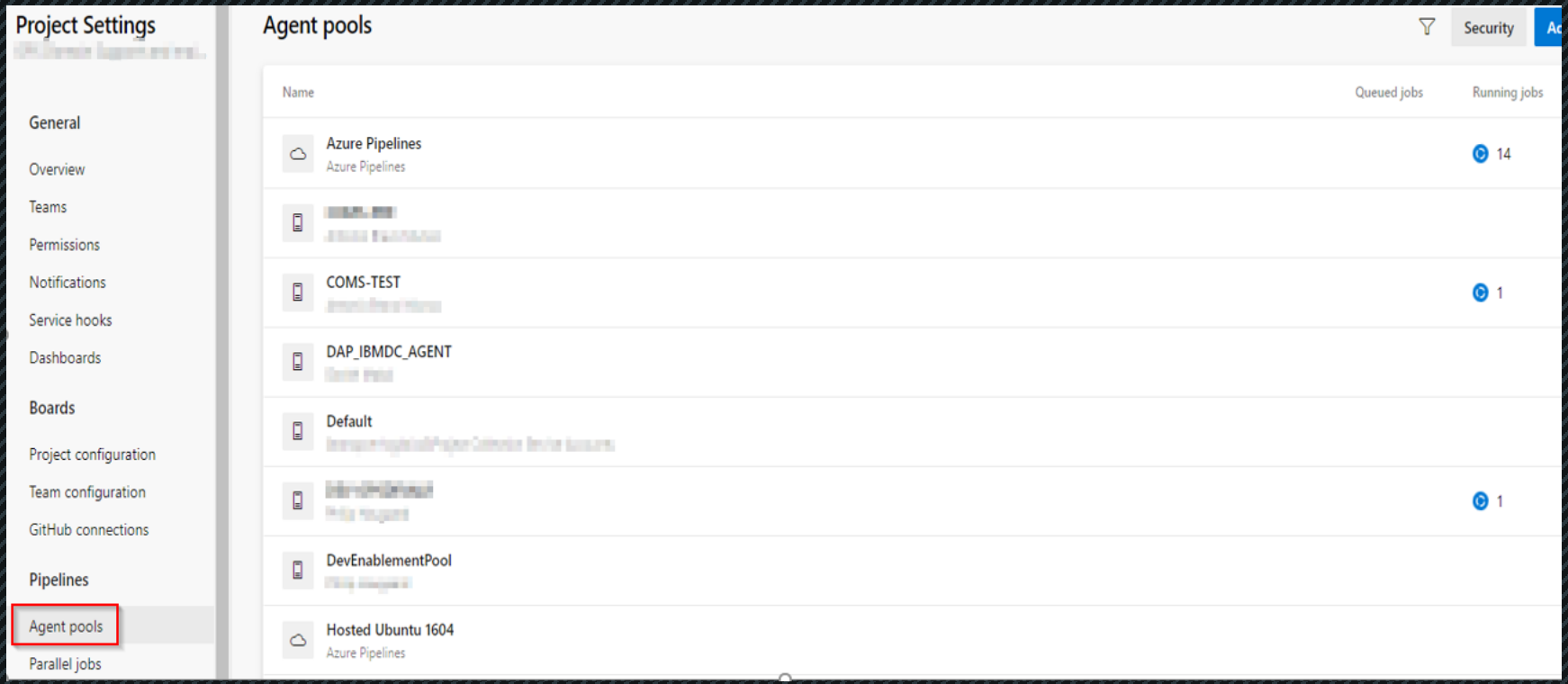
DevOps on Premise
Self-Hosted Agent

Arguments

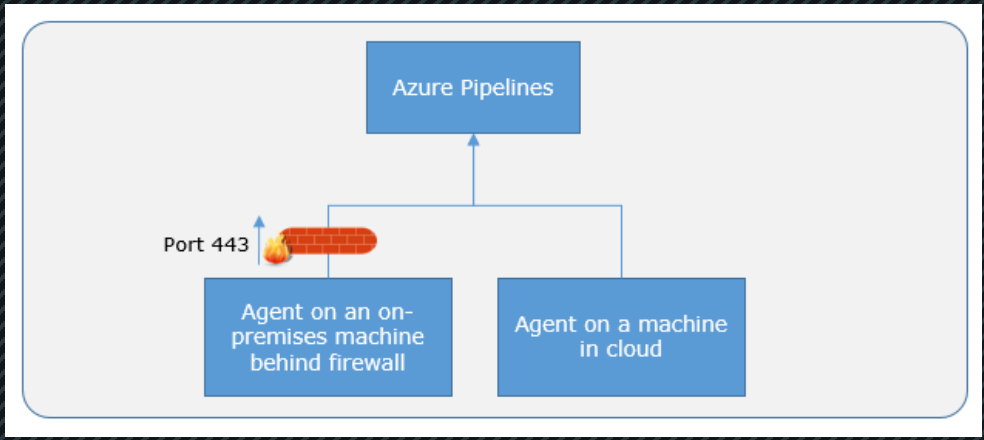
- 1.- Deployment frequency will go up
- 2.- Improve response to business needs
- 3.- Get code quality evaluation (Sonarqube,SonarCloud) vulnerabilities report (WhiteSource Bolt[Free]), UnitTest
- 4.- Approvals for propagation
- 5.- Setup time frame for deployments
- 6.- More time for experimentation

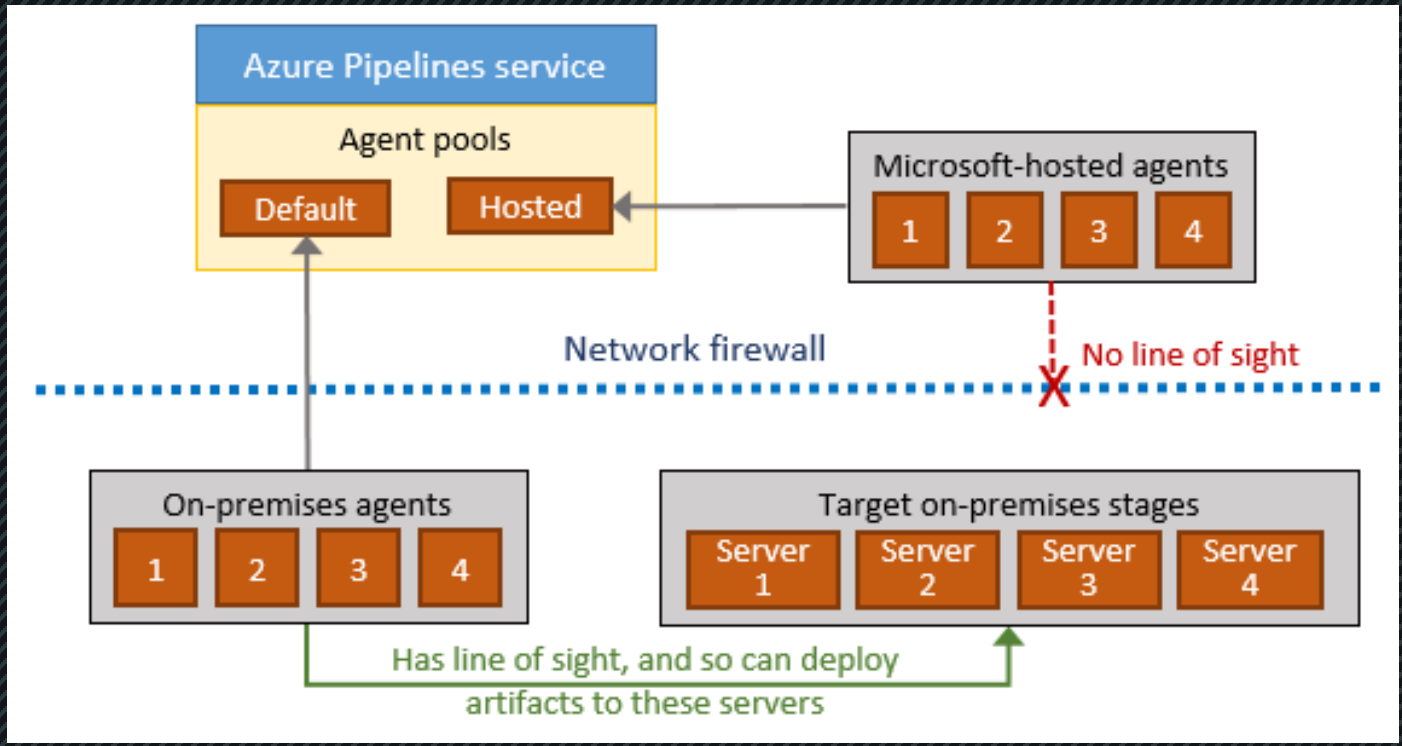
Agent Pools

- Project Settings ->Agent Pools



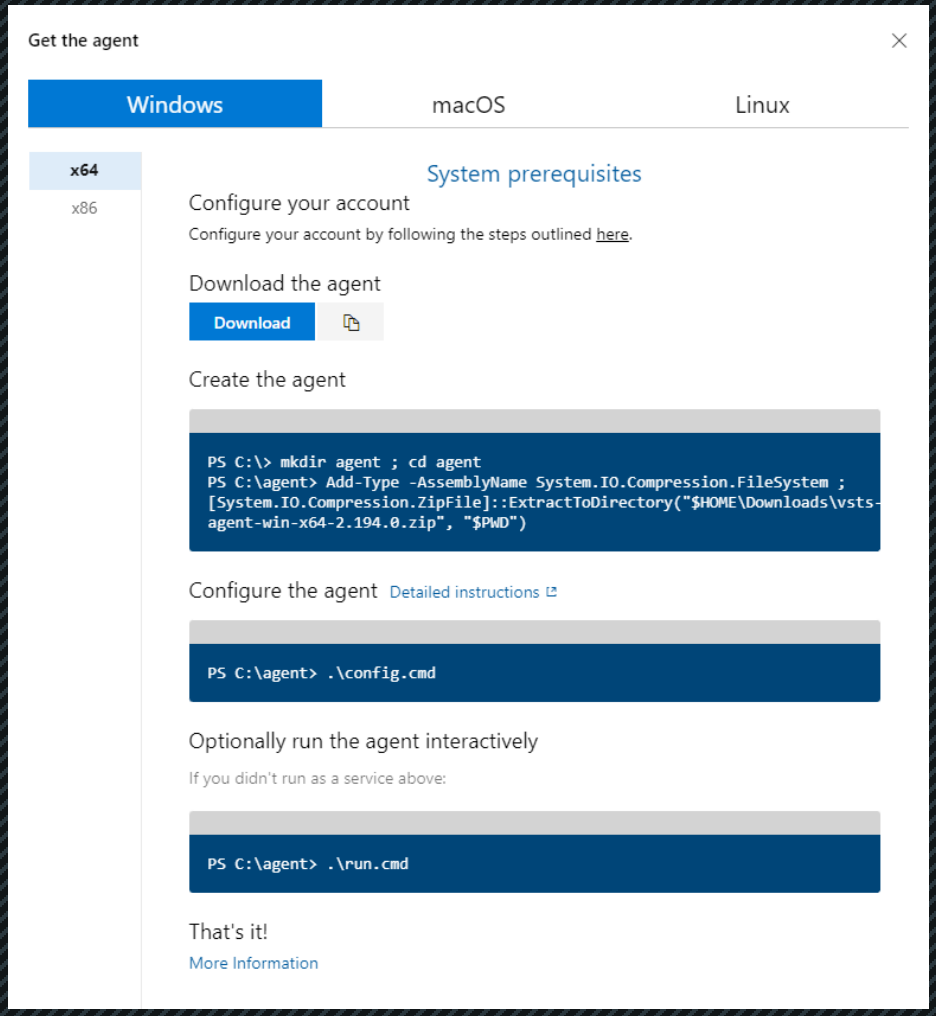
Agent Pools





Agent Pools

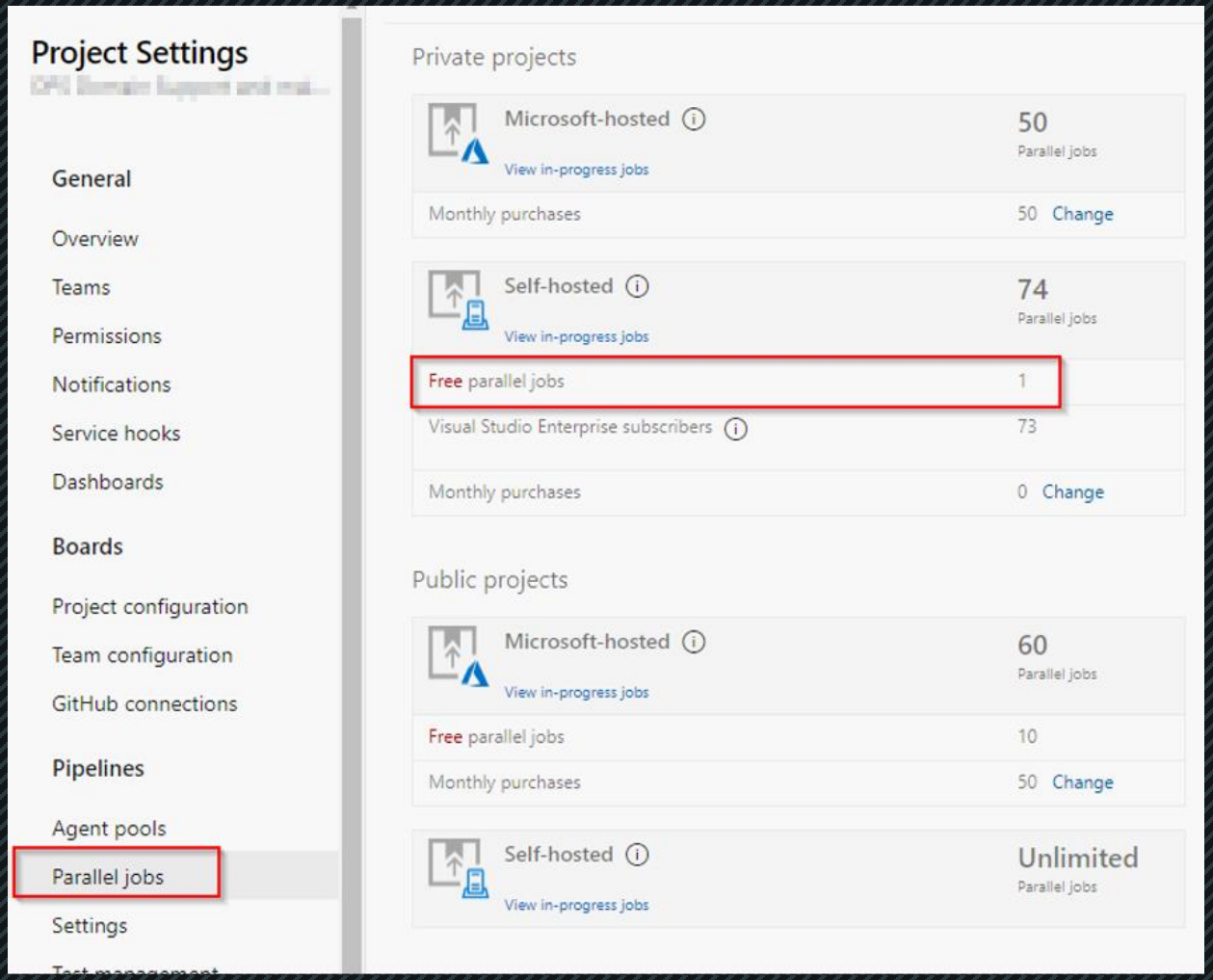
- Demo Create Pool + Agent



PS C:\agent> .\config.cmd --proxyurl http://10.0.11.1:9400

Parallel Jobs

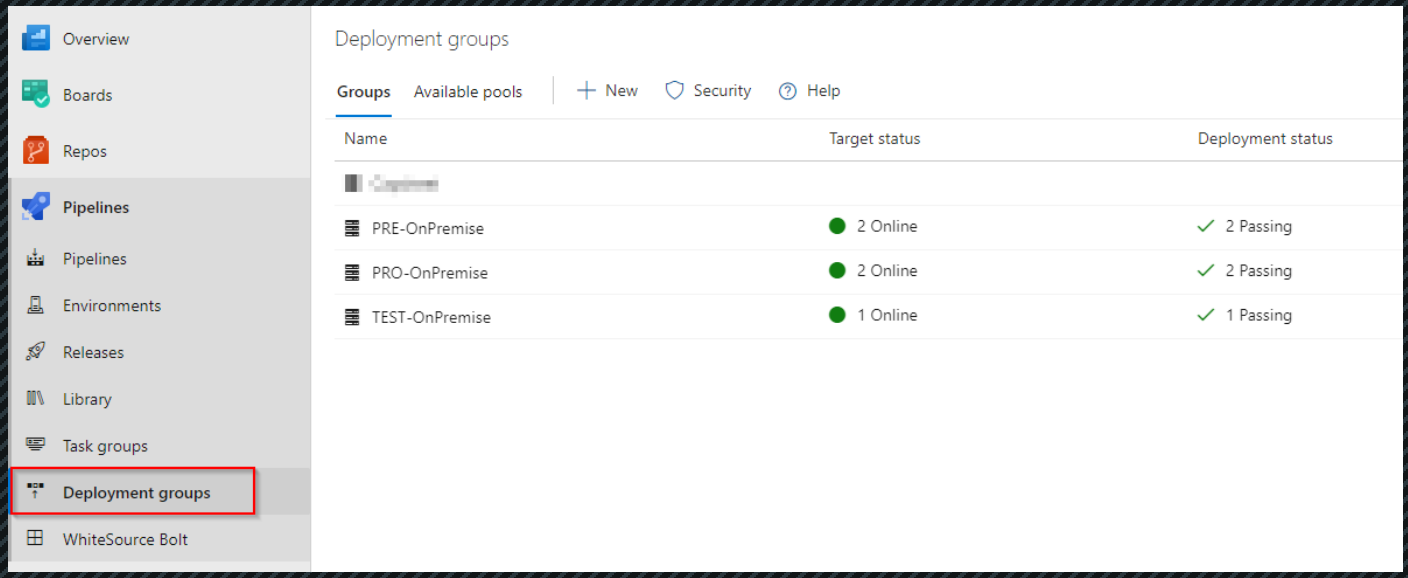
- Parallel jobs -> 1 free for Private Repo in ADO (Azure DevOps)
- GitHub allows parallel jobs but just 1000 min in Linux, 500 min in Windows, 250 in Mac per month



Deployment Groups

- Deployment Groups -> Demo Agent part of DG
- Demo show Targets, Summary, tags and register a new one

(1 folder per agent, PAT(just for register), Manage DG multiple projects)



PS C:\Agent_Deployment>.\config.cmd --proxyurl http://10.0.11.1:9400 --deploymentgroup --deploymentgroupname “<YourGroup-OnPremise>" --agent $env:COMPUTERNAME --runasservice --work '_work' --url 'https://<company>.visualstudio.com/' --projectname ‘<YourProject Name>' --auth PAT --token <YourToken>;

Pipeline and SQL DB

1. DB Snapshot
2. DB Project, static data, JOBs, Security, etc…

Thank you

Q & A

Links

1. Azure Pipelines agents
   https://bit.ly/3mKyng3
2. MS SQL Server Data-Tier Application Framework (17.1 DacFx)
   https://www.microsoft.com/en-us/download/details.aspx?id=55255
3. dbatools – PS Module automate SQL task
   https://dbatools.io/offline/
4. Demo Code & Slides
   https://github.com/antonio-bravo/CoP