

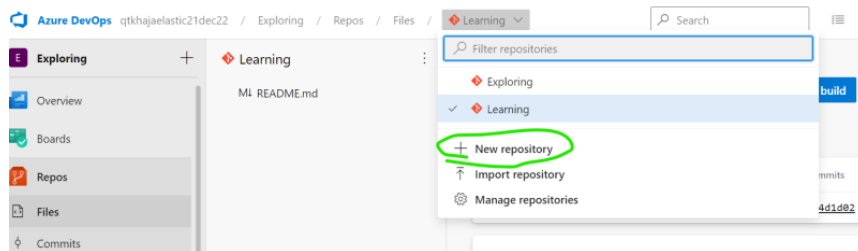


FEBRUARY 1, 2023

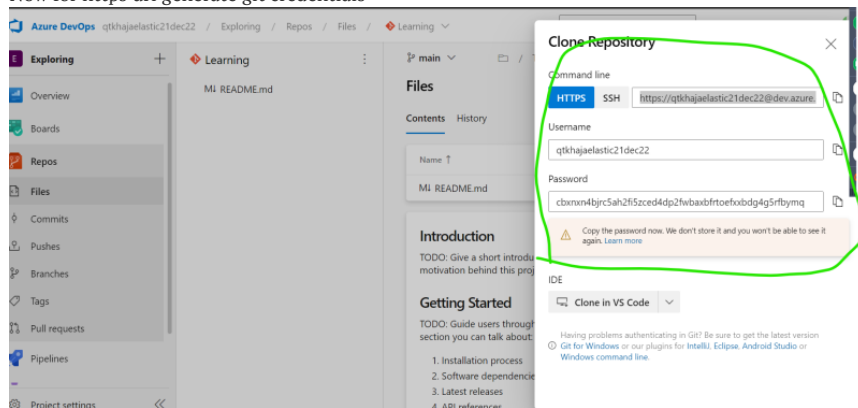
# DevOps Classroomnotes 01/Feb/2023

## Azure Repos

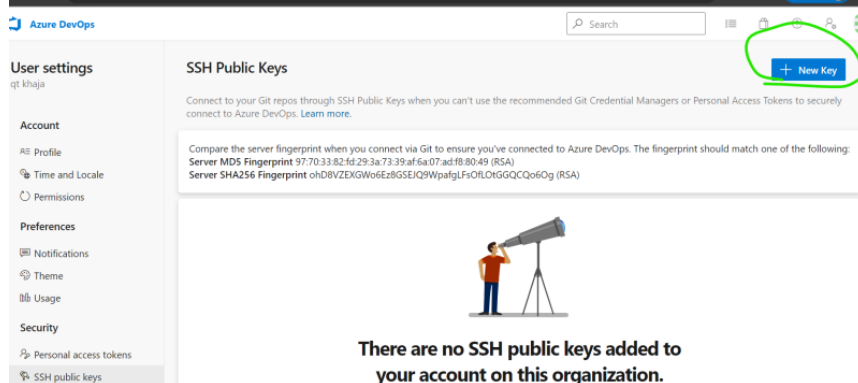
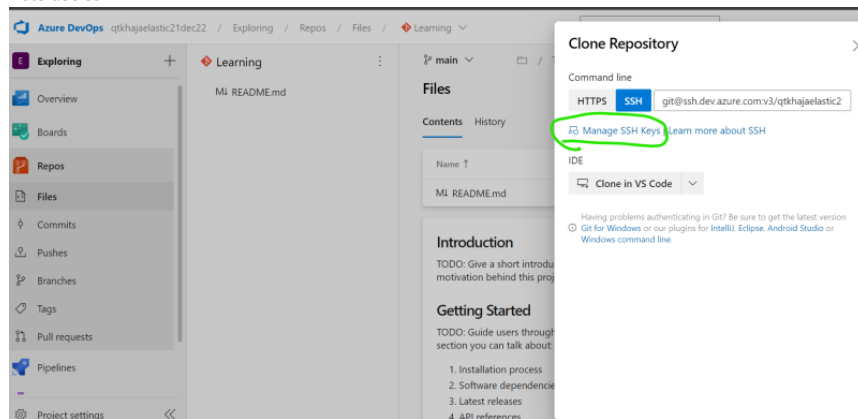
- Create a Repository in Azure Repos

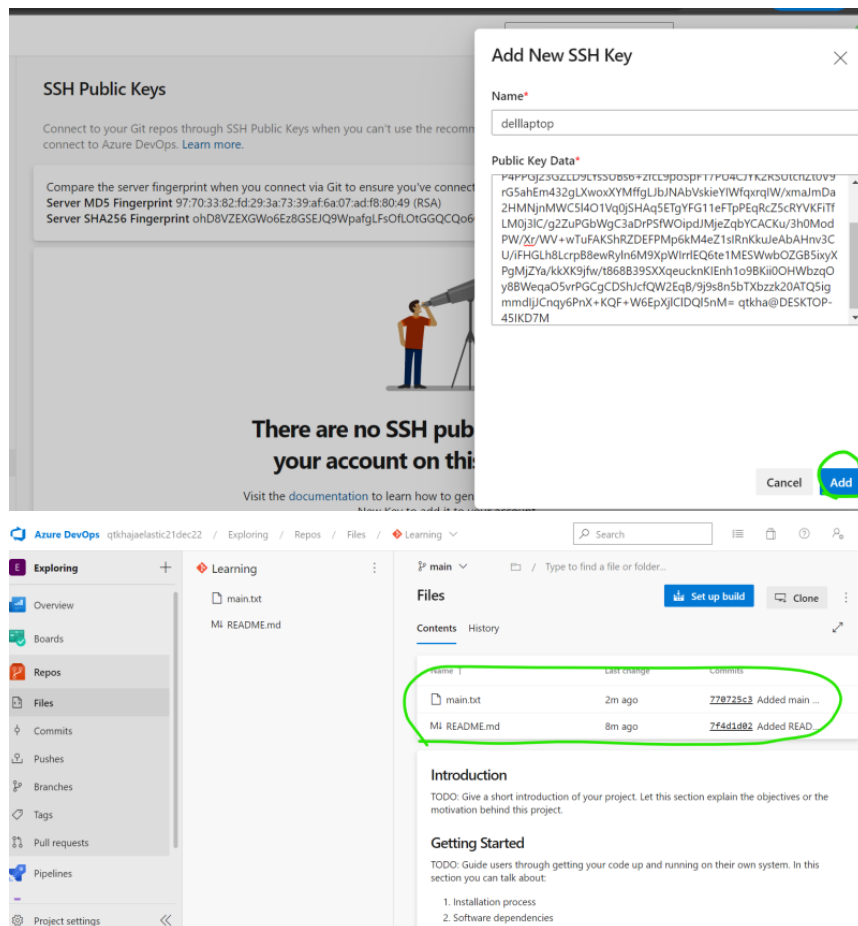


- Now for https url generate git credentials



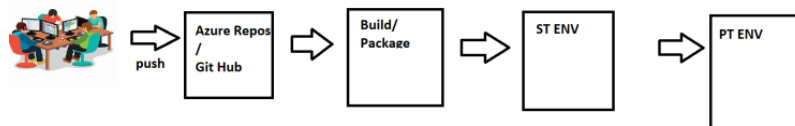
- Lets use ssh





## Azure Pipelines

- This is service where we create CI/CD Pipelines
- Basic CD pipeline



- Azure Pipelines can be created in two ways
  - Classic Editor:
    - This is a visual way to create Pipelines
    - History is not maintained
  - YAML (azure-pipelines.yaml):
    - This is pipeline as a code approach
    - Any change made into pipeline is maintained in git repository as commit/history
    - To have a different pipeline per branch

## Manual Process for Building a Java Application

- The applications is hosted at [Refer Here](#)
- Clone the code
- Ensure Java 8 is installed on the system
- Ensure Maven is installed on the system
- Execute the following command

```
cd game-of-life
mvn package
```

## Ways of Working

- Before creating a CI/CD pipeline, Ensure
  - you have all the manual steps
  - you have executed and verified if they are working

- Generally pipelines are executed on servers, To create these servers we will be using AWS/Azure Virtual Machines

## Cloud Accounts

- Azure: Create a Microsoft account and then create an Azure account [Refer Here](#)
- AWS: [Refer Here](#)
- YAML and JSON tutorial [Refer Here](#)

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