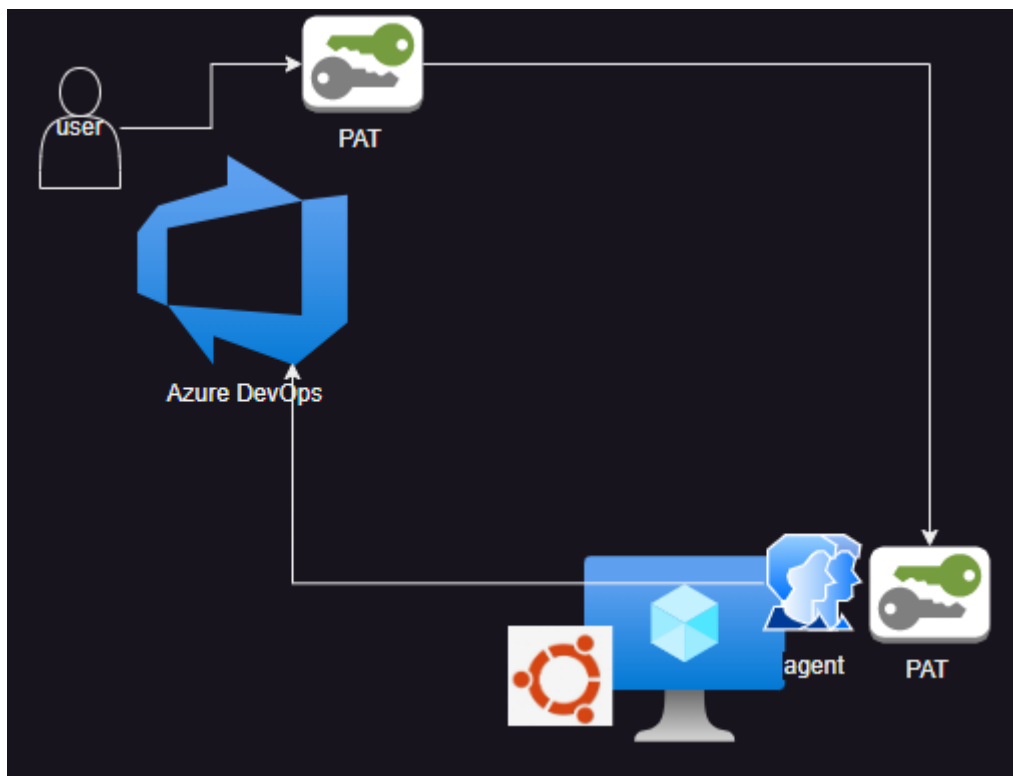


## Azure DevOps Self Hosted Agents

- Azure DevOps allows us to add self hosted agents.
- To add self hosted agent, we can use linux, windows, mac based systems.
- With user login, we can create Personal Access Token (PAT)
- On the System, install agent software and configure the access to the Azure DevOps with
  - Server url
  - PAT
- The Agents can be grouped by creating pools or adding them to Default Pool.
- one self hosted agent is free

### Configure a ubuntu linux instance as agent



- Overview
- Create a linux vm in aws/azure
- ssh into the instance
- Install
  - java 17
  - maven [Refer Here](#)

- Lets create a PAT

khajatech / classroom / Settings / Agent pools / Default

Search

Project Settings  
classroom

General

- Overview
- Teams
- Permissions
- Notifications
- Service hooks
- Dashboards

Boards

- Project configuration
- Team configuration
- GitHub connections

Default

Jobs Agents Details Security Approvals and checks Analytics

Add your first agent

Manage agents and run pipeline jobs on this pool.

New agent

- Preview features
- Profile
- Time and Locale
- Permissions
- Notifications
- Theme
- Usage
- Personal access tokens**
- SSH public keys

Search

Personal Access Tokens

These can be used instead of a password for applications like Git or can be passed in the authorization header to access REST APIs

+ New Token

Access scope: khajatech Status: Active

You do not have any personal access tokens yet.

+ New Token

**Personal Access Tokens**  
These can be used instead of a password for applying to APIs

### Create a new personal access token

Name

Organization


Expiration (UTC)


Scopes  
Authorize the scope of access associated with this token  
Scopes  Full access  
 Custom defined

Git or can be p

## Success!

You have successfully added a new personal access token. Copy the token now!  
agent1 token

zblzcfvhhgi4ze6wbny3ox 

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

[Close](#)

- Lets configure ado agent on the linux

The image shows two screenshots of the Azure DevOps interface. The top screenshot displays the 'classroom' project overview page. The left sidebar contains navigation options: Overview, Summary, Dashboards, Wiki, Boards, Repos, Pipelines, Test Plans, and Artifacts. The 'Project settings' option at the bottom of the sidebar is highlighted with a green box. The main content area shows 'About this project' with a description, 'Languages' (CSS, Java), and 'Project stats' (Repos: 0 Pull requests opened, Pipelines: 40%). The bottom screenshot shows the 'Project Settings' page for 'classroom'. The left sidebar lists various settings categories: General, Boards, Pipelines, and Agent pools. The 'Agent pools' option is highlighted with a green box. The main content area shows the 'Default' agent pool configuration page. The 'Agents' tab is selected and highlighted with a green box. The 'New agent' button is highlighted with a green box. The 'Update all agents' button is also visible.

- Now lets run spring petclinic by changing `pool`

azure DevOps khajatech / classroom / Pipelines / spring-petclinic.git

← spring-petclinic.git

Runs Branches Analytics

Description	Stages	Time
#20240721.4 • Update azure-pipelines.yaml for Azure Pipelines Manually triggered for <code>main</code> <code>7bd72245</code>	✓	Just now 48s
#20240721.3 • Update azure-pipelines.yaml for Azure Pipelines Manually triggered for <code>main</code> <code>7bd72245</code>	✓	5m ago 50s
#20240721.2 • Update azure-pipelines.yaml for Azure Pipelines Individual CI for <code>main</code> <code>7bd72245</code>	✓	5m ago 49s
#20240721.1 • Update azure-pipelines.yaml for Azure Pipelines Individual CI for <code>main</code> <code>285981b5</code>	✗	6m ago 11s
#20240719.4 • Update azure-pipelines.yaml for Azure Pipelines Individual CI for <code>main</code> <code>1d3a10e0</code>	✓	Friday 9m 58s
#20240719.3 • Update azure-pipelines.yaml for Azure Pipelines Manually triggered for <code>main</code> <code>1d3a10e0</code>	✗	Friday 3m 17s

Lets configure one more java project which uses jdk 8

- I will be using microsoft hosted agent
- Project repo [Refer Here](#)
- Lets import this into Azure Source Repos
- Create a maven based starter pipeline and execute

Exercise: (For those who know ansible)

- Install ansible on a self hosted agent
- have a ansible playbook in some git repo and execute the playbook locally

```
ansible-playbook -i 'localhost,' tomcat.yaml
```