

Deployment dos recursos em Azure com ARM template: <http://bit.ly/2MoEGFN>

## Create a Deployment Group

Azure DevOps

Selenium / Pipelines / Deployment groups

Deployment groups

Groups Available pools 4 + New Security Help

Add a deployment group

Define a logical group of target machines for parallel deployment.

Add a deployment group

Learn more about deployment groups

## Deployment groups > Selenium\*

Deployment group name

Selenium

Description

Create

Deployment groups > Selenium

Details Targets Save Share Security Help

Deployment group name

Selenium

Description

Deployment pool

Selenium-Selenium

Manage

Type of target to register:

Windows

System prerequisites

Registration script (PowerShell)

```
$ErrorActionPreference="Stop";If(-NOT ([Security.Principal.WindowsPrincipal]
[Security.Principal.WindowsIdentity]::GetCurrent() ).IsInRole(
[Security.Principal.WindowsBuiltInRole] "Administrator")){ throw "Run command in an
administrator PowerShell prompt";If($PSVersionTable.PSVersion -lt (New-Object
System.Version("3.0"))){ throw "The minimum version of Windows PowerShell that is required by
the script (3.0) does not match the currently running version of Windows PowerShell." };If(-NOT
(Test-Path $env:SystemDrive\vstsagent')){mkdir $env:SystemDrive\vstsagent'; cd
$env:SystemDrive\vstsagent'; for($i=1; $i -lt 100; $i++){ $destFolder="A"+$i.ToString();if(-NOT
(Test-Path $destFolder)){mkdir $destFolder;cd $destFolder;break;}};
$agentZip="$PWD\agent.zip";$DefaultProxy=
[System.Net.WebRequest]::DefaultWebProxy;$securityProtocol=@();$securityProtocol+=
[Net.ServicePointManager]::SecurityProtocol;$securityProtocol+=
[Net.SecurityProtocolType]::Tls12;
[Net.ServicePointManager]::SecurityProtocol=$securityProtocol;$WebClient=New-Object
Net.WebClient; $Uri="https://vstsagentpackage.azureedge.net/agent/2.140.0/vsts-agent-win-x64-
2.140.0.zip";if($DefaultProxy -and (-not $DefaultProxy.IsBypassed($Uri))){$WebClient.Proxy=
New-Object Net.WebProxy($DefaultProxy.GetProxy($Uri).OriginalString, $True);};
$WebClient.DownloadFile($Uri, $agentZip);Add-Type -AssemblyName
System.IO.Compression.FileSystem;[System.IO.Compression.ZipFile]::ExtractToDirectory(
$agentZip, "$PWD");.\config.cmd --deploymentgroup --deploymentgroupname "Selenium" --agent
$env:COMPUTERNAME --runasservice --work 'work' --url 'https://ossdemos.visualstudio.com/' --
projectname 'Selenium'; Remove-Item $agentZip;
```

☒ Use a personal access token in the script for authentication

☐ Copy script to the clipboard

☐ Run from an administrator PowerShell command prompt

## Associate the VM to Deployment Group

1. Login to the VM using [RDP](#) with the following credentials
  - **Username:** vmadmin
  - **Password:** P2ssw0rd@123
2. Open **Windows PowerShell** in **administrator** mode, paste the copied **Registration script** and hit **Enter**.

```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) 2016 Microsoft Corporation. All rights reserved.

PS C:\WINDOWS\system32> $ErrorActionPreference="Stop";If(-NOT ([Security.Principal.WindowsPrincipal][Security.Principal.WindowsIdentity]::GetCurrent()).IsInRole([Security.Principal.WindowsBuiltInRole] "Administrator")){ throw "Run command in Administrator PowerShell Prompt";};If(-NOT (Test-Path $env:SystemDrive\vstsagent)){mkdir $env:SystemDrive\vstsagent}; cd $env:SystemDrive\vstsagent; for($i=1; $i -lt 100; $i++){ $destFolder="A" + $i.ToString();if(-NOT (Test-Path ($destFolder))){mkdir $destFolder;cd $destFolder;break;}}; $agentZip= "$PWD\agent.zip";(New-Object Net.WebClient).DownloadFile('https://vstsagentpackage.azureedge.net/agent/2.126.0/vsts-agent-win-x64-2.126.0.zip', $agentZip);Add-Type -AssemblyName System.IO.Compression.FileSystem;[System.IO.Compression.ZipFile]::ExtractToDirectory($agentZip, "$PWD");.\config.cmd --deploymentgroup --deploymentgroupname "Selenium 1" --agent $env:COMPUTERNAME --runasservice --work "_work" --url 'https://visualstudio.com/' --projectname 'Selenium'; Remove-Item $agentZip;
```

1. When the **Enter deployment group tags for agent? (Y/N) (press enter for N) >** message is prompted in the PowerShell window, type **Y** and hit enter.

```
Windows PowerShell
Copyright (C) 2016 Microsoft Corporation. All rights reserved.

PS C:\Windows\system32> $ErrorActionPreference="Stop";If(-NOT ([Security.Principal.WindowsPrincipal][Security.Principal.WindowsIdentity]::GetCurrent()).IsInRole([Security.Principal.WindowsBuiltInRole] "Administrator")){ throw "Run command in Administrator PowerShell Prompt";};If(-NOT (Test-Path $env:SystemDrive\vstsagent)){mkdir $env:SystemDrive\vstsagent}; cd $env:SystemDrive\vstsagent; for($i=1; $i -lt 100; $i++){ $destFolder="A" + $i.ToString();if(-NOT (Test-Path ($destFolder))){mkdir $destFolder;cd $destFolder;break;}}; $agentZip= "$PWD\agent.zip";(New-Object Net.WebClient).DownloadFile('https://vstsagentpackage.azureedge.net/agent/2.126.0/vsts-agent-win-x64-2.126.0.zip', $agentZip);Add-Type -AssemblyName System.IO.Compression.FileSystem;[System.IO.Compression.ZipFile]::ExtractToDirectory($agentZip, "$PWD");.\config.cmd --deploymentgroup --deploymentgroupname "Deployment Group" --agent $env:COMPUTERNAME --runasservice --work "_work" --url 'https://visualstudio.com/' --projectname 'Deployment Group' --auth PAT --token [REDACTED]; Remove-Item $agentZip;
```

Mode	LastWriteTime	Length	Name
d-----	15-12-2017 10:50		vstsagent

Directory: C:\vstsagent

Mode	LastWriteTime	Length	Name
d-----	15-12-2017 10:50		A1

```
>> Connect:
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) > Y
```

2. Enter **web, db** for the tags

```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) 2016 Microsoft Corporation. All rights reserved.

PS C:\WINDOWS\system32> $ErrorActionPreference="Stop";If(-NOT ([Security.Principal.WindowsPrincipal][Security.Principal.WindowsIdentity]::GetCurrent()).IsInRole([Security.Principal.WindowsBuiltInRole] "Administrator")){ throw "Run command in Administrator PowerShell Prompt!";};If(-NOT (Test-Path $env:SystemDrive\vstsagent)){mkdir $env:SystemDrive\vstsagent};cd $env:SystemDrive\vstsagent;for($i=1; $i -lt 100; $i++){ $destFolder="A" + $i.ToString();if(-NOT (Test-Path $destFolder)){mkdir $destFolder;cd $destFolder;break;}}; $agentZip=$PWD\agent.zip;(New-Object Net.WebClient).DownloadFile("https://vstsagentpackage.azureedge.net/agent/2.126.0/vsts-agent-win-x64-2.126.0.zip", $agentZip);Add-Type -AssemblyName System.IO.Compression.FileSystem;[System.IO.Compression.ZipFile]::ExtractToDirectory($agentZip, $PWD);.\config.cmd --deploymentgroup --deploymentgroupname "Selenium 1" --agent $env:COMPUTERNAME --runasservice --work "_work" --url "https://dev.azure.com/your-visualstudio.com/" --projectname "Selenium"; Remove-Item $agentZip;

Directory: C:\

Mode                LastWriteTime         Length Name
----                -
d-----         12/15/2017   6:25 AM          vstsagent

Directory: C:\vstsagent

Mode                LastWriteTime         Length Name
----                -
d-----         12/15/2017   6:25 AM              A1

>> Connect:

Enter authentication type (press enter for PAT) >
Enter personal access token > *****
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) > Y
Enter Comma separated list of tags (e.g web, db) > web, db
Tags added successfully
Successfully added the agent
Testing agent connection.
2017-12-15 06:28:56Z: Settings Saved.
Enter User account to use for the service (press enter for NT AUTHORITY\SYSTEM) >
Granting file permissions to 'NT AUTHORITY\SYSTEM'.
Service vstsagent.vstsdemodata.VS2017WN10 successfully installed
Service vstsagent.vstsdemodata.VS2017WN10 successfully set recovery option
Service vstsagent.vstsdemodata.VS2017WN10 successfully configured
Service vstsagent.vstsdemodata.VS2017WN10 started successfully
```

- When prompt **-Enter User account to use for the service (press enter for NT AUTHORITY\SYSTEM) >** is displayed, hit **Enter** to configure the service to run under **NT AUTHORITY\SYSTEM** account.

```
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) > Y
Enter Comma separated list of tags (e.g web, db) > web, db
Tags added successfully
Successfully added the agent
Testing agent connection.
2017-12-15 11:51:56Z: Settings Saved.
Enter User account to use for the service (press enter for NT AUTHORITY\SYSTEM) > 
```

- Refresh the Azure DevOps Deployment Groups page you will notice that your Deployment group is online.

## Deployment groups

**Groups**

Available pools 4

+ New

Security

Help

Name

Target status



Selenium



1 Online