

Azure Agent Installation

Objective:

This document has the Steps to install the self hosted azure agent on On-premise server

Environment: Windows (DB Hosts)

Pre work

Step 1) Download the azure agent <https://vstsagentpackage.azureedge.net/agent/2.213.2/vsts-agent-linux-x64-2.214.1.tar.gz>; from internet.
(Note : download the latest agent)

Step 2) Create the directory in the server

Environment Agent Folder Structure : (D:\env-azagent\A1)

Deployment Group Folder Structure: (D:\azagent\A1)

Step 3) Copy the downloaded agent into D:\vsts-agent and extract into D:\env-azagent\A1 or (D:\azagent\A1)

Step 4) Open windows powershell in admin mode, and go to the directory D:\env-azagent\A1 or (D:\azagent\A1)

Deployment Group Configuration

Step 5) Run the below command to register the agent as deployment group and run as service.

```
.\config.cmd --deploymentgroup --deploymentgroupname "TAL.CLM.Nelson-CLM.WCF.SYS" --agent $env:COMPUTERNAME --runasservice --work '_work' --url 'https://dev.azure.com/TALContinuousDelivery/' --projectname 'TAL.CLM.Nelson' --auth PAT --token XXXXXXXXX
```

Environment Configuration

Step 5) Run the below command to register the agent as Environment and run as service.

```
.\config.cmd --environment --environmentname "DVLP_DB376" --agent $env:COMPUTERNAME --runasservice --work '_work' --url 'https://dev.azure.com/TALContinuousDelivery/' --projectname 'TAL.CLM.Nelson' --auth PAT --token XXXX;
```

Note : PAT token needs to be generated at the time of installation

Note : Environment Name/ Deployment Group will be differed based on the environment.

Step 6) System will prompt for the below command

a) Enter deployment group tags for agent? (Y/N) (press enter for N) > N

Please enter N if you dont have any tags, or enter tags like dev, sys, uat, prod according to the environment

b) Enter User Account to use the service (NT Authority/SYSTEM) >

```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

PS C:\Windows\system32> cd D:\azagent\AI
PS D:\azagent\AI> .\config.cmd --deploymentgroup --deploymentgroupname "TAL.CLM.Helson-CLM.WCF.SYS" --agent $env:COMPUTERNAME --runasservice --work ' _work' --url 'https://dev.azure.com/TALC
ontinuousDelivery/' --projectname 'TAL.CLM.Helson' --auth PAT --token i2pmpir6ilvzdfdytpsn12cyurhwm6lti6xaybprkauwibkea
Error reported in diagnostic logs. Please examine the log for more details.
- D:\azagent\AI\diag\Agent_20230118-035722-utc.log
Unrecognized command-line input arguments: 'auth'. For usage refer to: .\config.cmd --help or ./config.sh --help

AZURE PIPELINES
agent v2.214.1 (commit 4234141)

>> Connect:
Enter authentication type (press enter for PAT) >
Connecting to server ...

>> Register Agent:
Scanning for tool capabilities.
Connecting to the server.
Enter deployment group tags for agent? (Y/N) (press enter for N) > N
Successfully added the agent
Testing agent connection.
2023-01-18 03:57:59Z: Settings Saved.
Enter enable SERVICE_SID_TYPE UNRESTRICTED for agent service (Y/N) (press enter for N) > N
Enter User account to use for the service (press enter for NT AUTHORITY\SYSTEM) >
Granting file permissions to 'NT AUTHORITY\SYSTEM'.
Service vstsagent.TALContinuousDelivery.CLM.WCF.SYS.DC1SYS180 successfully installed
Service vstsagent.TALContinuousDelivery.CLM.WCF.SYS.DC1SYS180 successfully set recovery option
Service vstsagent.TALContinuousDelivery.CLM.WCF.SYS.DC1SYS180 successfully set to delayed auto start
Service vstsagent.TALContinuousDelivery.CLM.WCF.SYS.DC1SYS180 successfully configured
Enter whether to prevent service starting immediately after configuration is finished? (Y/N) (press enter for N) > Y
PS D:\azagent\AI>
```

Step 7) Windows - Change the system services owner permission for the azure pipeline service to below users based on environment

tower\sa_akeso_app_dev - DVL

tower\sa_akeso_app_sys - SYS

tower\sa_akeso_app_uat - UAT

tower\sa_akeso_app_prod - PROD

Environment : Linux

Deployment Group Configuration (for ALL akeso Unix hosts)

Agent was downloaded for this location <https://vstsagentpackage.azureedge.net/agent/2.204.0/vsts-agent-linux-x64-2.204.0.tar.gz>

```
tar -zxvf vsts-agent-linux-x64-2.204.0.tar.gz
```

```
./config.sh --deploymentpool --deploymentpoolname "TAL.NLN.DEV" --acceptteeeula --agent $HOSTNAME --url https://dev.azure.com/TALContinuousDelivery/ --Auth PAT --token XXXX --work _work
```

```
sudo ./svc.sh install;
```

```
sudo ./svc.sh start;
```

Note : PAT token needs to be generated at the time of installation

Note : Environment Name/ Deployment pool name will be differed based on the environment.

Environment Configuration (other - for reference ONLY)

```
mkdir azagent_dvlp;
```

```
cd azagent_dvlp;
```

```
curl -fkSL -o vstsagent.tar.gz https://vstsagentpackage.azureedge.net/agent/2.213.2/vsts-agent-linux-x64-2.213.2.tar.gz;
```

```
tar -zxvf vstsagent.tar.gz;
```

```
sudo ./installdependencies.sh
```

```
if [ -x "$(command -v systemctl)" ]; then ./config.sh --environment --environmentname "DVLP" --acceptteeula --agent $HOSTNAME --url https://dev.azure.com/TALContinuousDelivery/ --work _work --projectname 'TAL.CLM.Nelson' --auth PAT --token xxxx --runasservice; sudo ./svc.sh install; sudo ./svc.sh start; else ./config.sh --environment --environmentname "DVLP" --acceptteeula --agent $HOSTNAME --url https://dev.azure.com/TALContinuousDelivery/ --work _work --projectname 'TAL.CLM.Nelson' --auth PAT --token xxxx; ./run.sh; fi
```

Note : PAT token needs to be generated at the time of installation

Note : Environment Name/ Deployment pool name

Step 7: Final Outcome

Deployment Group:

TAL.CLM.Nelson

Overview

Boards

Repos

Pipelines

Pipelines

Environments

Deployment groups > TAL.CLM.Nelson-CLM.WCF.SYS 1 Healthy

DetailsTargetsSaveShareSecurityHelp

Healthy (1)

Summary

Tags

DC1SYS180

No deployments yet

Add tags

Environment:

TAL.CLM.Nelson

Overview

Boards

Repos

Pipelines

Environments New environment

Environment	Status	Last activity
DVLP	✓ #20221216.3 on TEST-Environment-Pipelin	2h ago