This post was republished to Reza on blogging [MVP] at 3:13:31 AM 12/28/2007

### **Test Driving TFS 2008**

Category Team Foundation Server

- 1) Install TFS 2008
- 2) Enable remote accessibility via HTTP or HTTPS
- 3) Setup two team projects , WSSTP using Agile and MOSSTP using CMMI
- 4) Structure source control folders in team foundation Server
- 5) Add your solution to your source tree (under the right team project and folder)
- 6) Enable Web Access with Forms Based Authentication by installing Web Access Power tool
- 7) Install Visual Studio Team System 2008 Team Foundation Server Power Tools.

#### 1) Install TFS 2008

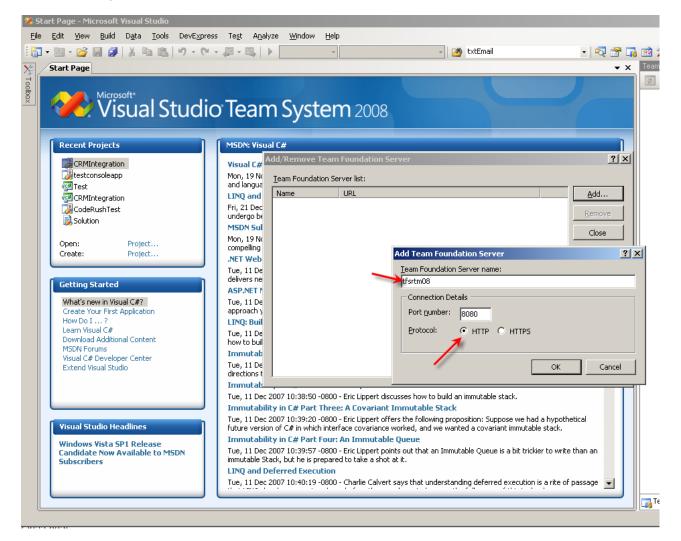
For installation please download and have a look at "How to: Install Team Foundation Server " in the TFS installation guide that can be download from <u>here</u>.

toronto1 Status					
Remote View	Virtual Machine Na	<u>me</u> <u>Status</u> 🔺	Running Time	CPU Usage	
-d	PT_VM_AD	<ul> <li>Running</li> </ul>	2 days, 10 hours, 47 minutes		
<u></u>	VSTS08RTM-R2	<ul> <li>Running</li> </ul>	9 hours, 52 minutes		
al	MOSSSandbox	<ul> <li>Saved</li> </ul>	n/a	n/a	
.g	PT_VM_CRM	<ul> <li>Saved</li> </ul>	n/a	n/a	
	PT_VM_MOSS	<ul> <li>Saved</li> </ul>	n/a	n/a	
4. 	PT_VM_WP	<ul> <li>Saved</li> </ul>	n/a	n/a	
	PT_VM_WSS	<ul> <li>Saved</li> </ul>	n/a	n/a	
	WSSSandbox	<ul> <li>Saved</li> </ul>	n/a	n/a	

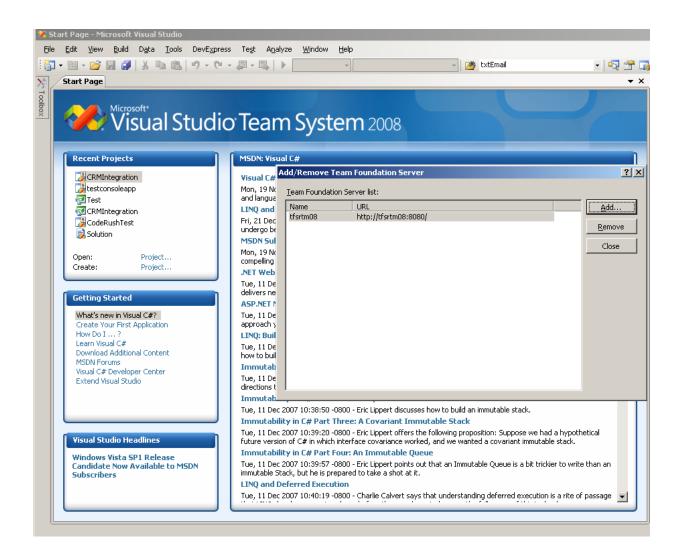
#### 2) Enable remote accessibility via HTTP or HTTPS

For enabling remote accessibility via HTTP or HTTPS please refer to this <u>article</u> which was written for TFS 2005. I am not sure if this <u>KB article</u> still applies to TFS 2008, but in previous version there was some support implications with accessing TFS remotely using non-VPN methods such as HTTPS. Secondly, for demoing purposes I m using HTTP here, but in real world you never want to expose your code without having a secure layer around it to the outside world, so HTTPS is the way to go. if you hit the Team

Foundation Server (**tfsrtm08**) from another machine , you should be able to connect to it using either HTTP or HTTPs protocols.



http://tfsrtm08 has been added to the list of existing Team Foundation Servers recognizable by our VS.NET 2008 UDE.



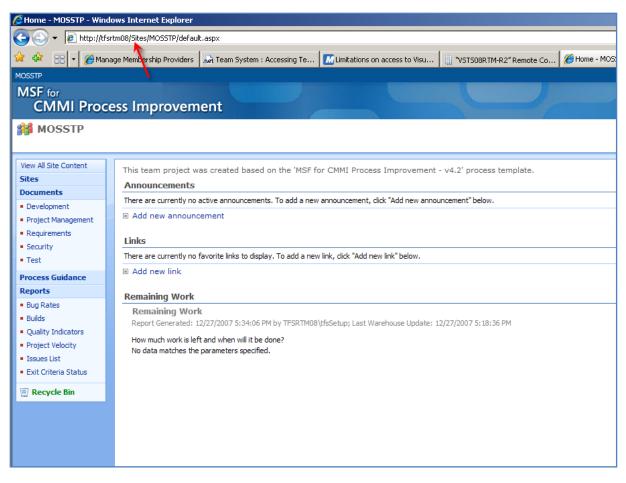
# 3) Setup two team projects( WSSTP using Agile and MOSSTP using CMMI )

Once you logged in to the TFS and in the team explorer , right click and choose Add New Team Project. Create two team projects using two available methodologies, Agile and CMMI.

- There is no specific reason for choosing Agile for WSS Team Project and CMMI for MOSS Team Project . I am just test driving them here ;)
- This process is wizard-driven and very easy to follow. That's why I just cut the crap to go over more fun stuff.

After going through the wizard , you should be able to browse to the SharePoint sites that TFS has created for you.

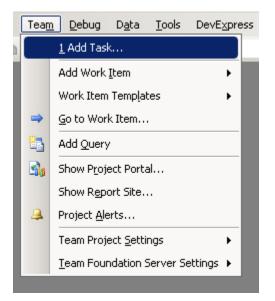
Home - WSSTP - Window	ws Internet Explorer
😋 💽 👻 🙋 http://tfsr	tm08/Sites/W5STP/default.aspx
🔆 🕸 🔡 🗸 🌽 Mana	ge Membership Providers 📊 Team System : Accessing Te 🚺 Limitations on access to Visu 📋 "VSTSOBRTM-R2" Remote Co 🥔 Home - WSSTP 🗙
WSSTP	
MSF for	
Agile Softwa	are Development
<b>#</b> WSSTP	
Ma WSSIF	
View All Site Content	Team Project for WSS Projects This team project was created based on the 'MSF for Agile Software Development - v4.2' process template.
Sites	Announcements
Documents	There are currently no active announcements. To add a new announcement, dick "Add new announcement" below.
Development     Project Management	Add new announcement
Requirements	
Security	Links
<ul> <li>Test</li> </ul>	There are currently no favorite links to display. To add a new link, dick "Add new link" below.
Process Guidance	Add new link
Reports	
Bug Rates	Remaining Work
<ul> <li>Builds</li> </ul>	Remaining Work
<ul> <li>Quality Indicators</li> </ul>	Report Generated: 12/27/2007 5:10:20 PM by TFSRTM08\tfsSetup; Last Warehouse Update: 12/27/2007 4:18:38 PM
<ul> <li>Project Velocity</li> </ul>	How much work is left and when will it be done?
<ul> <li>Issues List</li> </ul>	Active Resolved Closed
Exit Criteria Status	
Recycle Bin	20
	15



Now when you connect to our TFS Server , you see both Team projects to choose.

Start Page

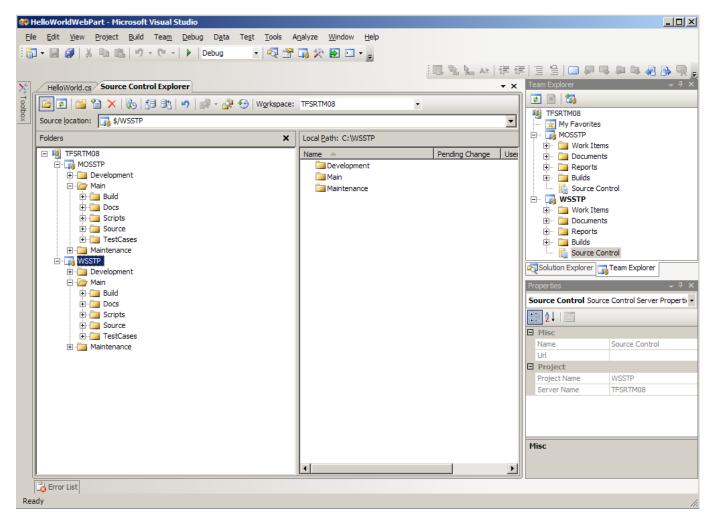
Visual Stu	dio Team System 2008
Recent Projects	MSDN: Visual C#
RMIntegration	Visual C# 2008 Express Connect to Team Foundation Server
🛃 testconsoleapp	Mon, 19 Nov 2007 14:55:5 ols
🚰 Test	and language support to be Connect to a Team Foundation Server:
CRMIntegration	LINQ and Deferred Exec tfsrtm08
Reference to the test of t	Fri, 21 Dec 2007 12:11:39
詞 Solution	MSDN Subscribers: Get
	Mon, 19 Nov 2007 14:55:5 (Select <u>A</u> ll)
Open: Project	compelling applications for MOSSTP
Treate: Project	.NET Web Product Road 🔲 WSSTP
	Tue, 11 Dec 2007 10:35:59 ease
Getting Started	delivers new capabilities fo
	ASP.NET MYC Framewol
What's new in Visual C#?	Tue, 11 Dec 2007 10:37:36 approach you can use to si
Create Your First Application How Do I ?	LINO: Building an IQuer
Learn Visual C#	Tue, 11 Dec 2007 10:38:07
Download Additional Content	how to build a LINQ IQuery
MSDN Forums Visual C# Developer Center	Immutability in C# Par
Extend Visual Studio	Tue, 11 Dec 2007 10:38:26 OK Cancel pffers
	directions that C# could gc
	Immutability in C# Part Two: A Simple Immutable Stack
	Tue, 11 Dec 2007 10:38:50 -0800 - Eric Lippert discusses how to build an immutable stack.
	Immutability in C# Part Three: A Covariant Immutable Stack
isual Studio Headlines	Tue, 11 Dec 2007 10:39:20 -0800 - Eric Lippert offers the following proposition: Suppose we had a hypothetical future version of C# in which interface covariance worked, and we wanted a covariant immutable stack.
Vindows Vista SP1 Release	Immutability in C# Part Four: An Immutable Queue
andidate Now Available to MSDN subscribers	Tue, 11 Dec 2007 10:39:57 -0800 - Eric Lippert points out that an Immutable Queue is a bit trickier to write than an immutable Stack, but he is prepared to take a shot at it.
	LINQ and Deferred Execution Tue, 11 Dec 2007 10:40:19-0800 - Charlie Calvert says that understanding deferred execution is a rite of passage



After you successfully set up your Team project there are so many things you can do from within your VS.NET IDE, of course if you have the required permissions. One of them is a new menu called "Team" that has been added to the existing ones. Go ahead and have a peek.

#### 4) Structuring Source Control Folders in Team Foundation Server

In each team project set up the folder structure that is suitable for your development . For more information please read this <u>article</u>.

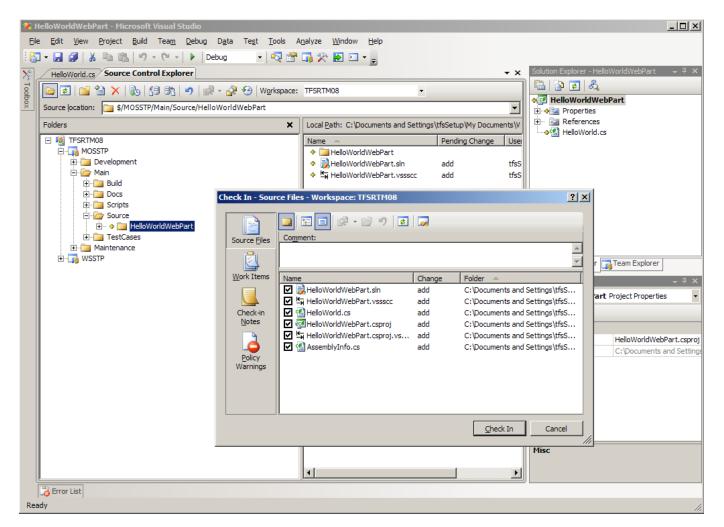


## 5) Add your solution to your source tree (under the right team project and folder)

While you are in the source control explorer specify the folder that you want to check in your solution :

🐼 HelloWorldWebPart - Microsoft Visual Studio		
<u>Eile E</u> dit <u>V</u> iew <u>P</u> roject <u>B</u> uild Tea <u>m</u> <u>D</u> ebug D <u>a</u> ta	Te <u>s</u> t <u>T</u> ools A <u>n</u> alyze <u>W</u> indow <u>H</u> elp	
🚺 - 🛃 🥔   🔏 🗈 🛍   🤊 - (° -   🕨   Debug	- 💀 🖀 📑 🏷 💽 🖸 - 🖕	
HelloWorld.cs Source Control Explorer	- ×	Solution Explorer - HelloWorldWebPart 🛛 🚽 🎗
Add Solution	HelloWorldWebPart to Source Control	
your local w	ere to store your solution and projects in the team foundation server and in orkspace.	HelloWorldWebPart
	TFSRTM08	📲 HelloWorld.cs
H MOSSTP	ect Location:	
	Maintenance	Calution Evaluation
	VSSTP	Solution Explorer
Make	lew Folder	Properties
	me for the solution <u>f</u> older:	
	dWebPart	till 2↓ I ⊡
	nd project files will be added to: 2/Main/Source/HelloWorldWebPart Advanced	Project File HelloWorldWebPart.csproj
		Project Folder C: \Documents and Settings
	OK Cancel	
		Misc
		THSC .
Error List		
Ready		h.

Check in your source code to the Source directory:



Testing from another workstation, verify that you get the right folder structure along with the source code that you have just checked in . I checked in the code from TFS machine (TFSRTM08) and now I am trying to get the latest version from another machine (TORONTO1).

🛠 Source Control Explorer - Microsoft Visual Studio	X DL
<u>Eile Edit View Build Data T</u> ools DevExpress Test A	jalyze <u>Window H</u> elp
🔢 • 🔤 • 💕 📓 🥔 🐰 ங 🛍 🔊 • (° • 🚚 • 🖳	▶
Start Page Source Control Explorer	• ×
🔁 🗃 🎽 🗙 🛼 🕄 🚓 🖉 🗠 😡	kspace: TORONTO1 -
Source location: 3/MOSSTP	T I I I I I I I I I I I I I I I I I I I
Folders ×	Local Path: C:\MOSSTP
🖃 🍓 tfsrtm08	Name Pending Change User Latest
H- 100 MOSSTP	Development Yes
te-Lin wsstp	Manage Workspaces
	Workspaces:
	Name Computer Comment
	TFSRTM08 TFSRTM08 TORONT01 TORONT01
	Edit Workspace TORONTO1 21 X
	Name: TORONTOI
	Server: Itfsrtm08
	Qwner: TFSRTM08\tfsSetup
	Computer: TORONTO1
	Comment:
	Add   E
	Active \$/MOSSTP C:\MOSSTP
	Active \$(WSSTP C:\WSSTP Click here to enter a new working folder
	Remove OK Cancel
Beady	I

# 6) Enable web access with forms based authentication by installing web access power tool

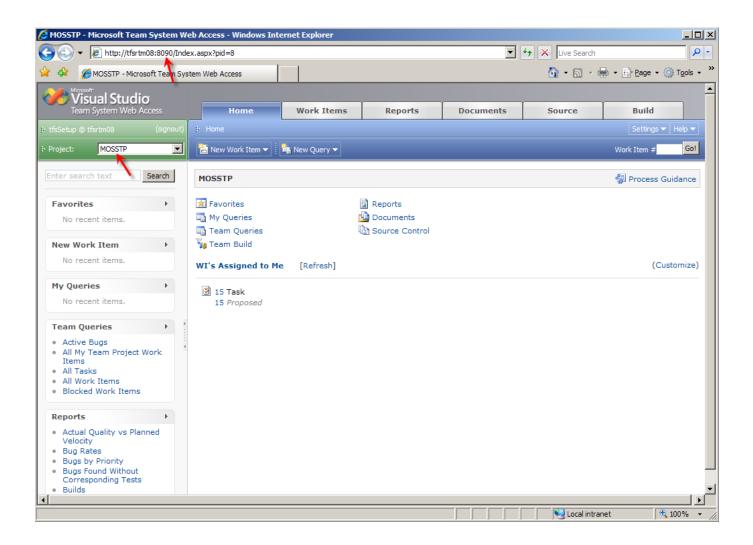
First you need to download Visual Studio Team System Web Access 2008 Power Tool from <u>here</u> and install it on your TFS machine. During installation it gives you the option to choose FBA as your main authentication method. After the installation is finished you will see that another web site has been added to IIS with the settings that you have specific in various wizards throughout the installation process.

"VSTS08RTM-R2" Remote Control			
Internet Information Services (IIS) Manager         Image: Services			•
Image: Provide the second services         Internet Information Services         Internet Information Pools         Application Pools         Web Sites         Image: Poil Default Web Site         Image: Poil Default System Web Access         Image: Poil Default SMTP Virtual Server	Computer TFSRTM08 (local computer)	Local Version Yes IIS V6.	

Now , just go ahead and hit the new site . Yes , as you can see you will be challenged to enter your credentials using a form based authentication mechanism. Go ahead and enter the right user name and password.

Connect to Team Foundation Server - Windows Internet Explorer				
C N Http://tfsrtm08:8090/UI/Pages/Login.aspx?redirect=%2findex.aspx		• +7 ×	Live Search	<u>۹</u>
😭 🍄 🍘 Connect to Team Foundation Server		ć	🕯 • 🗟 • 🖶 • 🔂	<u>P</u> age ▼ () T <u>o</u> ols ▼ <sup>≫</sup>
Visual Studio Team System Web Access				
Connect to Team Foundation Ser	ver			
Team Foundation Server URL	http://TFSRTM08:8080			
Username				
Password				
	🗌 Remember me			
	Connect			

You will be redirected to a nice web-based view of your team foundation server where you have access to almost everything.



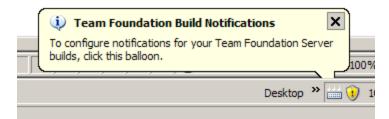
	90/UI/Pages/Scc/	Explorer.aspx?pid=	8			🛨 🔸 🗙 Live Sea	rch 🥖
🕸 🏉 Browse \$/ - Microsoft	Team System Web	Access				🙆 • 🔊	✓ → → → Page → ○ Tools
Visual Studio							
Team System Web Access		Home	Work Items	Reports	Documents	Source	Build
	gnout) 🖡 Home						Settings 👻 Help 👻
oject: MOSSTP							Work Item # Go!
ter search text Search	h \$/	MOSSTP/Main	/Source/HelloWor	ldWebPart			
avorites	F	Name		Pending (	Change	User	Version
No recent items.		[]					
		HelloWorldWeb	Part				(
		HelloWorldWeb	Part.sln				6
No recent items.	÷	HelloWorldWeb	Part.vssscc				6
ly Queries	►						
No recent items.							
eam Queries	► E						
Active Bugs All My Team Project Work Items All Tasks All Work Items Blocked Work Items	4						
eports	►						
Actual Quality vs Planned Velocity Bug Rates Bugs by Priority Bugs Found Without							

### 7) Install Visual Studio Team System 2008 Team Foundation Server Power Tools

TFS Power Tools includes many cool features such as Best Practices Analyzer, Build Notification Tool, Team Explorer IDE menu additions and etc. Next step would be to download this tool from <u>here</u> and install it on your TFS. You can also install this on your own client machine, but keep in mind that many of these features are admin ONLY. For more information click <u>here</u>. Best Practices Analyzer is checking the my TFS health :

V Microsoft Team Foundation	Server Best Practices Analyzer	-02
Microsoft Team	Foundation Server Best Practices Analyzer	Visual Studio
<ul> <li>Welcome</li> <li>Start a scan</li> <li>Select a Best Practices scan to view</li> <li>View a report</li> </ul> See also <ul> <li>The Team Foundation Server Best Practices Analyzer Help</li> <li>About the Team Foundation Server Best Practices Analyzer</li> <li>The Team Foundation Server Best Practices Analyzer Web site</li> <li>Send feedback and</li> </ul>	Scanning In Progress         Please wait while the Team Foundation Server Best Practices Analyzer creates a Best Practices report by gathering data from the specified loca         23%         Estimated Time Remaining:       4 minutes, 26 seconds         Stop Scanning         Scanning details:	
<ul> <li>Send reedback and suggestions about this tool to Microsoft</li> </ul>	Team Foundation Server Health Check - http://tfsrtm08:8080	38%
Microsoft Team	Foundation Server Best Practices Analyzer	Visual Stu
<ul> <li>Welcome</li> <li>Start a scan</li> </ul>	Scanning Completed	
<ul> <li>Select a Best Practices scan to view</li> </ul>	Scanning has completed successfully.	
View a report	Scanning summary:	
See also The Team Foundation Server Best Practices Analyzer Help	Total: 2 completed	
<ul> <li>About the Team</li> <li>Foundation Server Best</li> <li>Practices Analyzer</li> </ul>	Team Foundation Server Health Check - http://tfsrtm08:8080	Completed
<ul> <li>The Team Foundation Server Best Practices Analyzer Web site</li> </ul>		Completed
<ul> <li>Send feedback and suggestions about this tool to Microsoft</li> </ul>		

As part of this downlaod there is a nice cool feature called TFS Build notifications.



This runs in the system tray to monitor the status of the build definitions you have specified.

Configure Build Notifications	? ×
Enter the text to filter build definitions by name:	
Search	Q
Select the build <u>d</u> efinitions to monitor:	
TFSRTM08 ⊡ MOSSTP Image: I	
Show notifications for the following events:	
Euild gueued	
Build started	
🔲 Build <u>f</u> inished	
Show notifications for builds triggered or queued by: <u>Anyone</u> <u>Me only</u>	
OK Can	cel

And some enhancements to the Team Explorer IDE. If you go to Tools--> Options -->Team Foundation Power Tools, you will see a list of all these enhancements and you can enable or disable them.

Options			? ×
Options  Task List  Web Browser  Performance Tools Projects and Solutions Source Control Text Editor Database Tools Debugging Device Tools	Power Tool Features     Quick label     Status and wildcard search     Windows Explorer     Work Item Tracking Template	True True True True	?×
HTML Designer     Office Tools     Team Foundation Server Power Tools     General     Test Tools     Text Templating     Windows Forms Designer     Workflow Designer	Quick label Create a label quickly	OK Can	cel

As I asiad there are many more features as part of this download. Hopefully I have been able to give you a tour for TFS 2008 and how to quickly add your first TFS friendly Web Part ;) . In the following weeks, I would like to write about creating speciall builds for SharePoint projects in particular, so stay tuned.