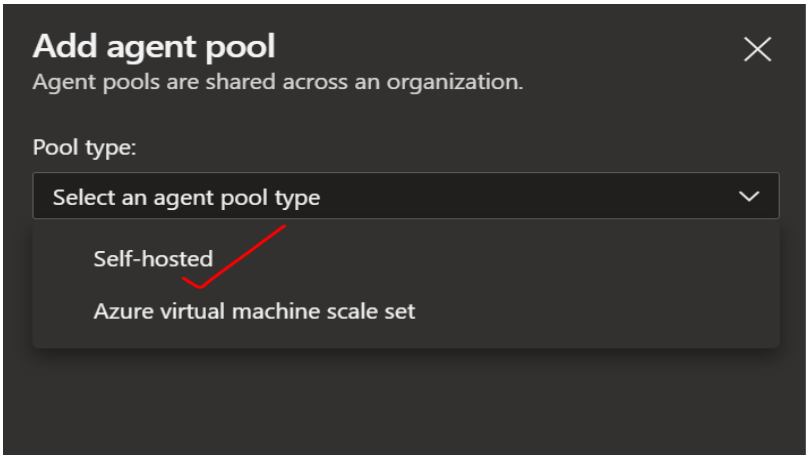
Azure Devops

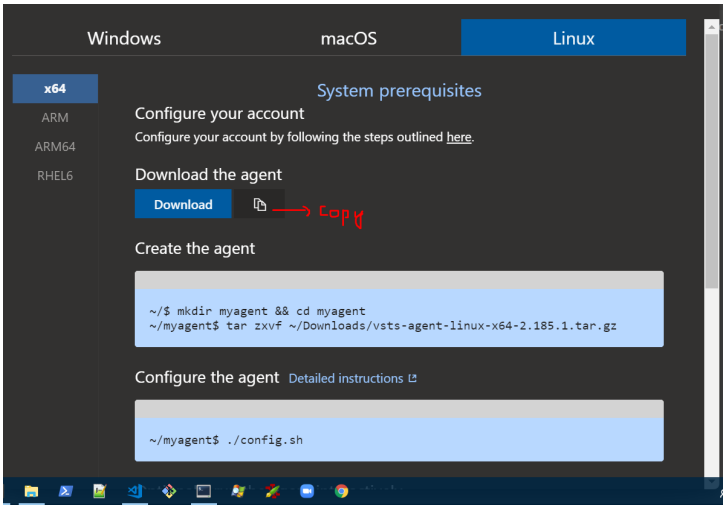
Self Hosted Agent:

Before you run a self hosted agent you need to create an Agent Pool. Head to your Azure DevOps organization URL and click ‘Organization Settings’ -> ‘Agent Pools’ -> ‘New Agent Pool’.



Once you have created a new Agent Pool you can Download the Agent Software by clicking ‘Download agent’ when viewing the Pool.

Choose your Operating System version and click ‘Download’ or ‘copy’



Create the agent:

Go to the vm, that you decided to add as self hosted agent e.g [azseababa013h]

Create dedicated directory:

cd /data1

mkdir azure-devops

cd azure-devops

wget < paste the copied url to download agent package >

E.g:

wget https://vstsagentpackage.azureedge.net/agent/2.185.1/vsts-agent-linux-x64-2.185.1.tar.gz

#untar

tar zxvf ~/Downloads/vsts-agent-linux-x64-2.185.1.tar.gz

Configure the agent:

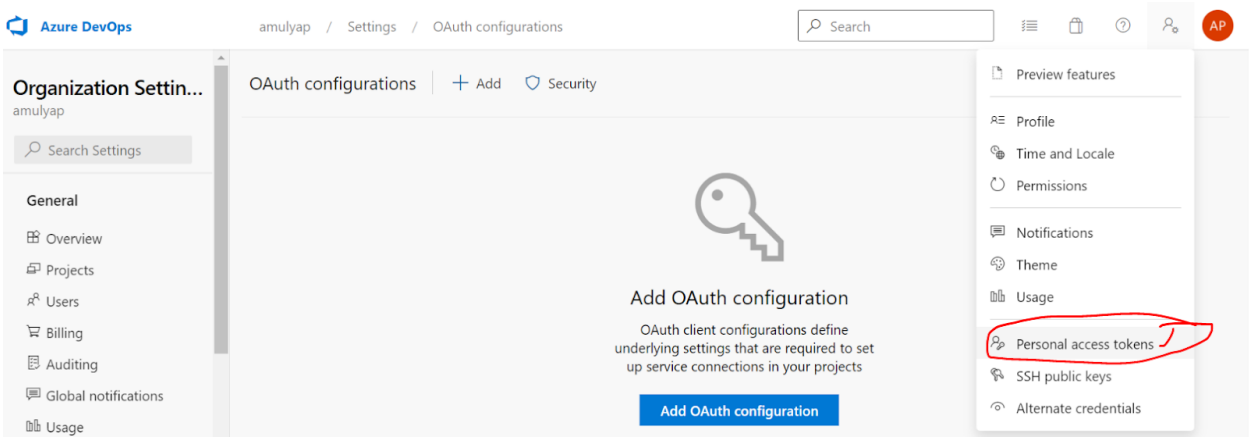
After untar run config.sh

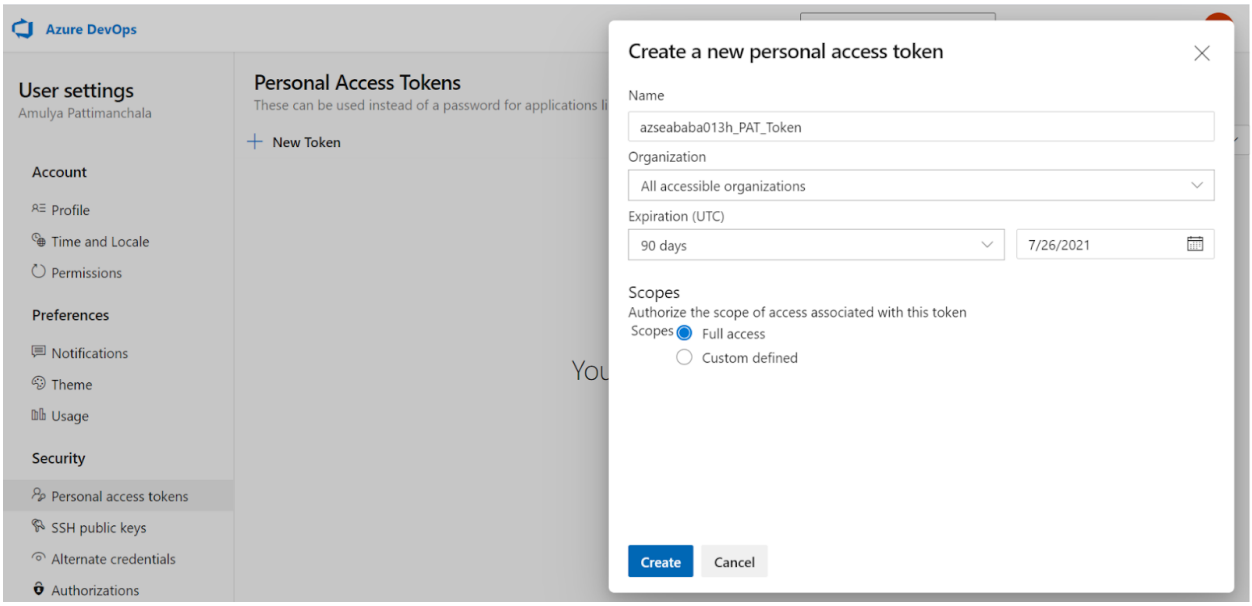
./config.sh

Configuration requires PAT for authentication, we can generate it from azure devops

Azure devops organisation url [http://dev.azure.com/amulyap] ,

Work folder location [/data1/azure_devops]



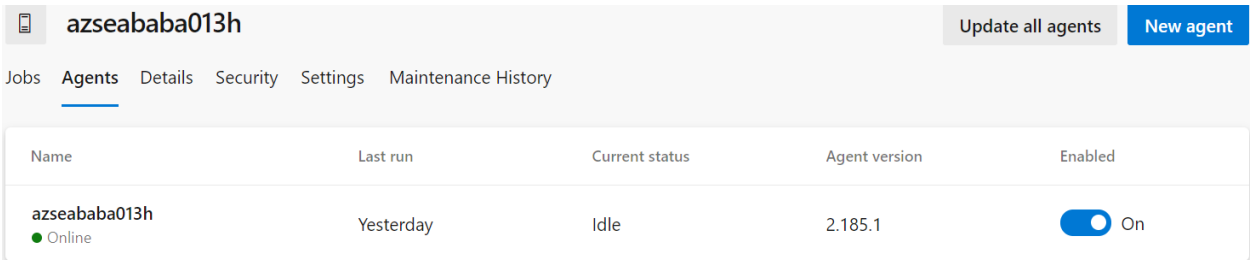


Run the agent:

Now the configuration has been generated you can start the agent.

./run.sh [nohup ./run.sh]

You will see the agent has started listening for jobs and the agent shows as available in your Azure DevOps Pool in the Web UI.



To check diagnostics logs:

Login to the agent: /data1/essilor-amera-devops/_diag

[Note: Pipeline diagnostics logs only available in the agent if it is enabled at the pipeline Run Stage]

Single agent access across multiple organization:

1) Create another work directory in the same agent
2) Copy the agent client packages into the newly created work directory
3) Configure agent with new agent pool and agent name
4) Finally Run it

References:

Setup Video: https://www.youtube.com/watch?v=psa8xfJ0-zI

Setup Blog: https://docs.devart.com/devops-automation-for-sql-server/walkthrough/create-configure-azuredevops-pipelines%20agent.html

Agent details: https://docs.microsoft.com/en-us/azure/devops/pipelines/agents/agents?view=azure-devops&tabs=browser#view-agent-details

PAT Token: https://docs.microsoft.com/en-in/azure/devops/organizations/accounts/use-personal-access-tokens-to-authenticate?view=azure-devops&tabs=preview-page#create-a-pat

Re-configure agent: https://docs.microsoft.com/en-us/azure/devops/pipelines/agents/v2-linux?view=azure-devops#remove-and-re-configure-an-agent

Diagnostics: https://docs.microsoft.com/en-us/azure/devops/pipelines/agents/v2-linux?view=azure-devops#diagnostics