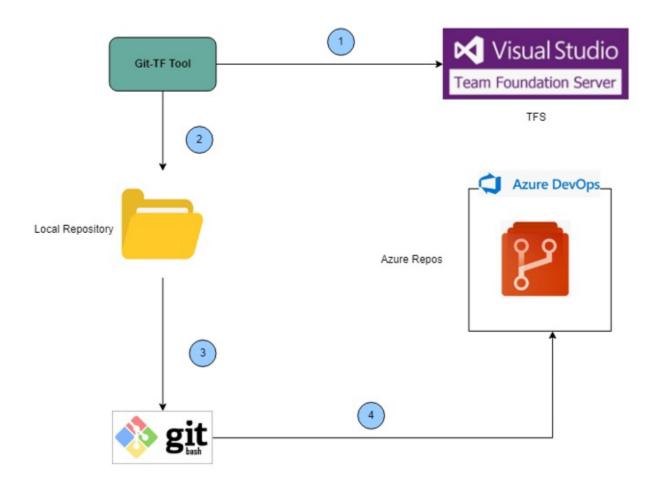
Steps to migrate source code from TFS to Azure Repo for Retail platform

Prerequisite:

- 1. Install Chocolatey to download and install Git-TFS
- 2. Install Visual Studio Community Version before installing GIT-TFS
- 3. Install Git-TFS tool to migrate code from TFS to local
- 4. Install Git Bash tool to push the code from local to Azure

TFS to Azure DevOps Design:

TFS to Azure DevOps migration



Chocolatey Installation Steps:

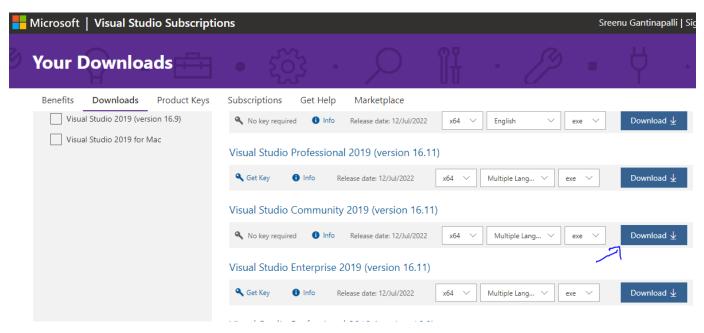
- 1. Open Windows Power Shell as a Administrator
- 2. Run below command to install Chocolatey

Set-ExecutionPolicy Bypass -Scope Process -Force; [System.Net.ServicePointManager]::SecurityProtocol = [System.Net.ServicePointManager]::SecurityProtocol -bor 3072; iex ((New-Object System.Net.WebClient).DownloadString('https://community.chocolatey.org/install.ps1'))

Visual Studio 2019 Installation Steps:

1. Go to below link and download the visual studio community version, before installing Git-TFS

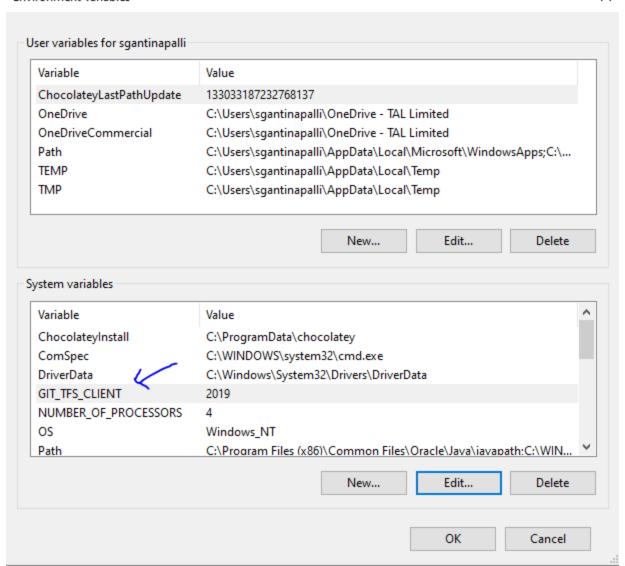
https://my.visualstudio.com/Downloads?q=Visual Studio 2019



- 2. Click on the .exe file to install Visual Studio
- 3. Please wait for couple of minutes to complete the installation .
- 4. Go to My Computer Advanced System Settings Environment Variables and below values in System Variables.

GIT_TFS_CLIENT=2019

Environment Variables X



Git-TFS Installation Steps:

- 1. Open Windows Power Shell as a Administrator
- 2. Run below commands to install Git and Git-TFS

choco install git choco install gittfs

3. After installation completed, run below commands to verify the Git-TFS installation successfully completed.

```
git-tfs --version

Administrator: Windows PowerShell

Find more help in our online help: https://github.com/git-tfs/git-tfs

S C:\WINDOWS\system32> git-tfs --version
Found matching Visual Studio version at C:\Program Files (x86)\Microsoft Visual Studio\2019\Community
git-tfs version 0.32.0.0 (TFS client library 16.0.0.0 (MS)) (64-bit)

Note: If you want to force git-tfs to use another version of the tfs client library,
set the environment variable `GIT_TFS_CLIENT` with the wished version (ie: '2015' for Visual Studio 2015,...)

Supported version: 2019, 2017, 2015

S C:\WINDOWS\system32>
```

Steps to Clone source code from TFS to local Git Repository:

1. Open command prompt and create a folder(example: TFS) and run below command to clone the code from TFS.

Usage: git-tfs clone [options] tfs-url-or-instance-name repository-path <git-repository-path>-c=<changeset from>-t=<changeset up-to>

Note: -c specifies The changeset to clone from and -t specifies up-to changeset

git-tfs clone http://twsydsv530:8080/tfs/DefaultCollection \$/OnlineRegistrations/Releases/R1 -c=72870 -t=83495

```
C:\UNDOWS\undersystem32\cmd.exe-git-fs clone http://twsydsv530:8808/tfs/DefaultCollection $/OnlineRegistrations/Releases/R1 -c=72870 -t=83495

C:\Users\sgantinapalli\[TF53\sgit-tfs clone http://twsydsv530:88080/tfs/DefaultCollection $/OnlineRegistrations/Releases/R1 -c=72870 -t=83495

Found matching Visual Studio version at C:\Program Files (x86)\Microsoft Visual Studio\2019\Community

Initialized empty Git repository in C:/Users/sgantinapalli/[TF53/R1/.git/]

info: you are going to clone a branch instead of the trunk ( $/OnlineRegistrations/Main )

=> If you want to manage branches with git-tfs, clone $/OnlineRegistrations/Main with '--branches=all' option instead...)

Fetching from TFS remote 'default'...

Removing workspace "git-tfs-9722b0a3-5793-4042-a359-d5af6e175db6;Sreenu Gantinapalli".

1 objects created...

C72870 = 8897980862b08a2f674e6a8cd7c5f4be515db9df4

The name of the local branch will be : Main

Fetching from dependent TFS remote 'Main'...

C74237 = 10bf39ed2a4e9311c56aa88001ecc117a6e95d3

C75627 = a9afb1898bb2aa7acc45ca00de4ee9b55705e489

C75628 = 175641f155959e73d51634351e6a364ffaa074bdd

C75698 = 156485742c0f731405d545986a329c2e33581031

C75717 = c245eaa438f00d2d25172f5f6ca1c308d71ca6bd

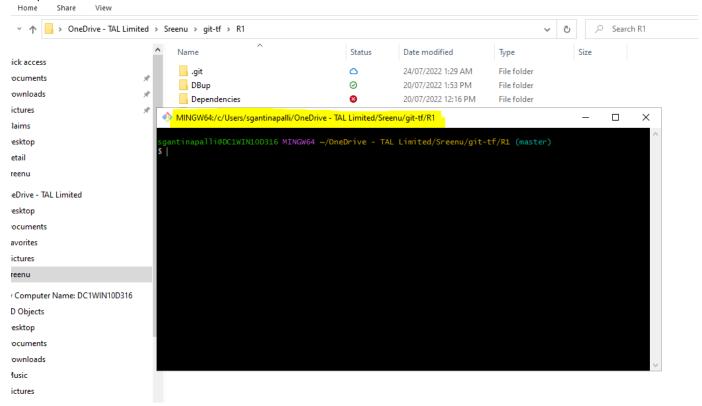
C75718 = 69dd830a12342633451e6a364516304517a6506

C75807 = 0160d77dff234c1007bdd2ad1f90c31c584abfa3
```

2. After completion, verify all the files and folders that were downloaded from TFS.

Steps to Push source code from local repository to Azure DevOps :

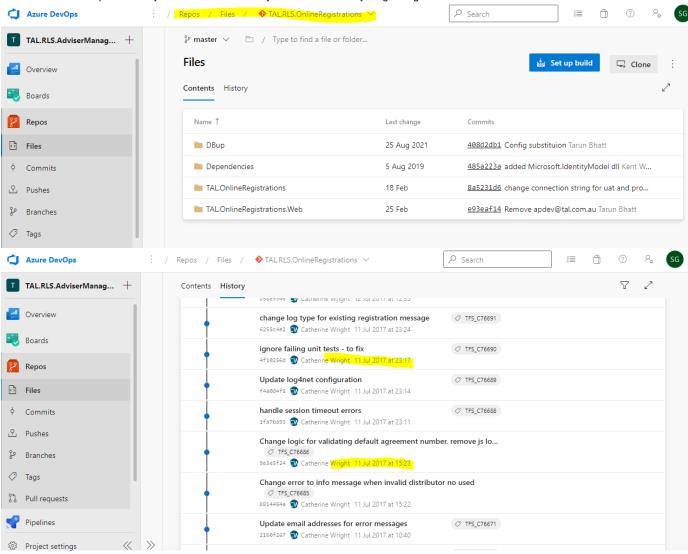
- 1. Install Git Bash Tool
- 2. Go to the folder where TFS was copied and right click and open Git Bash tool to run set of commands to push code from local to Azure DevOps.



3. Add origin to Azuredevops -

git remote add origin https://TALContinuousDelivery@dev.azure.com/TALContinuousDelivery/TAL.RLS.AdviserManagement/_git /TAL.RLS.OnlineRegistrations

- 4. Now pull the latest code from Azuredevops repo to local git repository git pull origin master --allow-unrelated-histories
- 5. Now push code to Azuredevops from local git repository git push -u origin -all
- 6. Go to Azure DevOps and verify the files and the history to make sure everything is migrated.



7. The migrating source code from TFS to Azure Devops is completed.