

# **Steps to do after migration from BitBucket to Azure Repos**

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## Overview:

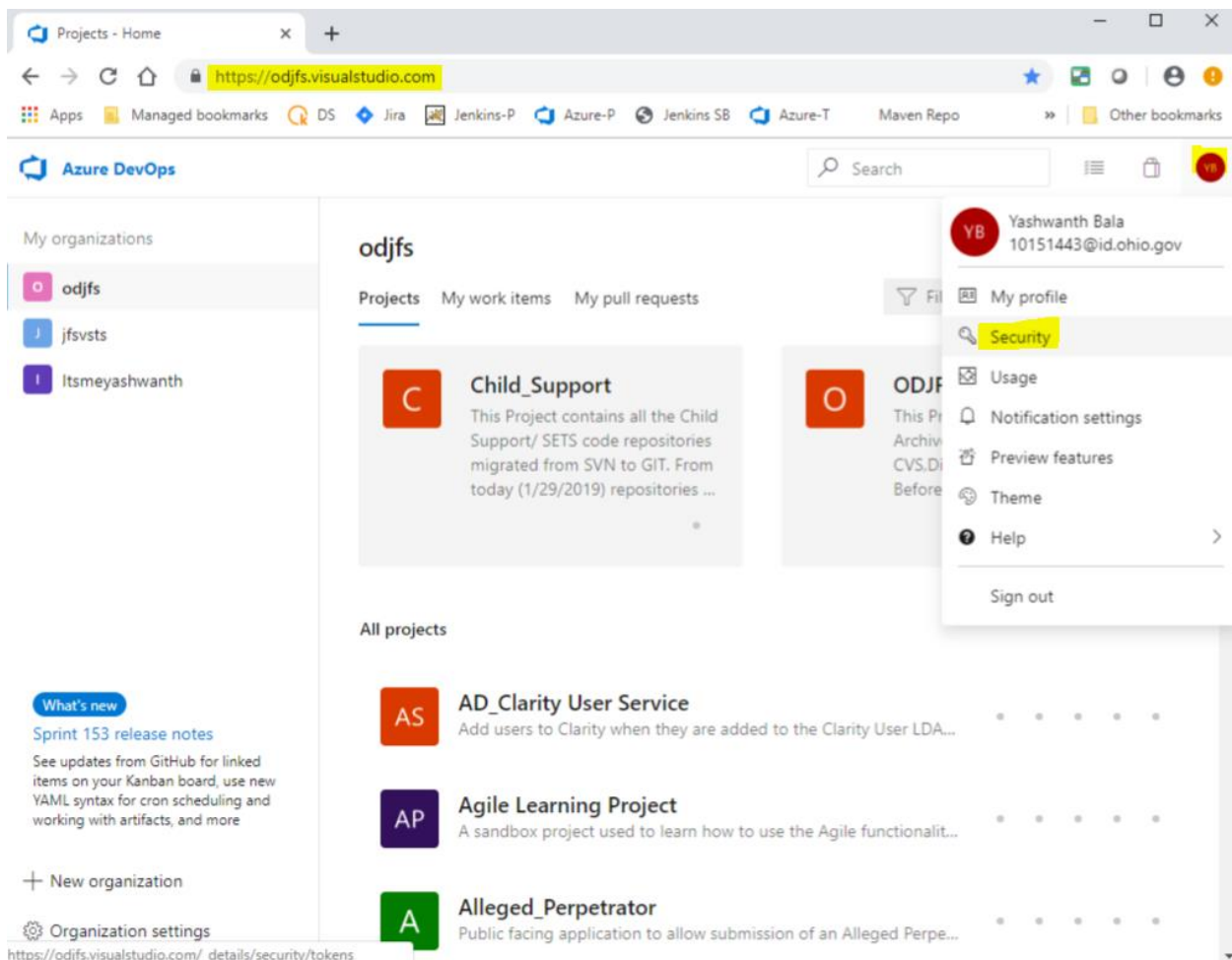
This document lists the steps

- To connect with Azure Repos (GIT) using Source Tree Client (Recommended).
- To install or update Sourcetree client software.
- To connect with Azure Repos (GIT) from RAD (optional).
- To connect with Azure Repos (GIT) using GIT Bash (optional).
- To update Jenkins Jobs configuration after code migration from BitBucket to Azure Repos.
- To request access to Azure DevOps.

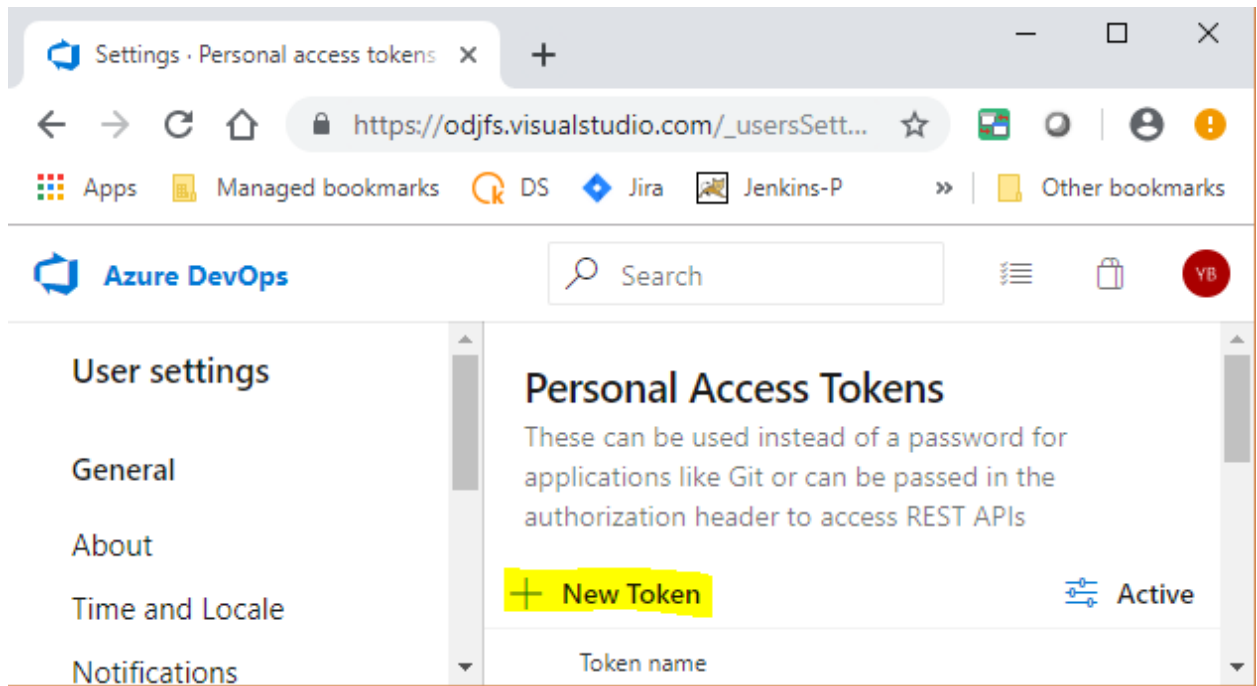
## Create Personal Access Token (PAT) in Azure DevOps – For Sourcetree Users (Recommended):

Personal Access Tokens (PATs) are alternate passwords that you can use to authenticate in to Azure DevOps. Following steps shows how to create PAT to authenticate from Sourcetree to Azure DevOps.

- 1) Sign in to Azure DevOps using URL <https://odjfs.visualstudio.com/> with (8-digitSUID@id.ohio.gov (Ex: 10151443@id.ohio.gov) & OAKS password).
- 2) From your home page, open your profile. Go to your security details.

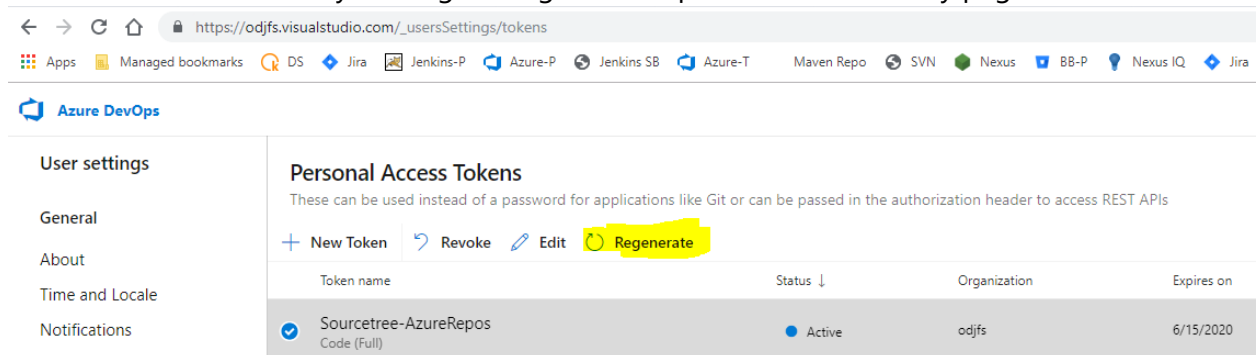


- 3) Create a personal access token by clicking on **+New Token**



- 4) i) Name your Personal Access Token as per your wish  
ii) Select lifespan Expiration as **(Custom defined)** from dropdown list.  
iii) Choose expiration date which is one-year (Ex: Jun 15, 2020) from current date (Ex: Jun 15, 2019).

**Note:** As per Azure DevOps architecture we can select lifespan of maximum one year. You will receive notification email seven days before the expiration of PAT. You can regenerate the new token in future by clicking on Regenerate option in User Security page



- iv) Select scope for your token as **(Custom defined)** and select **Full** checkbox.  
v) Click on **Create** button.  
vi) When you're done, make sure to **copy the token**. You'll use this token as your password to establish connectivity between Sourcetree client and Azure DevOps.

## Create a new personal access token



Name

Sourcetree-AzureRepos

Organization

odjfs

Expiration (UTC)

Custom defined

Mon Jun 15 2020



### Scopes

Authorize the scope of access associated with this token

Scopes

☐ Full access ☒ Custom defined

#### Work Items

Work items, queries, backlogs, plans, and metadata

☐ Read ☐ Read & write ☐ Read, write, & manage

#### Code

Source code, repositories, pull requests, and notifications

☒ Read ☒ Read & write ☒ Read, write, & manage ☒ Full ☐ Status

#### Build

Artifacts, definitions, requests, queue a build, and updated build properties

☐ Read ☐ Read & execute

#### Release

Read, update, and delete releases, release pipelines, and stages

[Show all scopes \(27 more\)](#)

Create

Cancel

## Success!



You have successfully added a new personal access token. Copy the token now!

Sourcetree-AzureRepos token

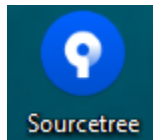
24xd6u42fwtupibtlizuo7



Warning - Make sure you copy the above token now. We don't store it and you will not be able to see it again.

## Steps for installing or updating Sourcetree:

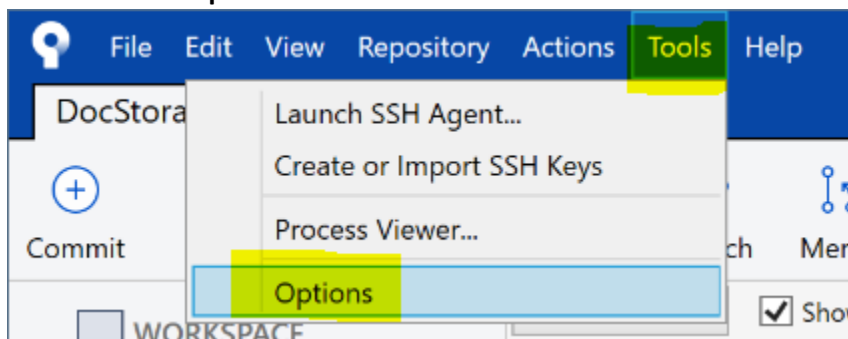
Check if Sourcetree client is installed on your desktop, skip this step if you already have it, if not install it from Software center. If you don't see Sourcetree in your Software Center, please raise a ServiceNow incident to “JFS - EndPoint Engineering” Team.



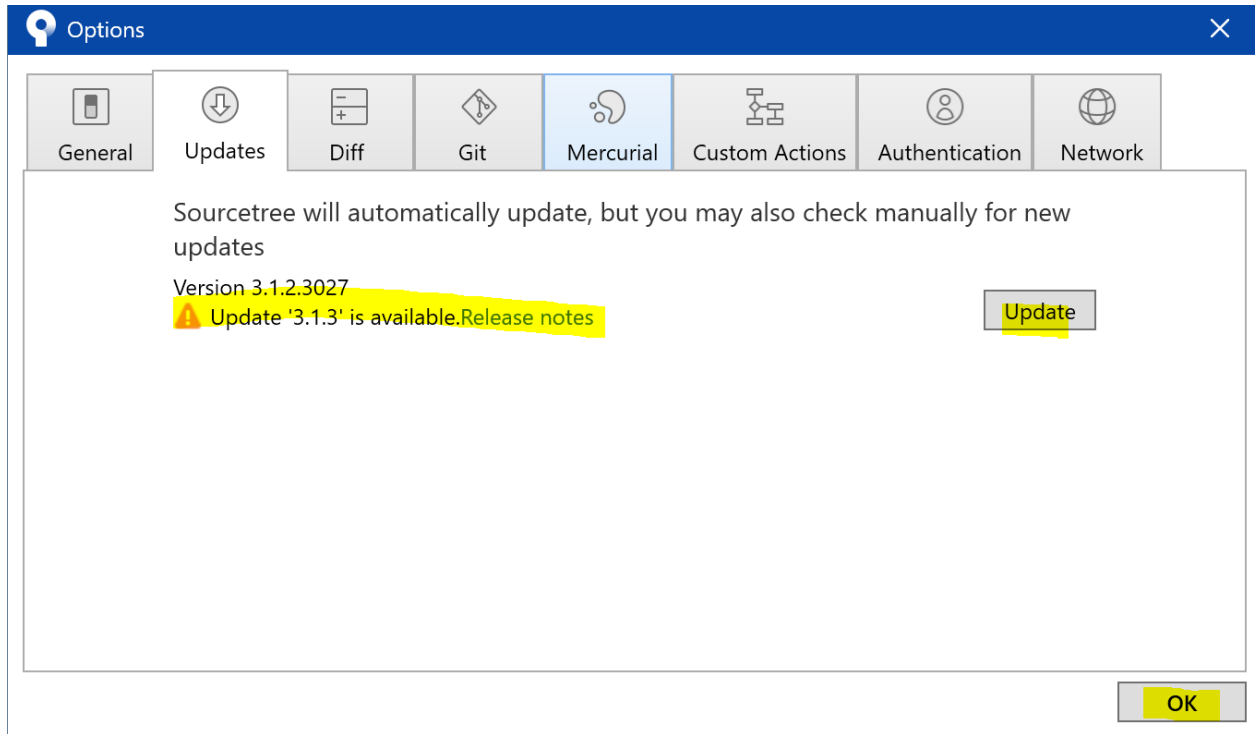
Alternately, you can download Sourcetree **latest version (3.1.3 as of today-06/21/2019)** from internet as it is opensource.

If you already have Sourcetree make sure to update to latest version (**3.1.3 as of today 06/21/2019**) by following below steps

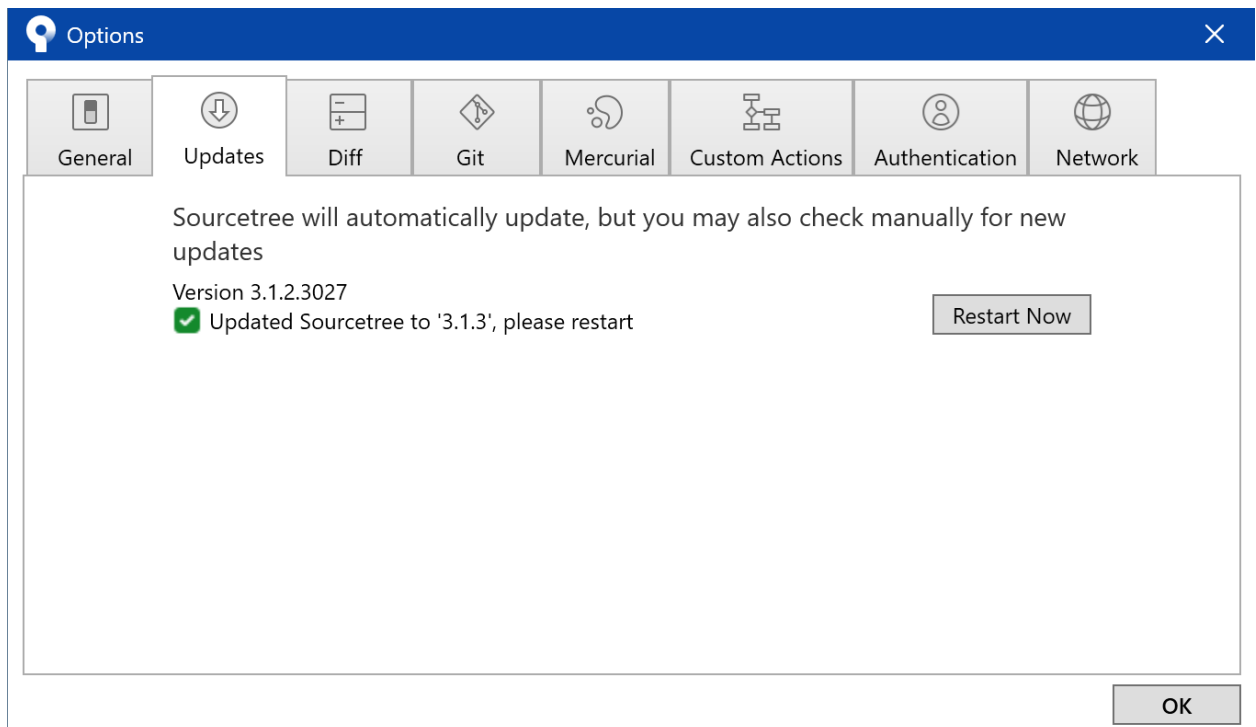
- Go to **Tools - > Options**



- Click on **Updates** tab
- If you have older version, it will show as below, click on “**Update**” button to update to latest version.

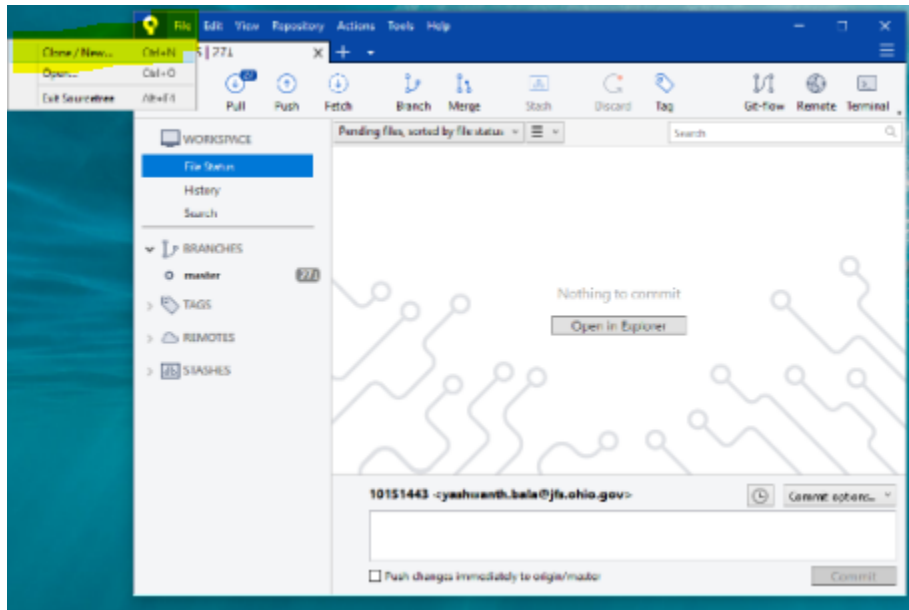


- After successful update it will prompt for Sourcetree Restart, click on “**Restart Now**” button to restart which brings your Sourcetree version to latest available.

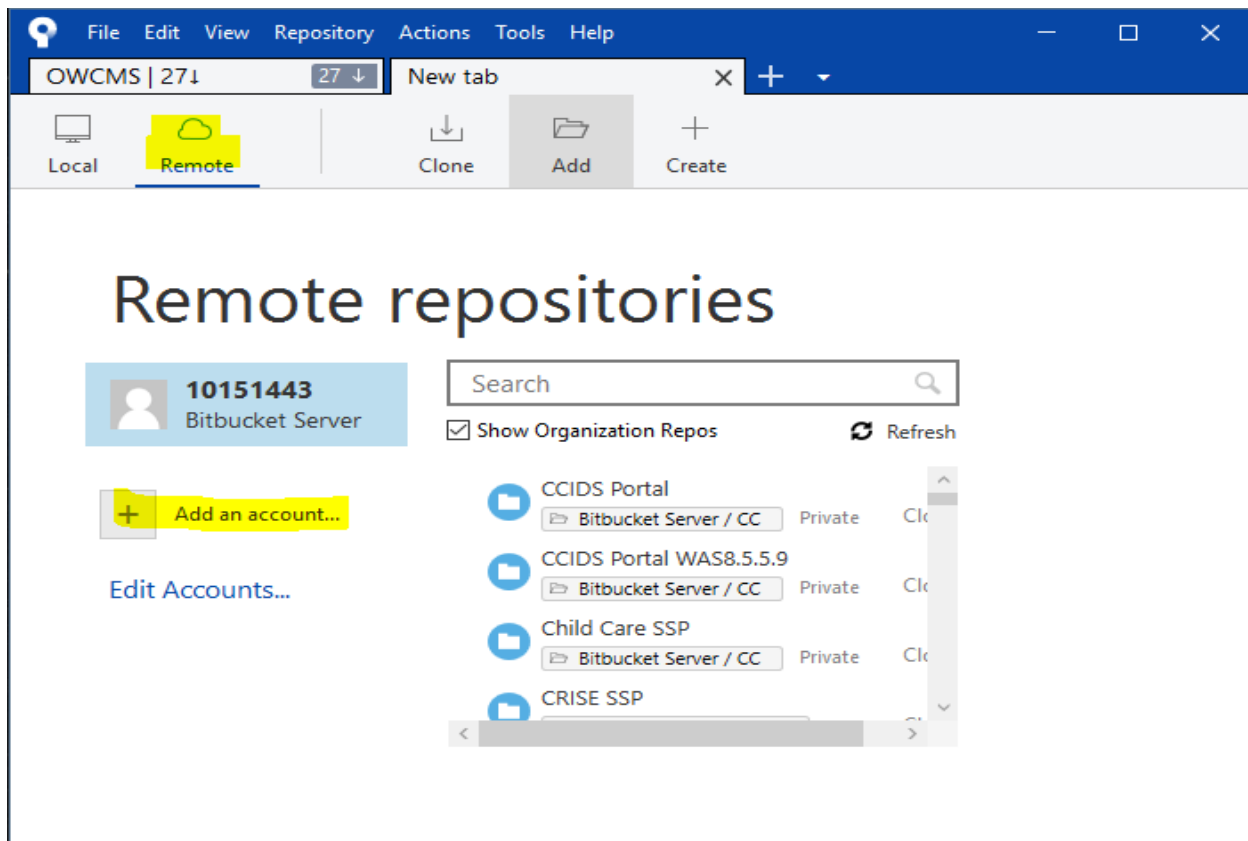


## Add Azure DevOps Remote Repositories Account in Sourcetree:

1) Open Sourcetree and then Click on **File** -> **Clone/New**



2) Click on **Remote** Icon and then on **Add an account**



3) Select following values in the Pop-up window and click on “**Refresh Personal Access Token**” button

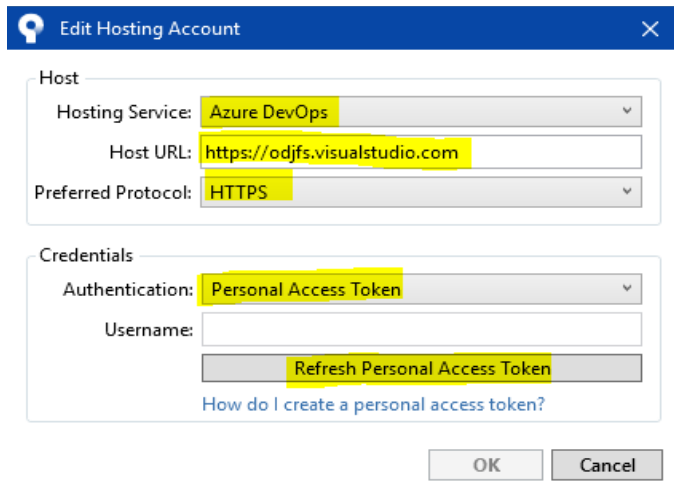


**Hosting Service:** Azure DevOps

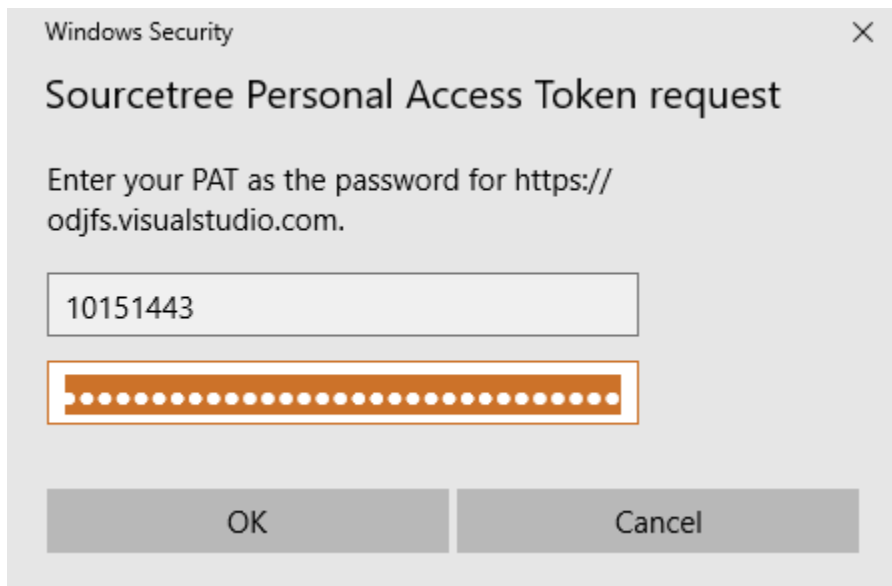
**Host URL:** <https://odjfs.visualstudio.com>

**Preferred Protocol:** HTTPS

**Authentication:** Personal Access Token



4) In the pop-up window for User name: **Enter your 8-digit SUID** and for Password: **Paste the Personal Access Token (PAT)** which you have generated in the beginning and click on **OK** button



5) If your credentials (UserID and PAT) are correct you will see **“Authentication OK”** message. Then click on **OK** button to close the Pop-up window.

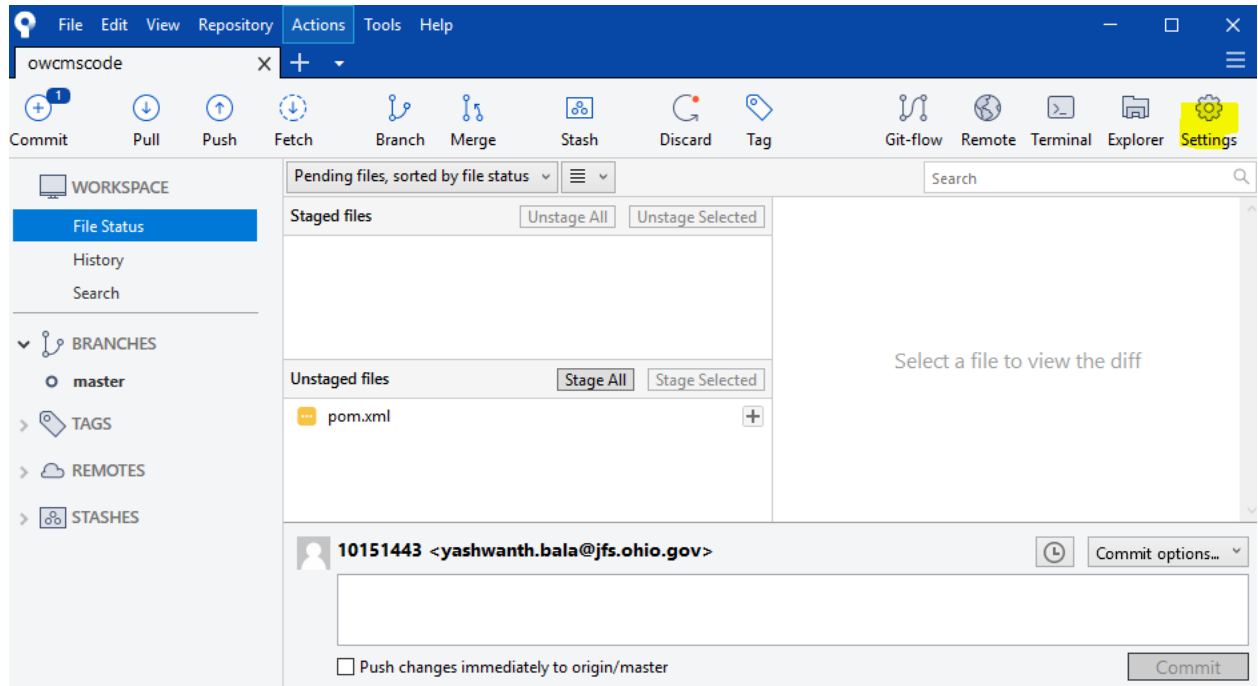
6) Now you can clone any new project from Azure Repos in Azure DevOps to which you have required permissions.

## Remote repositories

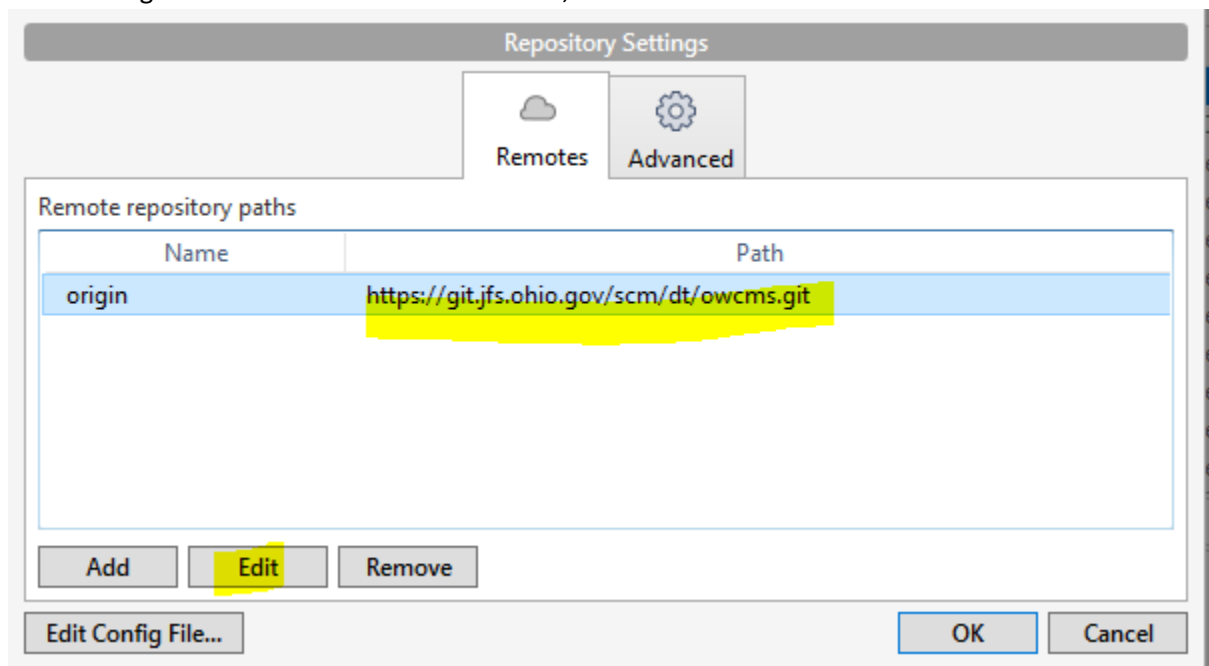
ODJFS Devops Team

## Steps to continue using existing Sourcetree setup by changing Origin from BitBucket to Azure Repos

- 1) Open Sourcetree and click on **Settings** gear Icon



- 2) Click on origin Path once to enable **Edit** button, then click on **Edit**



- 3) In the Pop-up window change existing BitBucket URL/Path to new Azure Repos clone URL/Path and select Azure DevOps Remote Account created previously in Step:3 and click **OK** and **OK**.

Remote details

Required information

Remote name:  ☒ Default remote

URL / Path:

Optional extended integration

Remote Account:

Azure DevOps

Extended integration is used to enable deeper integration with hosting providers such as Bitbucket, including locating existing clones when following links from sites and creating pull requests.

Repository Settings

Remotes Advanced

Remote repository paths

Name	Path
origin	https://odjfs.visualstudio.com/GITPLAY/_git/owcms

- 4) Continue your daily GIT activities like Commit, Pull, Push etc., in Sourcetree.

### RAD Plugin to Connect to Azure DevOps (optional):

Installing plugin in RAD to connect to Azure DevOps is optional if you already have Sourcetree client. Plugin gives same features as Sourcetree within RAD.

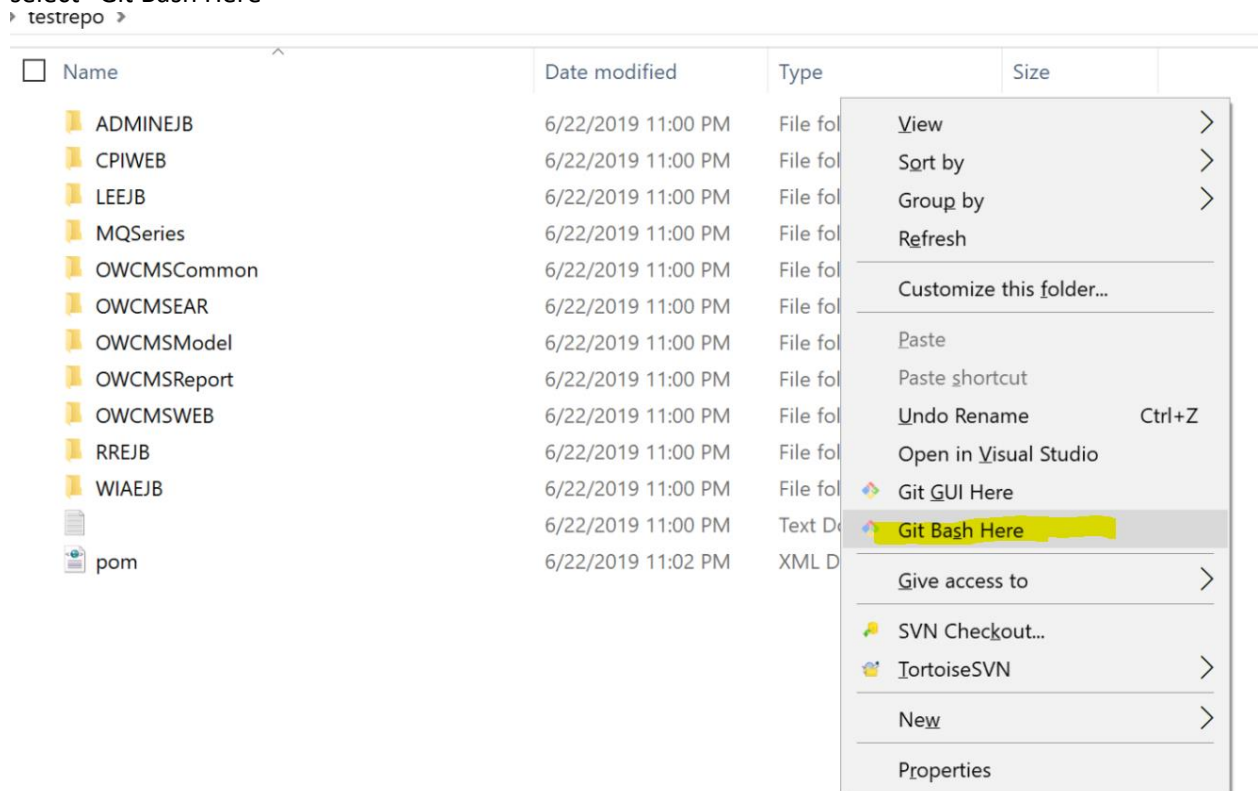
**“Team Explorer Everywhere”** is the plugin which is recommended to connect to Azure DevOps from Rational Application Developer (RAD) IDE. Following URL has documentation with screenshots showing how to install and use.

<https://azuredevopslabs.com/labs/java/eclipsegit/>

## Steps to Change Origin using commands– For Git Bash Users (optional)

GIT Bash users can follow below steps to change GIT origin from BitBucket to Azure Repos.

- 1) Navigate to the folder where you have cloned code from Bitbucket previously, right click and select “Git Bash Here”



- 2) Executing “git remote -v” shows current origin that is being pointed to BitBucket

```
10151443@JFSLT437791 MINGW64 /c/testrepo (master)
$ git remote -v
origin https://git.jfs.ohio.gov/scm/test/testrepo.git (fetch)
origin https://git.jfs.ohio.gov/scm/test/testrepo.git (push)
```

- 3) To change this origin, execute the command “git remote set-url origin AzureRepoUrl”

```
10151443@JFSLT437791 MINGW64 /c/testrepo (master)
$ git remote set-url origin https://odjfs.visualstudio.com/DevOps/_git/testrepo
```

- 4) Execute “git remote -v” again to make sure origin is changed from BitBucket to Azure Repos

```
10151443@JFSLT437791 MINGW64 /c/testrepo (master)
$ git remote -v
origin https://odjfs.visualstudio.com/DevOps/_git/testrepo (fetch)
origin https://odjfs.visualstudio.com/DevOps/_git/testrepo (push)
```

- 5) Now you can continue your daily GIT activities like commit, push and pull from/to your repository in Azure Repos.

## Jenkins Jobs Update:

Dev Leads or CM Team are responsible to make changes as below if your project has any Jenkins Jobs.

Following screenshot shows existing Jenkins Source Code Management configuration

**Source Code Management**

☐ None  
☐ Clone Workspace  
☐ File System  
☒ Git

**Repositories**

Repository URL:

Credentials:

**Branches to build**

Branch Specifier (blank for 'any'):

Login to Jenkins -> Click on the job -> Configure -> Scroll down to Source Code Management section and change “Repository URL” from BitBucket to your “**Azure Repos code repositories’ URL**” and “Credentials” to “**AzureDevOps/\*\*\*\*\* (Jenkins Access to AzureDevOps)**” and save.

**Source Code Management**

☐ None  
☐ Clone Workspace  
☐ File System  
☒ Git

**Repositories**

Repository URL:

Credentials:

Do a test build to validate all new changes.

## Azure DevOps Access Request:

If anyone needs access to Azure DevOps, respective Manager should submit ServiceNow Request to “**JFS - Change & Configuration Mgmt**” group. In the ServiceNow request please specify

- 8-digit SUID of the user/users who need access
- Project to which access is needed
- Branch to which access is needed, if you want to restrict access to a specific branch
- Type of access needed – **Readers** or **Contributors/Developers** or **Project Administrator**

Type of Access	Permissions
Readers	Read/View Project level information Read/View Project Code Contribute to pull requests
Contributors/Developers	Read/View Project level information Read & Write Project Code Contribute to pull requests Create branch Create tag
Project Administrator	Read/View Project level information Read & Write Project Code Contribute to pull requests Create Repository Create branch Create tag Delete branches and tags Rename Repository Remove others locks