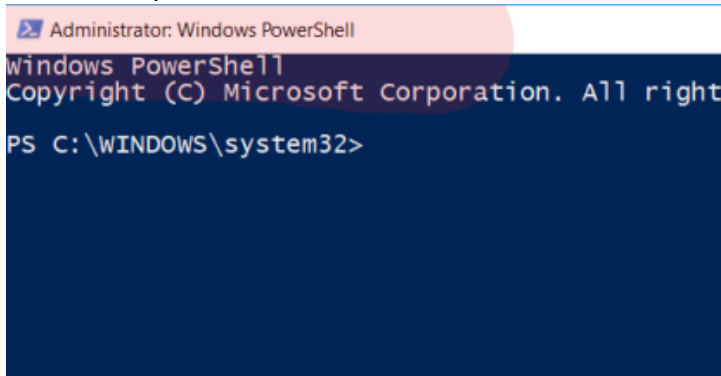# Install Azure PowerShell on Windows & CloudShell (LAB-100-01-01)

Step 1: **Install Azure PowerShell environment on Windows**

1. In the local Desktop/ Laptop (Windows 10), right click on "***Start***" & "***Run***"

2. In the open, write powershell.exe

3. Once PowerShell Open execute below command
   Start-Process powershell -Verb runAs

   This will open new PowerShell window with Admin privileges

   Note: You can close the older PowerShell window

4. Azure PowerShell works with PowerShell 5.1 or higher on Windows. Execute the below command to check the PowerShell Version. run the following command:
   $PSVersionTable.PSVersion

5. By default, the PowerShell gallery isn't configured as a trusted repository for PowerShellGet. The first time you use the PSGallery you see the following prompt:

   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\Nicolas\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 import the NuGet provider now?

   [Y] Yes [N] No [S] Suspend [?] Help (default is "Y"): Y

   Answer **Y** to continue with the installation.

   Then you will get another prompt

Answer **A** to All to continue with the installation.

7. To install Azure PowerShell, run the following command:
   Install-Module -Name Az -AllowClobber

8. To check the Azure PowerShell Version, run the following command:
   Get-Module AzureRM -ListAvailable | Select-Object -Property Name,Version,Path

9. To update the PowerShell execution policy on the system to allow the script to run. Once you execute the command, you see the following prompt:
   Set-ExecutionPolicy -ExecutionPolicy Unrestricted

Answer **A** to All to continue with the installation.

10. To start working with Azure PowerShell, sign in with your Azure credentials.
    Connect-AzAccount

    It prompts you to share Azure administrative credentials, If you login successfull, it displays
    - ✓ Account
    - ✓ SubscriptionName
    - ✓ TenantId
    - ✓ Environment

1. The first step is logged on your Azure Portal.

2. Click on the "***Azure Cloud Shell* icon"** located at the top of the portal. It will be shown as "**>_**"
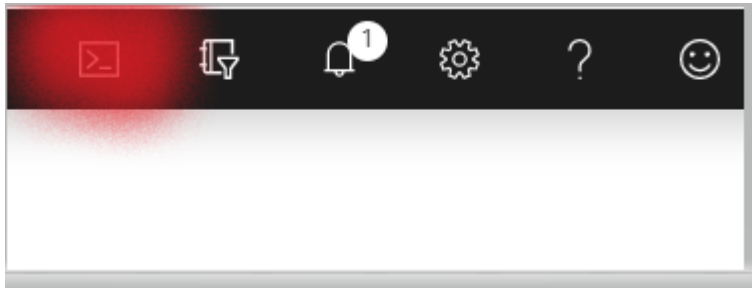
When you do so, the browser will display a new frame at the bottom of the window.

3. You will be prompted to select which type of shell you are going to use. Click on "***PowerShell***"

4. A new page will be displayed. The *Azure Cloud Shell* requires a file share in a Storage Account, so we need to select the subscription and then click on **Create Storage**.

5. It will display the PowerShell prompt