

Microsoft Dynamics® GP

Using Microsoft Team Foundation Server 2012 with Microsoft Dexterity

White Paper

This document provides the basic instructions for setting up Microsoft Team Foundation Server 2012 as a source code control repository for Dexterity.

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Introduction

This document describes the basic procedure for installing Microsoft Team Foundation Server 2012 and configuring workstations to use it as a source code control repository for Dexterity development. Other features of Team Foundation Server are not discussed. Refer to the Team Foundation Server documentation for more information about using the other features.

There are two parts to the installation process. First, you will install and configure the Team Foundation Server. Second, you will configure each workstation that is running Dexterity and accessing the Team Foundation Server.

Configuring the Team Foundation Server

Complete the following procedures to set up the Team Foundation Server.

Installing Team Foundation Server 2012

Install Team Foundation Server 2012 on the system that will act as the repository. To install Team Foundation Server 2012, complete the following procedure:

1. Run tfs_server.exe to install Microsoft Team Foundation Server. The main installation screen will be displayed.



- 2. Read and acknowledge the license agreement. Click Install Now to continue. The components for Team Foundation Server will be installed.
- 3. After the installation procedure is complete, the Team Foundation Server Configuration Center is displayed.



Configuring Team Foundation Server

To configure the Team Foundation Server, complete the following procedure:

1. Choose the Basic configuration. While other configurations can be used, this is the easiest to set up. Click Start Wizard.

Team Foundation Server Configuration Cen	ter _ 🗆 🗶
🐘 Configuration Cente	r
Configure Train Franchiston Application for or the Configure Strays Server Advanced Registrations Configure Team Franchiston Market Prays Configure Team Franchiston Market Prays Prays Team Franchiston Market Prays Market Prays Pr	About this Witzard Use the fact cutrat for exercised development services for Trans Foundation service. The service above your board QC persons or an exercised (\$20, Service via exercised \$20, Service via exer
Team Foundation Server 201	2 Start Waard Close

2. At the welcome screen, click Next to continue.



3. Choose to install SQL Server Express. The contents of the source code control repository will be stored here. Click Next to continue.

Team Foundation Server Basic Co	onfiguration X
🖣 Basic Configu	uration Wizard
Wickne 24. Server Instance Review Rev	Select a SQL Server Instance for your Team Foundation Databases P and SQL Server Instance for Yours 15 (Server Drose all be installed and your configuration and team project diction databases will be intered in it. (* Use an existing SQL Server Tabace Select the option final team or another to be installed. (* Use an existing SQL Server Tabace Select the option final team or another SQL Server the you would like to use for your configuration and team project databases (SQL Server to barces all not be installed).
Team Foundation Se	erver 2012 Previous Next Review Cancel

4. Review the configuration settings. Click Next to continue.

🌆 Basic Cor	nfiguration Wizard		
Nelcome	Confirm the Configuration Se	ettings Before Proceeding	
sige Server Instance	Review each of the selected configura	ion settings and click next to begin readiness checks.	
leview			
leadness Checks	Feedback		
ionngure Tomolete	Send Feedback	True	
	Application Tier		
	Service Account	NT Authority WebworkService	
	Authentication Method	NTLM	
	Configure IIS	True	
	Site URL	http://GPUASH2:8080/tfs	
	Port	8080	
	Host name	GPUASH2	
	Virtual Directory	tfs	
	Web Access URL	http://GPUASH2:8080/tfs	
	SMTP Enable Email	False	
	Configuration Database		
	Install Sql Express	True	
	Upgrade Sql Express	False	
	SQL Instance	GPUASH2\SqExpress	
	Use Existing Database	False	
	Create Configuration Database	True	

5. The Basic Configuration Wizard will run several readiness checks. If they all pass, click Configure to begin the configuration process.

Team Foundation Server Basic Co	nfiguration		×
搧 Basic Configu	Iration Wizard		
Welcone SQ, Sarow Instance Review Readered Cycels Compute Compute	Readmess Checks Validate that Your : Readmess charge saxed.	System is Ready to Configure Passed Passed Passed Passed	Genica
Team Foundation Se	erver 2012	Previous Next Configure	Cancel

6. The configuration process will complete. This may take several minutes. When the process has finished, click Next to continue.

Team Foundation Server Basic Co	nfiguration			×
🚮 Basic Configu	uration Wizard			
Welcome SQL Server Instance	Configuration Progress			
Readness Checks				
Configure	Preparing Configuration		Complete	
Complete	Configure IIS		Complete	
	Install Sql Express		Complete	
	Configuration Database		Complete	
	Creating Web Sites		Complete	
	Configuring Services		Complete	
	Project Collection		Complete	
	Success Configuration completed successfully	Click Next to view det	called information.	
Team Foundation Se	erver 2012	Previous	lext Finish	dose

7. Complete the configuration process. Click Close to exit the wizard.



Installing Microsoft Visual Studio Team Explorer

To configure the repository in Team Foundation Server, you need to use either Microsoft Visual Studio 2012 or Microsoft Visual Studio Team Explorer. Microsoft Visual Studio Team Explorer is included with Team Foundation Server. Use the following procedure to install it.

1. Run vs_teamExplorer.exe for Microsoft Visual Studio Team Explorer. The main installation screen will be displayed. Read and acknowledge the license agreement, and then click Install.

Visual Studio	
Team Explorer 2012	
Setup requires 190 MB in C\Program Files (x86)\Microsoft Visual Studio 11.0	
You must agree to the License Terms before you can install the product. Visual Studio 2012 automatically sends information to Microsoft about your installation experience and notifies you when an update is available and connects you to content online. To learn more, see the Privacy Statement.	
Isyre to the Learne terms and conditione. In the Cataconer Experience Supervised Programs to help improve the quality, instability and performance of Visual Studia.	
●INSTALL	

2. After the installation is complete, click Launch.



Creating a Team Project

A team project contains the repository where your dictionary resources will be stored. Use the following procedure to create a team project.

- 1. Start Visual Studio or Team Explorer.
- 2. From the TEAM menu, choose Connect to Team Foundation Server. Select your Team Foundation Server, and then click Connect.



3. In Team Explorer, select a collection. If you haven't created a separate collection, use the default collection.



4. From the FILE menu, choose New Team Project. Supply a name and description for the team project. Click Next to continue.

New Team F	Project on gpuash2\DefaultCollection	? ×
	Specify the Team Project Settings	
The New 1 componen team proj	Team Project Wizard uses the team project name you type here when creating various nts. After the team project is created, the name is used by team members to locate the ject.	
Make sure Server or Server Re	e that the name you pick for the team project is not already in use by Team Foundation any other software used in the deployment (for example, SharePoint Products or SQL eporting Service).	
What is t	the name of the team project?	
Samples		
What is t	the description of the team project?	
Sample a	د معالم م معالم معالم معال	
	<previous next=""> Finish Cancel</previous>	

5. Choose a process template. If you do not have a specific preference, the MSF for Agile Software Development is suitable for a Dexterity repository. Click Next to continue.

New Team Project on gpuash2\DefaultCollection	? ×
Select a Process Template	
The process template defines key aspects of how the team project is managed. The process tem may include work item types, work products, reports, queries, and process guidance for your ter project.	plate am
Which process template should be used to create the team project?	
MSF for Agile Software Development 6.1	-
I nis tempate is flexible and we work great for most teams using Agle planning methods, include those practicing Souri.	PI PI
Download additional Process Templates online Find Microsoft Visual Studio Certified Process Templates.	
< Previous Next > Finish C	ancel

6. Choose to create an empty source control folder. Click Next to continue.

New Team Project on gpussh2\DefaultCollection ? X
C Create an empty source control folder
\$/Samples
C Create a new source control branch
Branch from:
×
< Previous Next > Finish Cancel

7. Review the team project settings. Click Finish.



8. The team project will be created. Click Close.



Configuring Source Control for a Team Project

In the team site, you must configure the source control repository. To do this, complete the following procedure.

1. In Team Explorer, click Source Control Explorer in the team project that you just created. The Source Control Explorer will be displayed.



 Set the source control options for the team project. In Team Explorer, open the TEAM menu, point to Team Project Settings, and then click Source Control. In the Source Control Settings window, be sure that the **Enable multiple check-out** option is not marked.

Source Control Settings - Samples
Check-out Settings Check-in Policy Check-in Notes
Multiple check-out allows more than one person to edit a file at the same time. Conflicting changes are reconciled before check-in. This option is always enabled in local workspaces.
Enable multiple check-out
Get latest on check-out downloads the copy of an item from the Team Foundation Server to the client computer. This Team Foundation Server setting applies to all items in this team project, except of items in local workspaces.
Enable get latest on check-out
OK Cancel

3. Set the project collection settings for the team project. In Team Explorer, open the TEAM menu, point to Team Project Collection Settings, and then click Source Control. In the Source Control Settings window, click the Workspace Settings tab. Be sure that the default workspace type is set to **Server**.

server is unavailable. s to work locally. To enable features such as workspaces must be used. romous checkouts. However, it will prevent isson will no longer be enforced for checkouts.
server is unavailable. s to work locally. To enable features such as rworkspaces must be used. ronous checkouts. However, it will prevent ission will no longer be enforced for checkouts.
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4. Set the local path. At the top of the Source Control Explorer, you will see that the Local Path setting says "Not mapped". Click the link to open the Map window.

Мар		? ×		
Create a workspace mapping.				
Current status:	The server folder is not mapped.			
Server folder:	\$/Samples			
Local folder:	C:\Samples			
Recursive		Map Cancel		

- 5. Map the Source Control collection to a local folder on the system. The source files that you will be checking into and out of the repository will be placed in this folder. Specify a location, and then click Map. A message will be displayed indicating that a "get" operation should be performed. Click Yes.
- 6. Create folders for the repository. Typically, there is one folder for each dictionary that you will be storing in the repository. Right-click in the main list of the Source Control Explorer and choose New Folder.
- 7. Set the name of the folder. Typically, this will match the name of the dictionary.

8. Right-click the new folder and choose Check In Pending Changes. Supply a comment and click Check In.



Configuring Workstations

Complete the following procedures to configure each workstation that will be running Dexterity and accessing the Team Foundation Server.

Connecting to the Team Foundation Server

You must create a connection to the Team Foundation Server on every workstation that will be accessing the Team Foundation Server source code repository. To do this, complete the following procedure:

Install Microsoft Visual Studio Team Explorer or Microsoft Visual Studio on the workstation. This is required to create the connection to the source code repository. Refer to Installing Microsoft Visual Studio Team Explorer earlier in this document for a detailed installation procedure.

- 1. Start Visual Studio or Team Explorer.
- 2. From the TEAM menu, choose Connect to Team Foundation Server. If your Team Foundation Server is not listed, click Servers. Click Add, and then supply the name of the Team Foundation Server. Select your Team Foundation Server.
- 3. Select the team project collection to use, and then select the team project that contains the source code repository. Click Connect.



- 4. In Team Explorer, click Source Control Explorer in the team project that you just selected. The Source Control Explorer will be displayed.
- 5. Set the local path. At the top of the Source Control Explorer, you will see that the Local Path setting says "Not mapped". Click the link to open the Map window.

Мар		? ×
Create a worksp	ace mapping.	
Current status:	The server folder is not mapped.	
Server folder:	\$/5amples	
Local folder:	C:\Samples	
Recursive		MapCancel

6. Map the Source Control collection to a local folder on the system. The source files that you will be checking into and out of the repository will be placed in this folder. Specify a location, and then click Map. A message will be displayed indicating that a "get" operation should be performed. Click Yes.

Installing the Dexterity Source Code Control Server

You must install the Dexterity Source Code Control Server (DSCCS) on every workstation that will be accessing the Team Foundation Server source code repository. The TFS 2012 provider is available in DSCCS from Dexterity 12.0 for Microsoft Dynamics GP 2013 Service Pack 2 or later. To install the DSCCS, complete the following procedure:

- 1. From the Dexterity installation media, run the DSCCS installer.
- 2. Review and acknowledge the license agreement. Click Next to continue.
- 3. Choose the installation location for the Dexterity Source Code Control Server. Click Next to continue.
- 4. Supply the credentials under which the DSCCS will be run. When using the Team Foundation Server provider, use the credentials for the person that will be accessing the repository from the workstation on which you are installing the DSCCS. The credentials you supply are used by the Team Foundation Server to identify each individual user of the source code repository. Each workstation on which Dexterity is installed should have a unique set of credentials for the DSCCS.
- 5. Click Install to continue the installation process. After the installation is complete, the Dexterity Source Code Control Server configuration window will be displayed. The following section describes how to configure the DSCCS.

Configuring the Dexterity Source Code Control Server

You must configure the Dexterity Source Code Control Server (DSCCS) to use the Team Foundation Server provider. To configure the DSCCS, complete the following procedure:

1. If the Dexterity Source Code Control Server configuration window isn't already open, choose the Dexterity SCCS control panel for the system to display it.



- 2. Choose Microsoft Team Foundation (VS 2012) as the provider.
- 3. Set the root directory to the same location you specified as the "local path" when you created the connection to the source control repository. By supplying this location, the Dexterity client will be able to find the files that are being checked into and out of the Team Foundation Server source control repository.
- 4. Click OK to save your changes. You may need to restart the Microsoft Dexterity SCCS Service for the changes to take effect.

Configuring Dexterity

To configure Dexterity to access the Team Foundation Server repository, complete the following procedure.

1. In Dexterity, choose Options from the Edit menu. Display the Source Control tab.



- 2. Supply the repository name. When using the Team Foundation Server provider, this is the name of the workstation on which you installed Dexterity. This tells Dexterity to connect to the Dexterity Source Code Control Server service that is running on the local machine.
- 3. Supply the user name. This is the fully-qualified name (in the form DOMAIN\user) of the user that is accessing the repository.
- 4. Click the Project lookup button to display a list of projects for the repository. The list of projects should match the list of folders that you see in the Source Control view for the team project. Select a project and click OK.



You can now perform source code control operations in Dexterity, just as you would for any supported source code control provider.

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