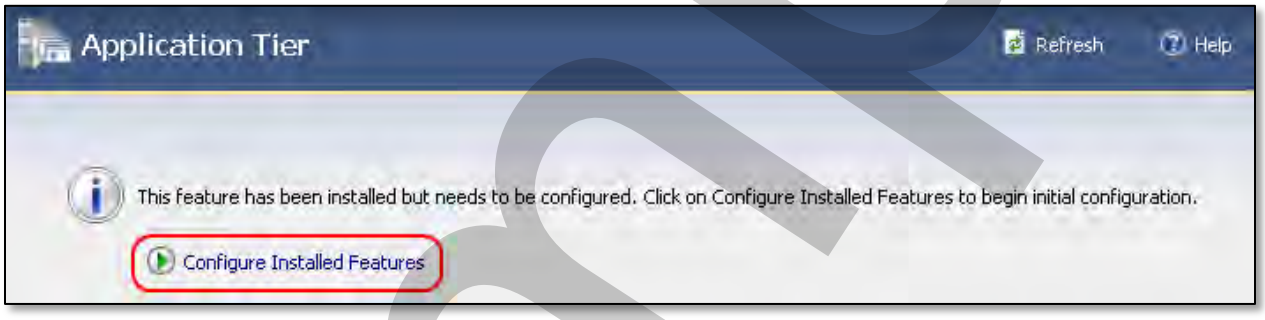
   After a few moments the Team Foundation Server Administration Console will launch and display the license information.

   When does your license expire? _____

5. Click the **Application Tier** node in the tree on the left-hand side.



6. Click the **Configure Installed Features** hyperlink in the right-hand side.

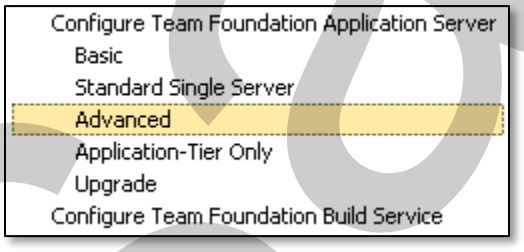


Look at the various options on the left-hand side.

What wizards are available to run? _____

_____

7. Select the **Advanced** wizard option and click **Start Wizard**.



8. Read the information on the page and then click **Next**.

In a production environment, you should click the "Click here" hyperlink to be informed of any important changes since Team Foundation Server was released.

9. Click **Next**.

10. Click the **Test** link to the right of the SQL Server instance name.

    What happened? _____

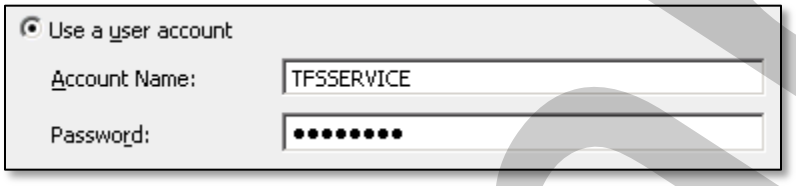
    What will be the name of the Configuration database? _____

    What will be the name of the Relational Reporting database? _____

    What will be the name of the Analysis Reporting database? _____

11. Click **Next**.

12. Select the **Use a user account** option and enter **TFSSERVICE** for the Account Name and **password** for the Password.



13. Click the **Test** link to the right of the account name.

    What happened? _____

    If you didn't get a green checkmark, double check your spelling of the account name and password.

    Note: all this test checks is that the account name and password are valid. It does not verify the permissions and user rights of the account.

14. Click **Next**.

    Review the Application Tier Web Services information.

    What port number will be used? _____

15. Click **Next**.

    We will leave the option to configure Reporting enabled.

16. Click **Next**.

17. Click the **Populate URLs** hyperlink.

    What happened? _____

    The default URLs should remain the same.

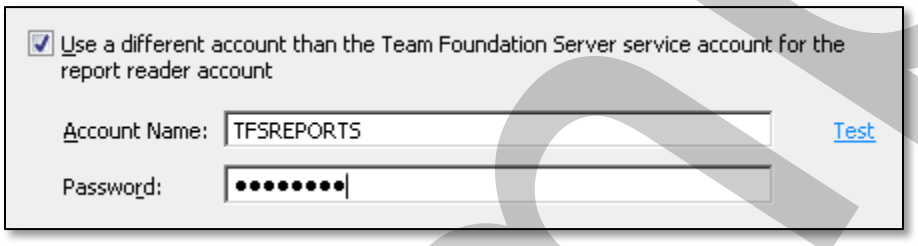
18. Click **Next**.

19. Click the **Test** link to the right of the SQL Server Analysis Services instance name.

    What happened? _____

20. Click **Next**.

21. Check the **Use a different account than the Team Foundation Server service account for the report reader account** check box and enter **TFSREPORTS** for the Account Name and **password** for the Password.



22. Click the **Test** link to the right of the account name.

    What happened? _____

    If you didn't get a green checkmark, double check your spelling of the account name and password.

    Note: all this test checks is that the account name and password are valid. It does not verify the permissions and user rights of the account.

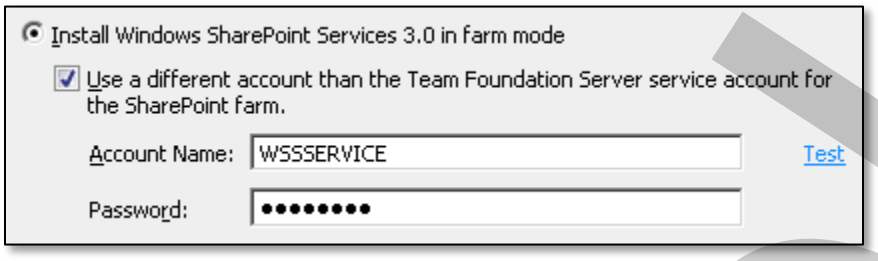
23. Click **Next**.

    We will leave the option to configure SharePoint enabled.

24. Click **Next**.

25. Select the **Install Windows SharePoint Services 3.0 in farm mode** option.

26. Check the **Use a different account than the Team Foundation Server service account for the SharePoint farm** check box and enter **WSSSERVICE** for the Account Name and **password** for the Password.



27. Click the **Test** link to the right of the account name.

    What happened? _____

    If you didn't get a green checkmark, double check your spelling of the account name and password.

    Note: all this test checks is that the account name and password are valid. It does not verify the permissions and user rights of the account.

28. Click **Next**.

29. Clear the **Create a new team project collection** check box.

    We will create a Team Project Collection in a later lab.

30. Click **Next**.

    Scroll down and review all of your configuration settings.

31. Click **Next**.

    Did all off the readiness checks pass? _____

    You may get a warning about IIS having to create a new application pool. You can ignore this warning.

32. Click the **Open Log** hyperlink.

    Scroll down the log file.

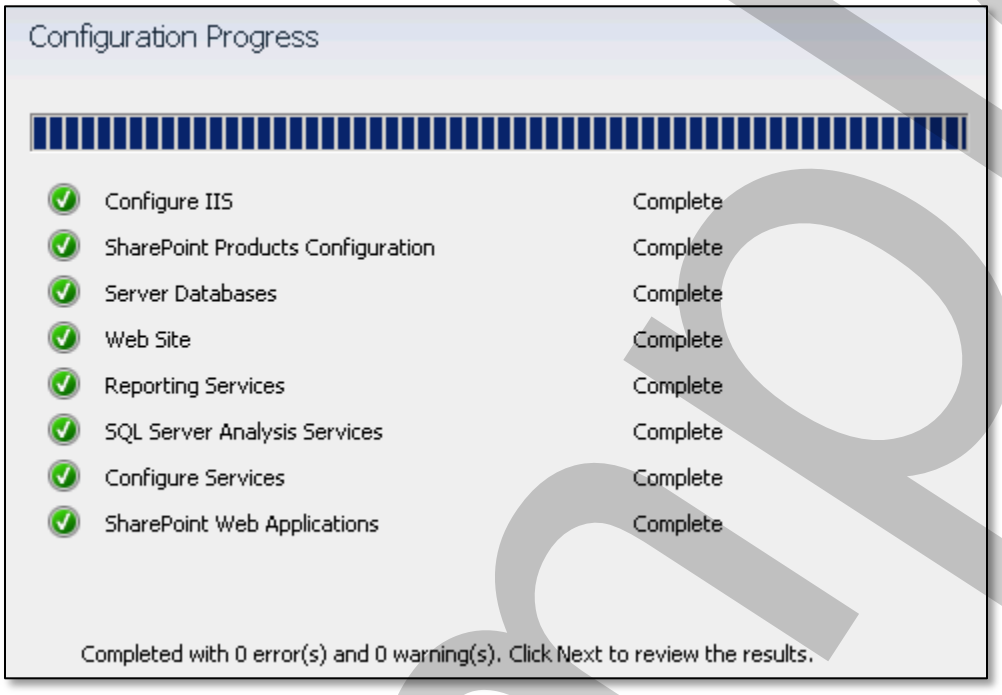
    Do you see the SharePoint/IIS warning listed? _____

    You may save this file if you wish.

33. Close **Notepad**.

34. Click **Configure**.

    Note: It can take several (5-10) minutes to configure Team Foundation Server. Feel free to take a break, or monitor progress while the components are configured. The configuration should succeed without errors.



35. Click **Next**.

    Review the configuration results.

    What is the URL of Team Foundation Server? _____

    What is the URL of Web Access? _____

    What firewall exceptions (ports) were added? _____

36. Click the **Click here to open a complete log** hyperlink.

    Review the log file. You may save this file if you wish.

37. Close **Notepad**.

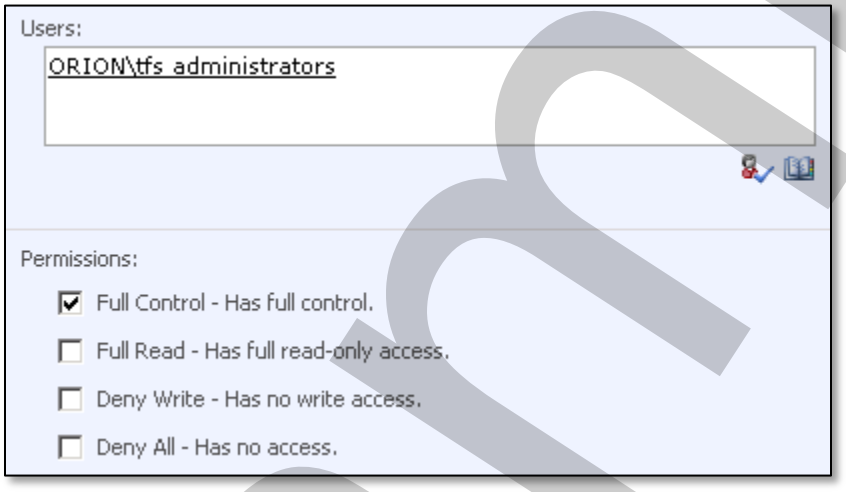
38. Click **Close** twice.

39. Exit **Team Foundation Server Administration Console**.

TASK – MAKE TFS ADMINISTRATORS SITE COLLECTION ADMINISTRATORS

Because of our workgroup configuration in this course, you will need to manually add the TFS Administrators group to the new site collection that was just created.

1. From the **Start Menu** select **Administration Tools** > **SharePoint 3.0 Central Administration**.
2. Click the **Application Management** tab at the top.
3. Click the **Policy for Web application** link on the left-hand side.
4. Click the **Add Users** link.
5. Click **Next**.
6. Enter **TFS Administrators** in the **Users** textbox and click the **Check Names** button.
7. Under **Permissions**, check the **Full Control** option.



Note: Using a Web application policy that assigns full control to a SharePoint installation may not be a security best practice. Since this one is dedicated to Team Foundation Server, having the TFS administrators have full control is not an issue.

8. Click **Finish**.

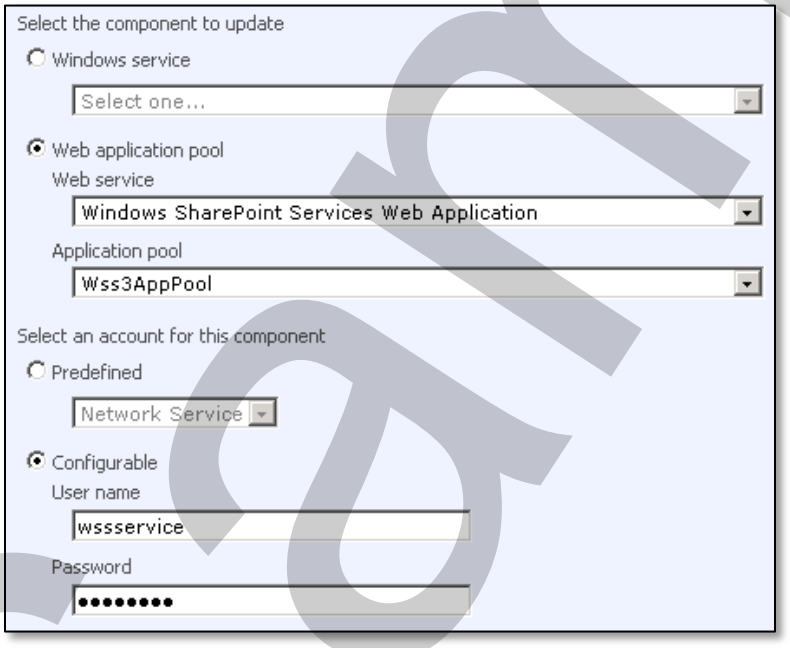
TASK – CHANGE THE SHAREPOINT APPLICATION POOL IDENTITY

In this task you will change the identity of the Wss3AppPool application pool to use the WSSSERVICE account we have previously created. The default identity is Network Service, but changing it to a proper account is a preferred practice in most organizations, and in this course.

Note: You can make these same changes using IIS Manager.

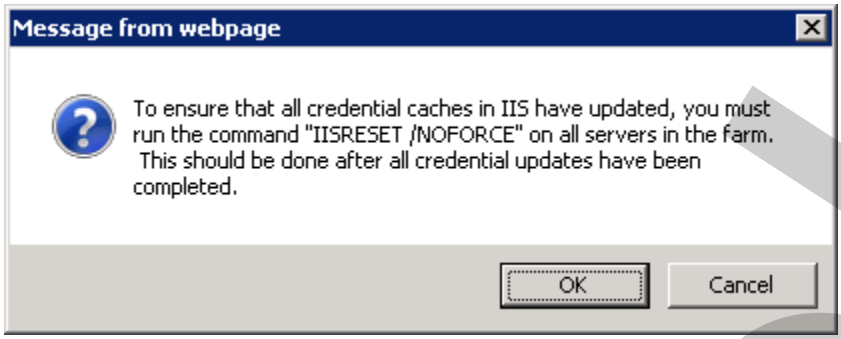
1. Click the **Operations** tab at the top.
2. Click the **Service accounts** link in the middle of the left column.
3. Select the **Web application pool** option.
4. Select the **Windows SharePoint Services Web Application** Web service.
5. Select the **Wss3AppPool** Application pool.
6. Select the **Configurable** option.
7. Enter **wssservice** for the User name and **password** for the password.

   Your settings should look like this:



8. Click **OK**.

9. Click **OK** to dismiss the message.



10. Close **Internet Explorer**.

11. Restart **Windows** specifying the following comment:

    Configured Team Foundation Server 2010

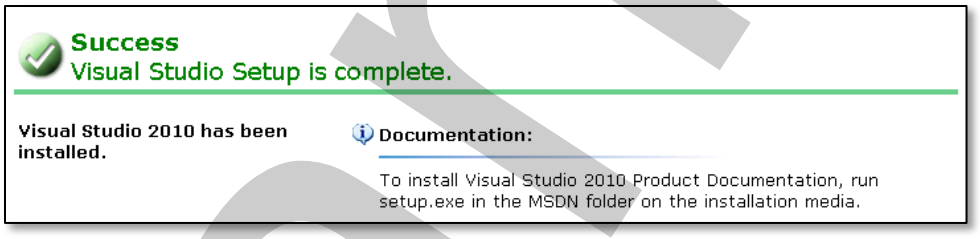
EXERCISE 5 – INSTALL VISUAL STUDIO TEAM EXPLORER

TASK – INSTALL VISUAL STUDIO TEAM EXPLORER

In this task you are going to login as Administrator and install Visual Studio Team Explorer 2010.

1. Log on to Windows using **Administrator** and **password**.
2. Use **Windows Explorer** to navigate to **C:\Software\VS2010TFSTrial\ TeamExplorer.**
3. Double-click **setup.exe**.
4. Clear the **Yes, send information about my setup experience to Microsoft Corporation** check box.
5. Click **Next**.
6. Read the terms and then select the **I have read and accept the license terms**.
7. Click **Next**.
8. Click **Install**.

   It can take several minutes to install Team Explorer. You can monitor its progress while it installs the components. After installation has completed, you will see the Success message:



   Note: We won't be installing the product documentation. If required, you will need to access the MSDN documentation online.

9. Click **Finish**.
10. Restart **Windows** specifying the following comment:

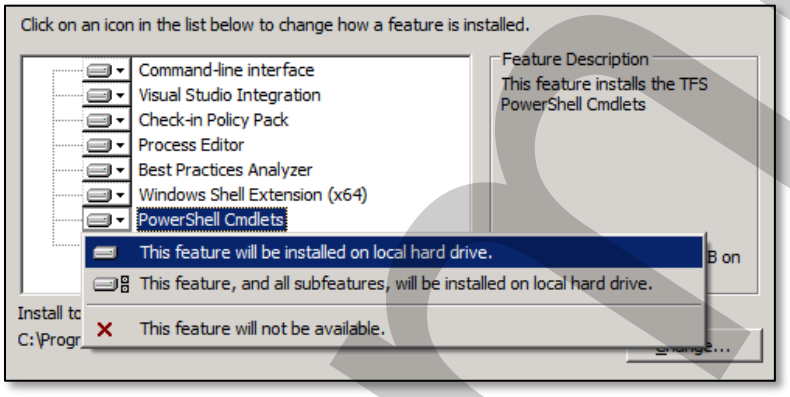
    Installed Team Foundation Server 2010 and Team Explorer 2010

EXERCISE 6 – INSTALL TEAM FOUNDATION SERVER POWER TOOLS

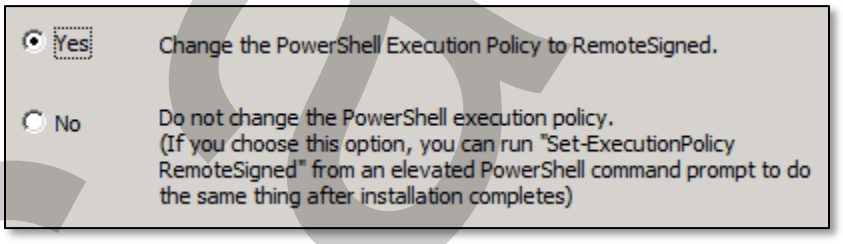
TASK – INSTALL TEAM FOUNDATION SERVER POWER TOOLS

In this task you will install Team Foundation Server Power Tools.

1. Use **Windows Explorer** to navigate to **C:\Course\Software.**
2. Double-click **tfpt.msi.**
3. Click **Next**.
4. Accept the terms in the license agreement and click **Next**.
5. Select the **Custom** setup type and click **Next**.
6. Ensure that all options (i.e. PowerShell Cmdlets) are installed on to the local hard drive.



7. Click **Next**.
8. Select **Yes** to **Change the PowerShell Execution Policy to RemoteSigned**.



9. Click **Install**.
10. Click **Finish**.
11. Restart **Windows** with the comment: **Installed TFS Power Tools**

Summary

As you can see, the installation of Team Foundation Server is trivial. All you need to do is locate the media, run the appropriate installer, and select the components you want to install. It's the configuration step that takes a substantial amount of time to specify the information and run.

Microsoft made great improvements to the deployment experience of Team Foundation Server 2010. If you ever had the opportunity to install Team Foundation Server 2005 or 2008, then you'll know this.