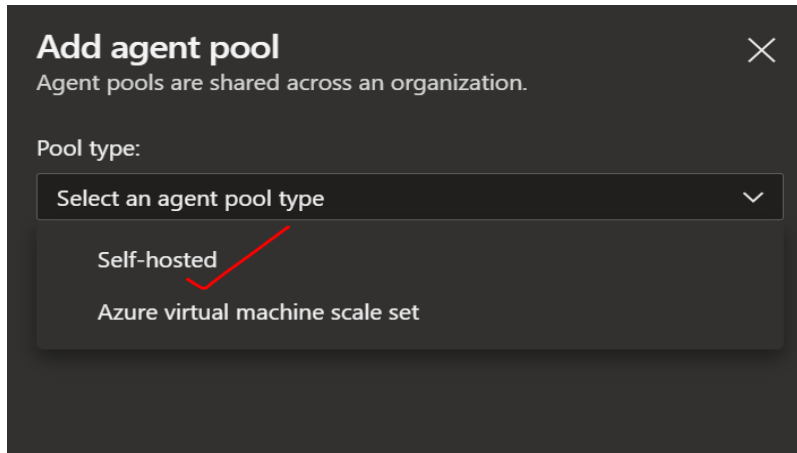


# Azure Devops

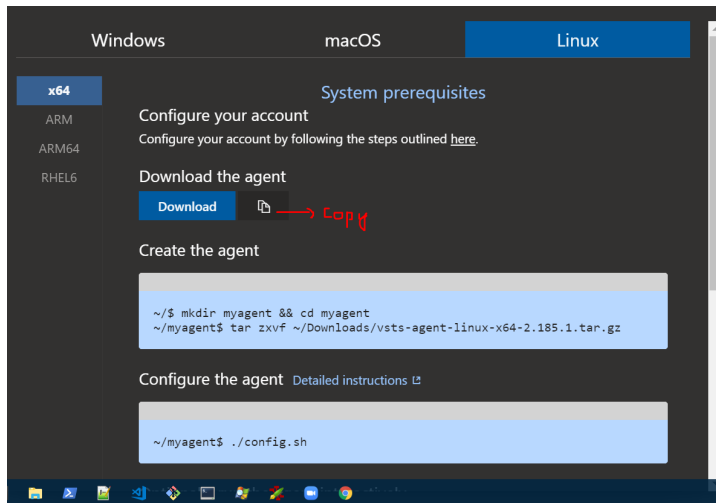
## Self Hosted Agent:

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> ],

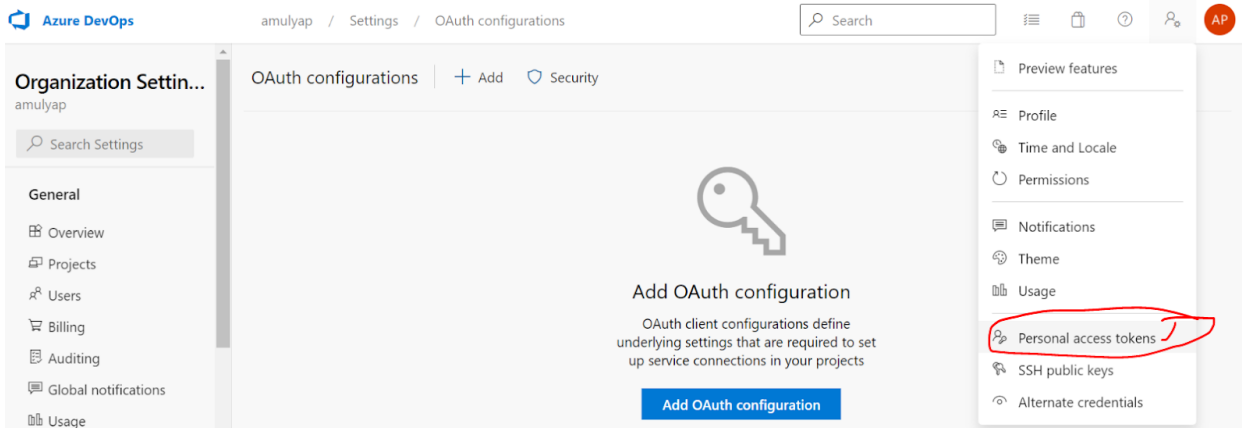
Work folder location [ /data1/azure\_devops]

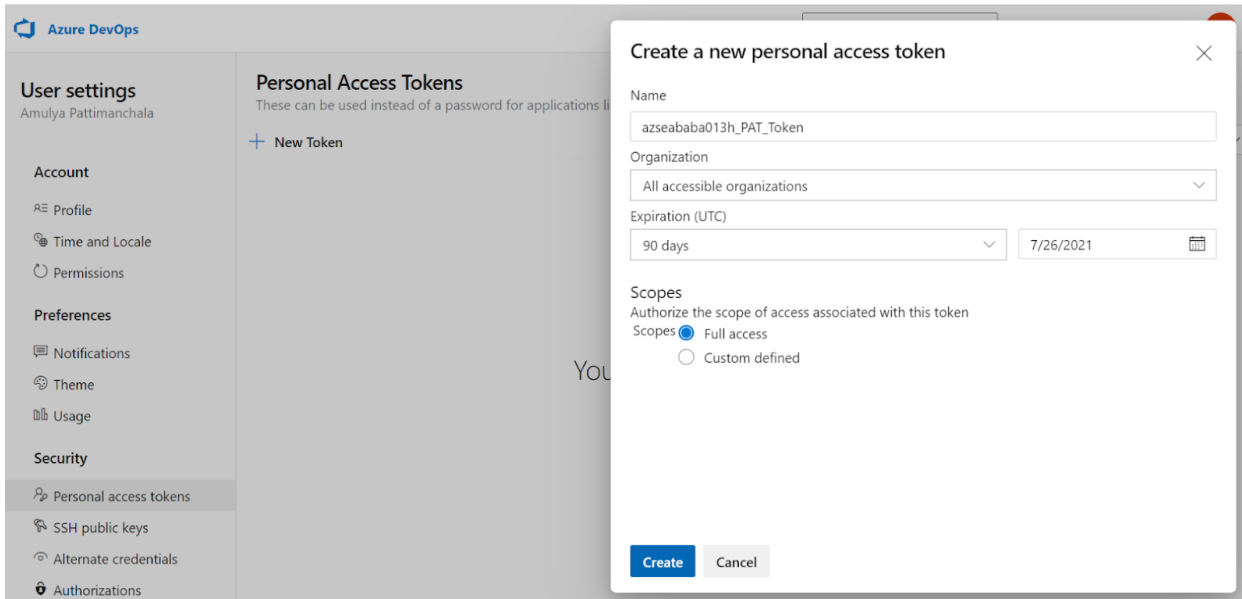
```
Azure Pipelines
agent v2.185.1 (commit 45c52d0)

>> End User License Agreements:
Building sources from a TFVC repository requires accepting the Team Explorer Everywhere End User License Agreement. This step is not required for building sources from Git repositories.
A copy of the Team Explorer Everywhere license agreement can be found at:
/datal/azure_devops/externals/tee/license.html
Enter (Y/N) Accept the Team Explorer Everywhere license agreement now? (press enter for N) > Y

>> Connect:
Enter server URL > https://dev.azure.com/amulyap/
Enter authentication type (press enter for PAT) >
Enter personal access token > *****
Connecting to server ...

>> Register Agent:
Enter agent pool (press enter for default) > azseababa013h
Enter agent name (press enter for azseababa013h) > azseababa013h
Scanning for tool capabilities.
Connecting to the server.
Successfully added the agent
Testing agent connection.
Enter work folder (press enter for _work) > /data1/azure_devops
Enter Perform an unzip for tasks for each step. (press enter for N) >
2021-04-27 09:03:43: Settings Saved.
[azm@azseababa013h ~]$
```





### 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.

azseababa013h					Update all agents	New agent
Jobs Agents Details Security Settings Maintenance History						
Name	Last run	Current status	Agent version	Enabled		
azseababa013h ● Online	Yesterday	Idle	2.185.1	<input checked="" type="checkbox"/> On		

### 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>