**Step 1: Create the Ansible Playbook (install-nginx.yml)**

yaml

- name: Configure Azure VM

hosts: all

become: yes

tasks:

- name: Install Nginx

apt:

name: nginx

state: present

**Step 2: Create the Inventory File (hosts.ini)**

[web]

your-azure-vm-ip ansible\_user=azureuser ansible\_ssh\_private\_key\_file=~/.ssh/id\_rsa

Replace your-azure-vm-ip with the actual public IP of your Azure VM.

**Step 3: Create the Azure DevOps Pipeline File (azure-pipelines.yml)**

yaml

trigger:

- main

pool:

name: "Self-Hosted-Windows-Agent"

steps:

- task: PowerShell@2

displayName: "Install WSL and Ubuntu"

inputs:

targetType: 'inline'

script: |

wsl --install -d Ubuntu

wsl -d Ubuntu -- bash -c "sudo apt update && sudo apt install -y ansible"

- task: PowerShell@2

displayName: "Run Ansible Playbook"

inputs:

targetType: 'inline'

script: |

wsl -d Ubuntu -- bash -c "ansible-playbook -i hosts.ini install-nginx.yml"

**Step 4: Run the Pipeline in Azure DevOps**

1. Push your files (azure-pipelines.yml, install-nginx.yml, hosts.ini) to your repo.
2. Go to **Azure DevOps → Pipelines → New Pipeline**.
3. Select **Self-hosted Windows Agent Pool**.
4. Run the pipeline.