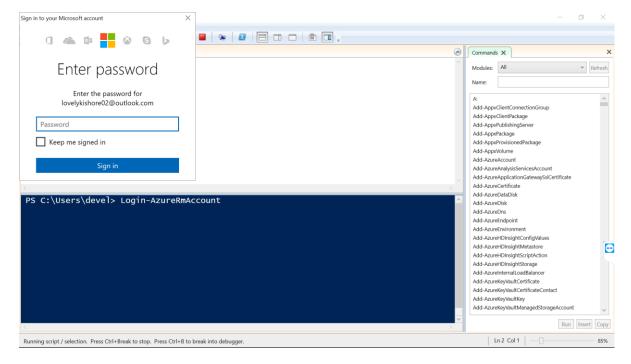
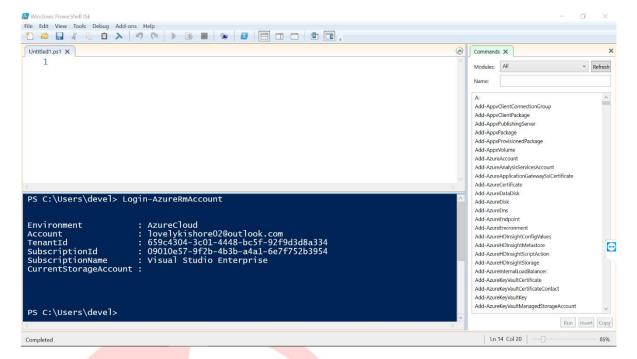
Objective:

The following exercise is all about the installation of **Windows Server 2016-Nano Server**. Open your PowerShell in the administrator privileges.

Step 1: Logging into Azure portal

- After opening PowerShell run the following command to login into your azure portal.
 Login-AzureRmAccount
- Now you will be prompted to enter your credentials. Enter them and login.





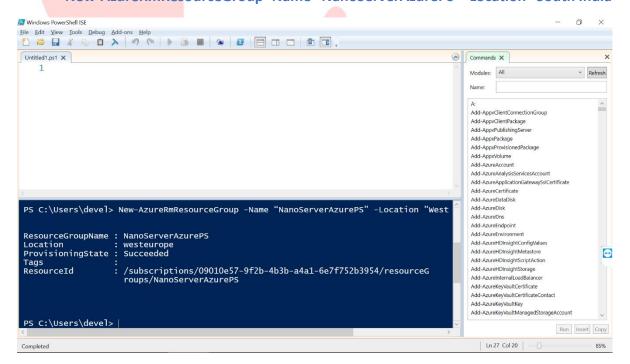
• The next step is to select the subscription. For selection of the subscription, run the following commands. Replace with the subscription name.

Select-AzureRmSubscription -SubscriptionName "Visual Studio Enterprise"

Step 2: Creation of Nano Server VM

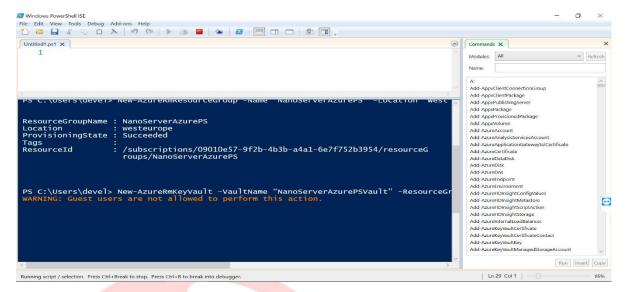
Now create a new resource group and in some location in the following code.

New-AzureRmResourceGroup -Name "NanoServerAzurePS" -Location "South India"

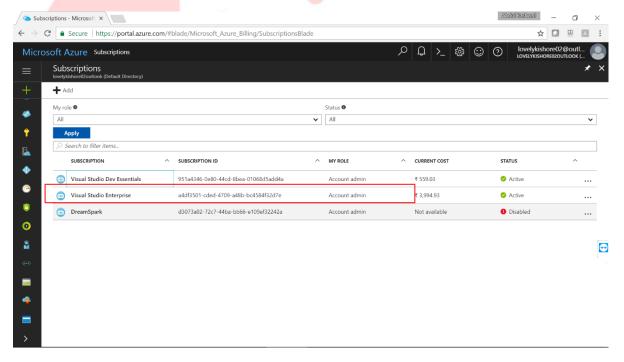


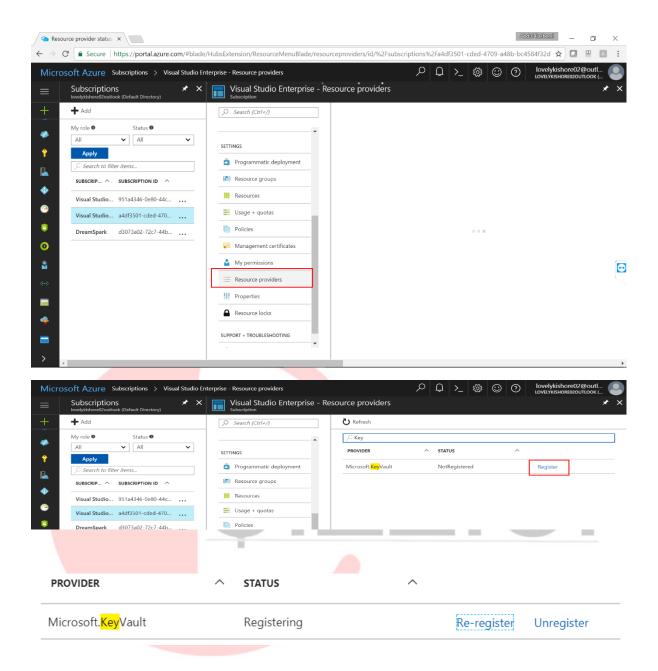
• The next step is the creation the key vault which will be used for managing your Nano Server. For creation of the Key Vault, execute the code.

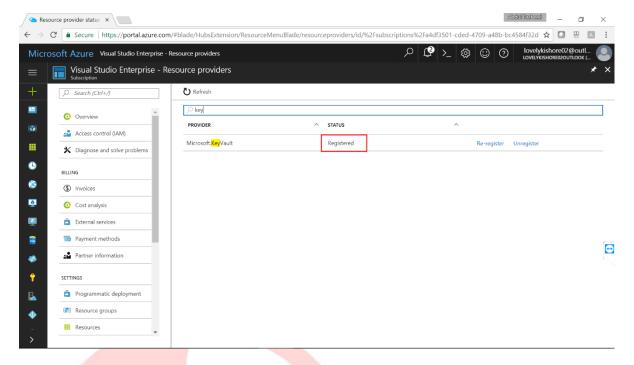
New-AzureRmKeyVault -VaultName "CwtKeyVault" -ResourceGroupName "NanoServerAzurePS" -Location "South India" -EnabledForDeployment



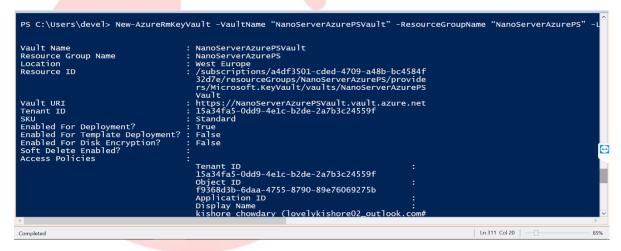
By default, the subscription will not have the access to work with the Vault Service.
 The screenshots below give the steps.



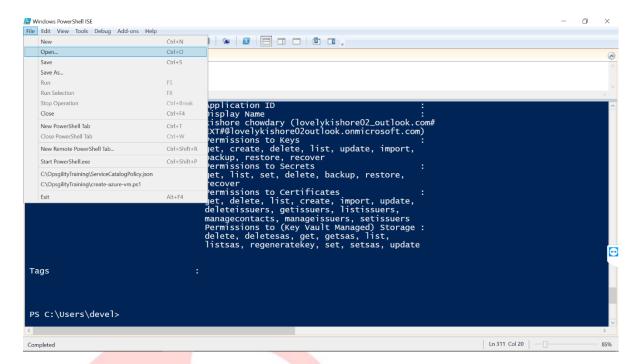




Once the Vault gets created, you will see something like this.



- Now the next step is to import some script that has given as some module. You can
 download it from the following link <u>Model Scripts</u>
- Paste the folder somewhere in your machine.
- Now we need to open the JSON template named NanoServerAzureHelper which consists of the script to create your Nano Server.



The next step is to run the command let

Import-Module

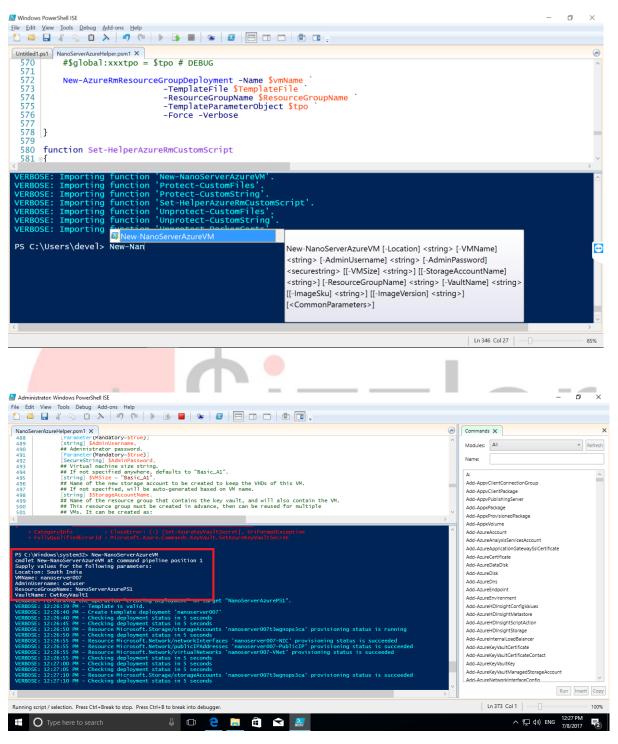
C:\NanoServerAzureHelper_20160927\NanoServerAzureHelper.psm1 - Verbose

Note: Replace the path with the path of the folder where you have pasted the model scripts.

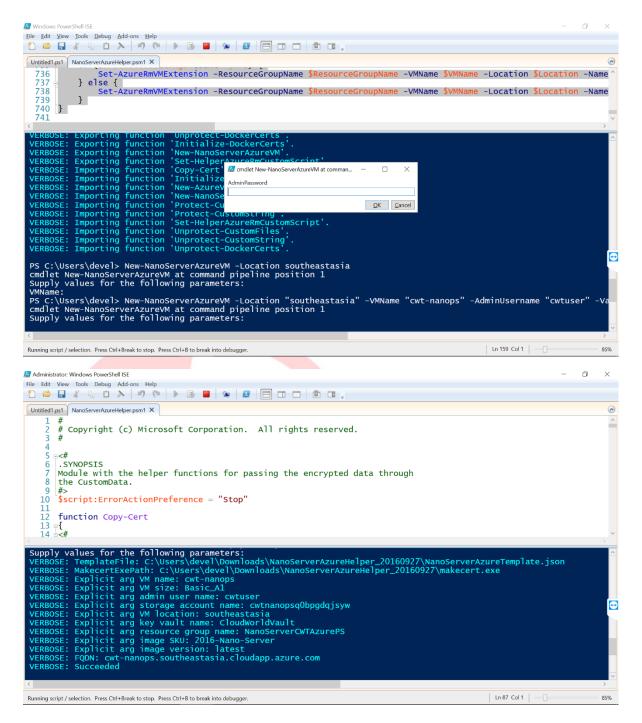
• Now we will be creating our VM. For that run, the following command.

New-NanoServerAzureVM

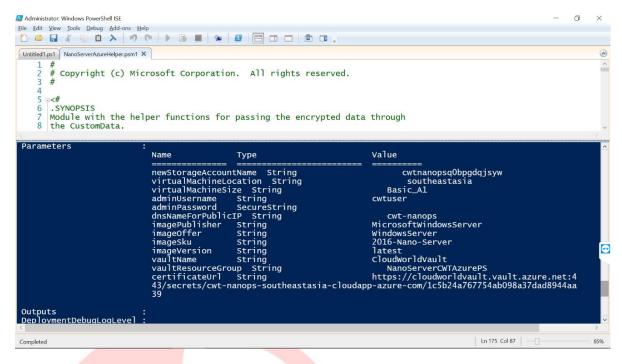
• Now you will be prompted to enter the **Loation**, **Rg name and Vault name**. Enter all the names which you created previously and hit enter.



• Now you will be prompted to enter the password. Enter a password with lower and upper-case letters with a length of 8 to 15 characters.



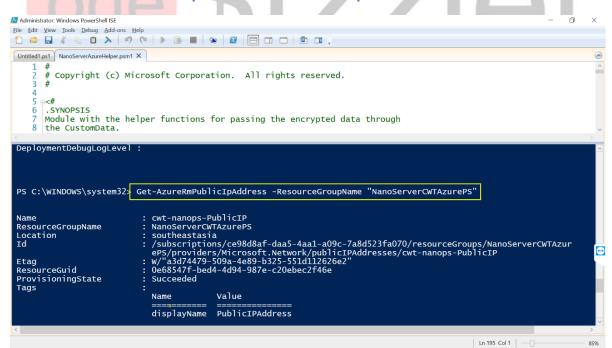
 You have to wait for some 5 to 10 minutes for your VM to get created. Once the VM gets created, you will get something like this.

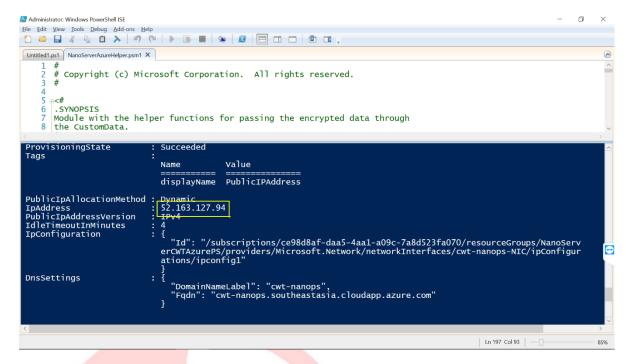


Step 3: Connecting with Nano Server Using PowerShell

• Now we need to get the **Public IP** address of our Nano Server. For that run this command.

Get-AzureRmPublicIpAddress -ResourceGroupName "NanoServerAzurePS"





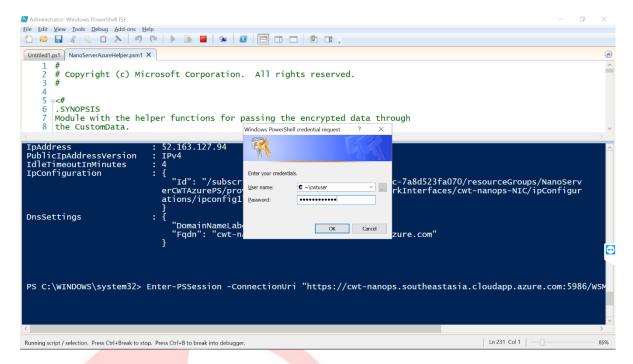
• Finally connect with your Nano Server using its domain name. You can find the Domain Name of the VM in the last line above image.

```
Enter-PSSession -ConnectionUri

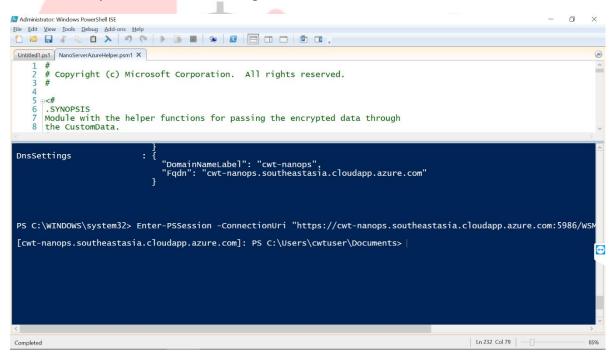
"https://nanoserver007.southindia.cloudapp.azure.com:5986/WSMAN" -
Credential "~\cwtuser"
```

Note: Replace the URI with your VM URI

```
Administrator: Windows PowerShell ISE
                                                                                                                                         n
File Edit View Tools Debug Add-o
Untitled1.ps1 NanoServerAzureHelper.psm1 X
        #
# Copyright (c) Microsoft Corporation. All rights reserved.
#
        .SYNOPSIS
        Module with the helper functions for passing the encrypted data through
       the CustomData.
                         52.163.127.94
IPv4
 oAddressVersion
eoutInMinutes
 guration
                         "Id": "/subscriptions/ce98d8af-daa5-4aa1-a09c-7a8d523fa070/resourceGroups/NanoServerCWTAzurePS/providers/Microsoft.Network/networkInterfaces/cwt-nanops-NIC/ipConfigurations/ipconfig1"
 ings
                           "DomainNameLabel": "cwt-nanops",
"Fqdn": "cwt-nanops.southeastasia.cloudapp.azure.com"
 LNDOWS\system32> Enter-PSSession -ConnectionUri "https://cwt-nanops.southeastasia.cloudapp.azure.com:5986/WSMAN" -Cr
```



This is how you create a **Nano Server VM** using the PowerShell script. You will be now able to connect with your Nano Server through PowerShell and work with it.



Reach us with the below details for queries:

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