Step by step guide to migrate source code from TFS to AzureDevops

Git-TF Tool :

The tool is used to clone from TFS to local git repository with history

1. Watch the video to get idea about how to use the tool - https://www.youtube.com/watch?v=CxIFUnE5I10
2. Copy the tool from this location - \\twsydsv015\Common\git-tf
3. Copy the Git-Tf folder to c drive as below,

> My Computer Name: L012GJP0 → L012GJP0 (C:) → git-tf-2.0.3.20131219

Name	Date modified	Type	Size
lib	28/09/2021 11:22 PM	File folder	
native	28/09/2021 11:22 PM	File folder	
TAL.App.PolicyRequest	29/09/2021 3:32 PM	File folder	
git-tf	28/09/2021 11:24 PM	File	3 KB
git-tf.cmd	20/12/2013 5:33 AM	Windows Comma...	3 KB
Git-TF_GettingStarted.html	20/12/2013 5:33 AM	Microsoft Edge HT...	18 KB
Git-TF_ReleaseNotes.html	20/12/2013 5:33 AM	Microsoft Edge HT...	8 KB
license.html	20/12/2013 5:34 AM	Microsoft Edge HT...	24 KB
ThirdPartyNotices.html	20/12/2013 5:33 AM	Microsoft Edge HT...	30 KB

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4. Read the instruction in Git-TF_GettingStarted.html which has installation steps and other examples as how to use.

5. open git-tf file and update as below,

```
# Determine the platform
case `uname -s` in
    CYGWIN_NT*)
        PLATFORM=cygwin
        ;;
    MINGW*)
        PLATFORM=mingw32
        ;;
    *)
        PLATFORM=unix
        ;;
esac
```

6. Now the tool is ready to use.

Clone Source Code from TFS to local Git Repository :

1. Open command prompt in admin mode and navigate to Git-tf tool folder - C:\git-tf-2.0.3.20131219

2. **command to clone**: git-tf clone http://twsydsv530:8080/tfs "project location" --depth=****(Change set no till where you want history)

    a. **eg:** git-tf clone

    http://twsydsv530:8080/tfs "$\CommonServices\main\TAL.App.PolicyRequest " --depth=83000 - This will have history from 83000 till latest

    b. make sure that the path is of backslash "\"

3. open project folder where it is cloned and copy .gitignore from any other project to this folder

> My Computer Name: L012GJP0 > L012GJP0 (C:) > git-tf-2.0.3.20131219 > TAL.App.PolicyRequest

Name	Date modified	Type	Size
.git	5/10/2021 9:25 AM	File folder	
.nuget	29/09/2021 3:29 PM	File folder	
packages	29/09/2021 3:29 PM	File folder	
TAL.App.PolicyRequest	29/09/2021 3:29 PM	File folder	
TAL.App.PolicyRequest.BusinessLogic	29/09/2021 3:29 PM	File folder	
TAL.App.PolicyRequest.BusinessLogic.Aco...	29/09/2021 3:29 PM	File folder	
TAL.App.PolicyRequest.Common	29/09/2021 3:29 PM	File folder	
TAL.App.PolicyRequest.DataAccess	29/09/2021 3:29 PM	File folder	
TAL.App.PolicyRequest.DataContracts	29/09/2021 3:29 PM	File folder	
TAL.App.PolicyRequest.DataEntities	29/09/2021 3:29 PM	File folder	
TAL.App.PolicyRequest.DataLayer	29/09/2021 3:29 PM	File folder	
TAL.App.PolicyRequest.Services	29/09/2021 3:29 PM	File folder	
Tests	29/09/2021 3:29 PM	File folder	
.gitignore	15/01/2021 11:36 AM	Text Document	1 KB
TAL.App.PolicyRequest.sln	29/09/2021 3:29 PM	Microsoft Visual St...	31 KB
TAL.App.PolicyRequest.vssscc	29/09/2021 3:29 PM	Source Control Sol...	1 KB
TestSettings.testsettings	29/09/2021 3:29 PM	Visual Studio Test ...	3 KB

4. Remove Files inside the project folder which are not required:

    -- Packages folder

    -- Remove ***.Vssscc file

5. Navigate to project folder in command prompt eg: C:\git-tf-2.0.3.20131219\TAL.App.PolicyRequest

6. Add origin to Azuredevops -

    git remote add origin https://TALContinuousDelivery@dev.azure.com/TALContinuousDelivery/TAL.RLS.App.PolicyRequest/_git/TAL.RLS.App.PolicyRequest – this is corresponding project url

7. Now push code to Azuredevops from local git repository - git push -u origin –all

8. Go to azure devops and verify the files and the history to make sure everything is migrated.

9. Verification - Clone repository from Azure devops to local. Build and test in local to make sure it is working fine. Run all test cases.

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