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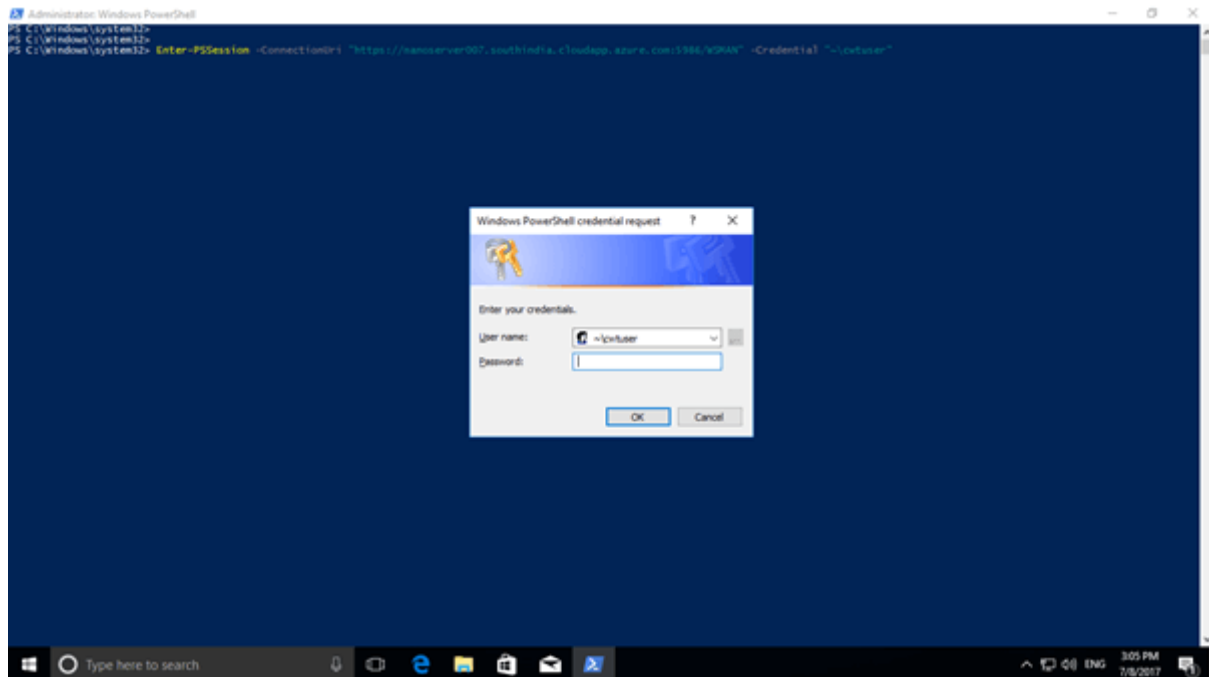
Installing Docker In Nano Server

By **Kishore Chowdary** on **Jul 31 2017**

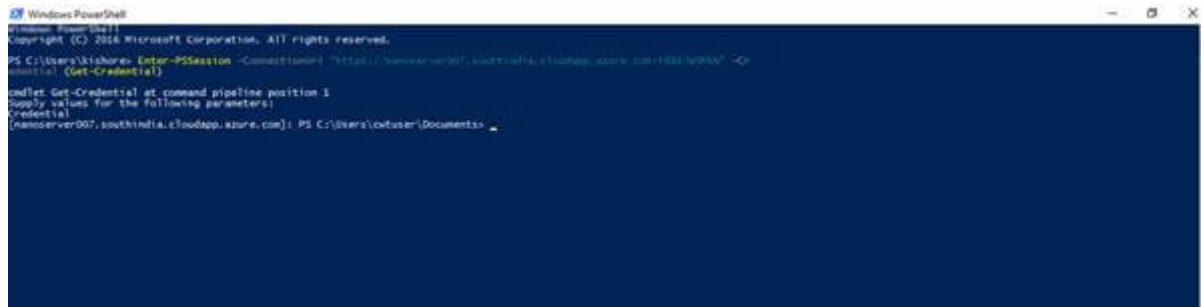
This is about the installation of the Docker in the Nano Server VM which has been created in my [previous article](#).

Step 1 Connecting to Nano Server using PowerShell

- Open PowerShell with administrator privileges. Run the following code to connect with the Nano Server.
Enter-PSSession -ConnectionUri "https://nanoserver007.southindia.cloudapp.azure.com:5986/WSMAN" -Credential (Get-Credential)
- This will ask you for the username and password of the Nano Server VM. Enter them and login.



- After logging in, you will be allowed to access the Nano Server using PowerShell. You will find some change like this.



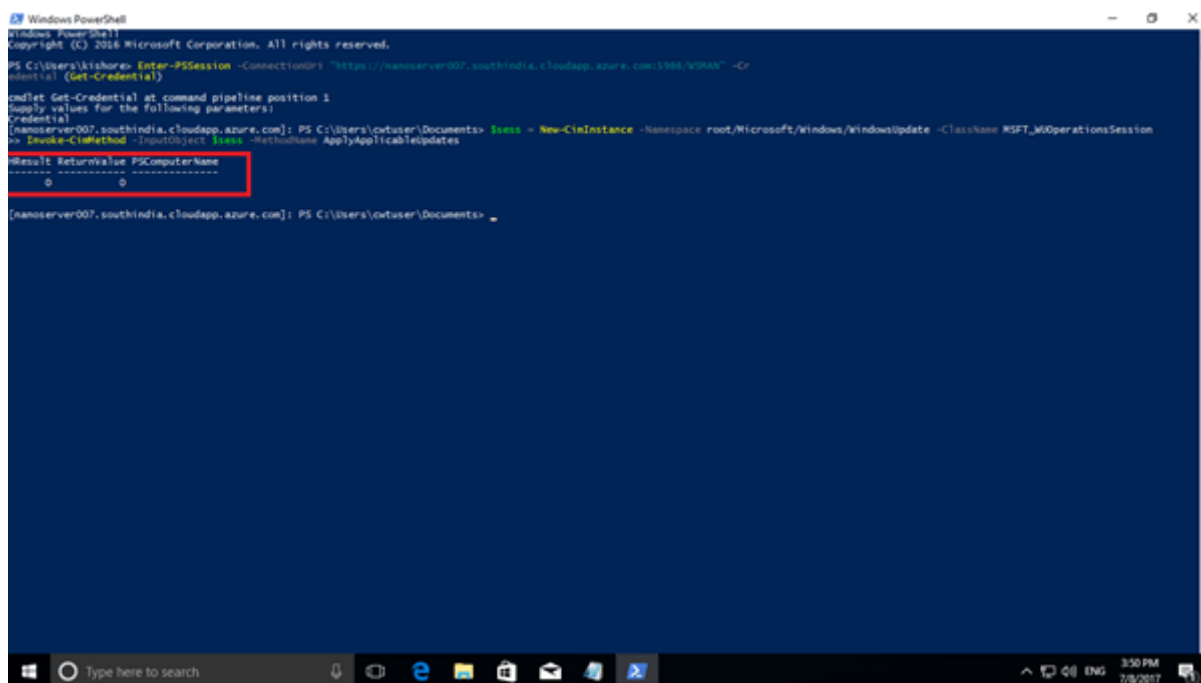
Step 2 Checking Windows Updates for Nano Server

- It is necessary to update the VM before installing Docker. Hence, we have to update Windows before installing Docker. For this, run the following set of commands.

```

$sess = New-CimInstance -Namespace root/Microsoft/Windows/WindowsUpdate -ClassName
MSFT_WUOperationsSession
Invoke-CimMethod -InputObject $sess -MethodName ApplyApplicableUpdates

```



- This will take some time to finish updates. You have to wait for a few minutes to get the updates to finish up. After the updates are done, we need to restart the Server. Run the following command after the updates are done.

Restart-Computer

- After restarting the Nano Server, again, connect back to the VM and login with the credentials.

Step 3 Installing Docker

- After logging into the VM, install the Docker Service using the following command.

```

Install-Module -Name DockerMsftProvider -Repository PSGallery -Force

```

```

PS C:\Users\cwtuser\Documents> Restart-Computer
[nanoserver007.southindia.cloudapp.azure.com]: PS C:\Users\cwtuser\Documents> cd
WARNING: The network connection to nanoserver007.southindia.cloudapp.azure.com has been interrupted. Attempting to reconnect for up to 4 minutes...
WARNING: The network connection to nanoserver007.southindia.cloudapp.azure.com has been restored.
Connecting to data from remote server nanoserver007.southindia.cloudapp.azure.com failed with the following error message: The request for the Windows Remote Shell with ShellId 18027N61-6108-4184
(324-1802718344712) failed because the shell was not found on the server. Possible causes are: the specified ShellId is incorrect or the shell no longer exists on the server. Provide the correct
ShellId or create a new shell and retry the operation. For more information, see the about-Remote-Troubleshooting help topic.
PS C:\Users\cwtuser> Enter-PSSession -ConnectionUri "https://nanoserver007.southindia.cloudapp.azure.com:5985/WSMAN" -Credential (Get-Credential)
cmdlet Get-Credential at command pipeline position 1
Supply values for the prompt: <>
Credential
[nanoserver007.southindia.cloudapp.azure.com]: PS C:\Users\cwtuser\Documents> Install-Module -Name DockerMsftProvider -Repository PSGallery -Force
NuGet provider is required to continue
PowerShellGet requires NuGet provider version '2.8.5.201' or newer to interact with NuGet-based repositories. The NuGet provider must be available in 'C:\Program
Files\PackageManagement\ProviderAssemblies' or 'C:\Users\cwtuser\AppData\Local\PackageManagement\ProviderAssemblies'. You can also install the NuGet provider by running
'Install-PackageProvider -Name NuGet -MinimumVersion 2.8.5.201 -Force'. Do you want PowerShellGet to install and report the NuGet provider now?
[Y] Yes [N] No [?] Help (default is "Y") Y
[nanoserver007.southindia.cloudapp.azure.com]: PS C:\Users\cwtuser\Documents>

```

- Now, install the docker package from the gallery which we have installed.

Install-Package -Name docker -Providername DockerMsftProvider -Verbose

- Once the installation gets done, restart your Server VM by running the following command.

Restart-Computer -Force

Step 4 Starting Docker

- Now, check whether Docker is running or not, by using this command.

Get-Service docker

- If it doesn't run, execute the following command.

Start-Service docker

- Now, execute the command.

docker version

```

Administrator: Windows PowerShell
Copyright (C) 2014 Microsoft Corporation. All rights reserved.
PS C:\Users\cwtuser> Get-Service docker
Status Name DisplayName
-----
Running Docker docker
PS C:\Users\cwtuser> Start-Service docker
PS C:\Users\cwtuser> docker version
Client:
Version: 1.12.0-rc1-ee-3
API version: 1.27
Go version: go1.7.1
Git commit: 1fca23
Built: Thu Mar 30 19:11:22 2017
OS/Arch: windows/amd64
Server:
Version: 17.03.1-ee-3
API version: 1.27 (Minimum version 1.24)
Go version: go1.7.1
Git commit: 1fca23
Built: Thu Mar 30 19:11:22 2017
OS/Arch: windows/amd64
Experimental: false
PS C:\Users\cwtuser>

```

Finally, Docker has been successfully installed in the Nano Server VM.

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