TFS 2013 Migration Guidance – VIMS

Purpose

This document is provided to give you more in-depth details regarding the migration of your project to our new TFS 2013 server. This was done **Tuesday, August 5**. This migration is an overall initiative to eventually consolidate all existing TFS servers across MVSS into one consolidated enterprise solution.

What to Expect

The work items (bugs, tasks, features, etc.) have been migrated from vm47.archon-tech.com. The test cases and source code have been migrated from vm249.archondev.com.

Version control

Since this is a separate TFS instance, you will need to create a new workspace to work in. It’s the same operation that you did when you set up your workspace on the previous servers. Just remember, you cannot point two workspaces on the same machine to the same folder, so do not try to point your new tfs13 workspace to the same folder location as your vm249 workspace. Delete your vm249 workspace folder.

Also, only the DEV branch was imported from vm249, so the branching structure will need to be recreated to perform usual branch and merge activities. Please see Bimal Desai for more information.

**More on source control binding:**

Some Visual Studio files, like solution files, have source control bindings embedded in the files. ***Most*** of the time, the bindings will update to point to the new server connection information. But this is not always the case. For more information on this, see the basics on binding: <http://msdn.microsoft.com/en-us/library/0eh3790h(v=vs.90).aspx>

There is some new intelligence in the later versions of Visual Studio where it will detect that it cannot connect to the bound version control server, and will give you an opportunity to change the binding to the new server. You will see a dialog where you can change the server path (pay attention to the server paths, look at the How to Connect information later in the document for the server binding path). Otherwise, you may have to look under File > Source Control > Change Source Control to reestablish the bindings. Contact [Everett Taylor](mailto:etaylor@mmm.com) if you have issues with solution or project bindings.

Reports

Good news. The work items collected from both servers have been consolidated. These will be pushed into the on premise OLAP data warehouse periodically, and there are default reports (like bugs, tests, etc.) that will available to you. For more information on these reports, see: <http://msdn.microsoft.com/en-us/library/dd380647.aspx>

Dashboards

Initially, the SharePoint dashboards (you may have seen these mentioned in the previous MSDN documentation will not be available. The MVSS Collaboration SharePoint site will used to store your project artifacts. That will be available to you by using the “Project Portal” link that you can find on the right side of the Web Access home page.

Testing

**Test plans, suites, and cases:**

All test cases were migrated from vm249, but the tools used for the migration do not have the capability to bring over the associated test suites and test plans. These will have to be exported from the old server and re-added and linked manually.

Builds

**Builds results:**

No build results from the previous TFS servers will be available.

**Build definitions:**

The complete build definitions cannot be migrated. **However**, if you have .xaml build process templates or custom build activity code, we will reuse as much as possible. The DevOps team will be assisting with creating new build definitions to match the old behavior, and in some cases, we may already have more advanced or elegant tooling available to use for common activities like assembly versioning or deployment. Also, there is a large file share that we use for build drops, so more disk space will be available for longer build retention policies.

**Build servers:**

Existing DMV build servers are already in place. We will work with you when the server is ready to get the build definitions and automated builds back into place as soon as possible to minimize interruption.

Post-migration steps for you

**How to connect:**

The new server is located at <http://tfs13.archon-tech.com:8080/tfs>. This is not a hyperlink, this is the URL that you will need to point Visual Studio and Microsoft Test Manager to in order to access the new server. First, you will configure a combination of Credentials Manager and Internet Explorer settings to prevent authentication prompting for your archon-tech domain account:

1. Go to Control Panel > Credentials Manager

1. Add a Windows Credential:



1. Add a Credential like this:



1. Open Internet Explorer, go to Tools > Internet Options (how you get there depends on the version of browser (the gear here):





1. Select the Security tab, then select Local Intranet, then click Sites:



1. Click Advanced:



1. Add an entry for all archon-tech servers, this should keep it from prompting you and will go back to Credential Manager to pull the user and password, make sure the "Require server verification checkbox is turned off":



1. Click Close, Ok, Ok.
2. Test by going to <http://tfs13.archon-tech.com:8080/tfs/web>
3. It shouldn’t prompt you.

**NOTE: If you change your archon-tech password (via Time Reporting, etc.), make sure to go back to Credentials Manager and UPDATE YOUR PASSWORD.**

Your Team Project Collection will be DMV, and the Team Project will be the Gorilla Project. For basic instructions on how to connect to a new server, see: <http://www.youtube.com/watch?v=X4BaJ_BUjSw>

**Firewall sessions:**

For access to some archon-tech servers (TFS 2013 in this case), a session must be opened through the firewall by going to <https://fwtx-proc-a.mmm.com:1443/netaccess/loginuser.html>. Use your ‘A’ account to open a new session in the firewall. We have configured the firewall to allow for port 8080 to allow Visual Studio communication through the firewall without a session, but there have been some recent issues with the firewall, so you may need to open a session. If you have issues with this, please submit a Salesforce ticket to Operations at: <https://www.clicktools.com/survey?iv=30guqed2bwa2w>

**Web access:**

To access to web interface for the new instance, go to <http://tfs13.archon-tech.com:8080/tfs/web>

Many of the users that are not involved in heavy coding may find this interface more comfortable that the original Team Explorer found in Visual Studio.

**Down-level IDE compatibility:**

For some previous development environments, like Visual Studio 2010 or 2012, there may be service packs or forward compatibility updates that will need to be applied to work correctly with the server. Also, for some of the new functionality (like Team Rooms, etc.), these may or may not be available for the desired IDE. For more detailed compatibility information, see: <http://msdn.microsoft.com/en-us/library/dd997788.aspx>

**IMPORTANT:**

**Visual Studio 2008 is not fully compatible with TFS 2013, so will need to use at least Visual Studio 2010 or above, with all required updates. Contact your manager if you need to upgrade to 2010.**

**Workspace Configuration:**

1. After the migration, you will not be able to connect to vm249. Remove the server from your list of available servers in Team Explorer.
2. Remove your old workspace and clear your version control cache:
   1. Open a command prompt, and go to C:\Program Files (x86)\[Visual Studio Version]\Common7\IDE. Here are the folders for each of the versions:
      1. Visual Studio 2008 – Microsoft Visual Studio 9.0
      2. Visual Studio 2010 – Microsoft Visual Studio 10.0
      3. Visual Studio 2012 – Microsoft Visual Studio 11.0
      4. Visual Studio 2013 – Microsoft Visual Studio 12.0
   2. Run: **tf workspaces**. Look for an entry for the old server that looks something like this (it will have visualstudio.com in the URL):

Collection: <http://vm249.archondev.com:8080/tfs/defaultcollection>

* 1. Run: **tf workspaces /remove:\* /collection:http://vm249.archondev.com:8080/tfs /defaultcollection**
  2. Clear the files and folders out the old folder that you were using.
  3. Run tf workspaces again. Look for the entries to the old server. You should not see any.
  4. Open your version of Visual Studio, and depending on the version apply the latest update possible:

VS 2008 SP1: No direct Team Explorer support.  You have to use the MSSCCI Provider for TFS 2013. You can find it here: <http://visualstudiogallery.msdn.microsoft.com/06c8e056-7f77-4a5c-9b8b-49318c143df8>

VS 2010:   
Install SP1: <http://www.microsoft.com/en-us/download/details.aspx?id=23691>   
Apply Forward Compatibility GDR: <http://www.microsoft.com/en-us/download/details.aspx?id=29082>   
  
VS 2012:   
Requires latest Visual Studio 2012 update.   
  
For compatibility information for all previous versions of TFS, see:   
<http://msdn.microsoft.com/en-us/library/dd997788.aspx>

1. Set up a new workspace that is linked to the on-premise server. For information on this, see: <http://msdn.microsoft.com/en-us/library/cc138514(v=vs.110).aspx> . This information varies based on which version of Visual Studio, so select the correct version at the top of the page.

Corrections

In the event that you find errors in this document, please contact Everett Taylor so that corrections can be made and an updated document can be redistributed. The corrections should be highlighted in red text.

Additional Issues

If you encounter any severe issues, like missing work items or version control files, these should be reported to [Everett Taylor](mailto:etaylor@mmm.com) immediately. We will attempt to correct these as soon as possible. If Everett is not showing as Available on IM, email is the next best option. If you do not receive a timely response, email us-mvss-devops, and we will get back to you. For a final attempt, please call Everett Taylor at (214) 870-9888.