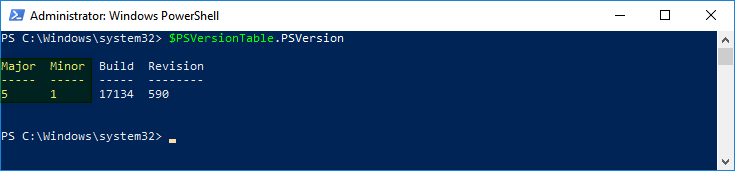
The Azure PowerShell Az module is released since December 2018 and is currently available in Version 1.8.0.  It is the *intended*PowerShell module for interacting with Azure because the previous AzureRM module will *no longer receive new features*.

This article is for *beginners*and will show you how to **install** and **update**the Az PowerShell module, how to **sign in** and how to **discover**the available cmdlets.

Install the Azure PowerShell Az module

The Az module requires**Windows PowerShell Version 5.1** or higher or **PowerShell Core Version 6+**. You can determine your PowerShell version using the following command:

|  |
| --- |
| $PSVersionTable.PSVersion |



If you need to update or install PowerShell, see [Installing various versions of PowerShell.](https://docs.microsoft.com/en-us/powershell/scripting/install/installing-powershell?view=powershell-6)

module, run the following command in an **elevated**session:

|  |
| --- |
| Install-Module -Name Az –AllowClobber |

Update the Az module

You can download and install the newest version of the Az module from the online gallery using the [Update-Module](https://docs.microsoft.com/en-us/powershell/module/powershellget/update-module?view=powershell-6) cmdlet. Please note, that this **won’t deinstall** any previous version.

|  |
| --- |
| Update-Module -Name "Az" |

Sign in to Azure

The Az PowerShell Module uses the [Connect-AzAccount](https://docs.microsoft.com/en-us/powershell/module/az.accounts/connect-azaccount?view=azps-1.8.0) cmdlet to sign in to Azure.  
Use the cmdlet without any parameter for an interactive login to an Azure account:

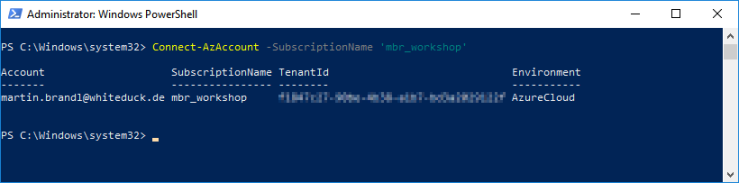
|  |
| --- |
| Connect-AzAccount |

You can also connect to Azure using a service principal account:

|  |
| --- |
| $secureClientSecret = ConvertTo-SecureString '{clientSecret}' -AsPlainText -Force  $credential = New-Object System.Management.Automation.PSCredential('{clientId}', $secureClientSecret )  Connect-AzAccount -ServicePrincipal -Credential $credential -TenantId '{directoryId}' |

If you have multiple subscriptions, you can either set the desired one using the **-SubscriptionId** or **-SubscriptionName** Connect-AzAccount parameter:

|  |
| --- |
| Connect-AzAccount -SubscriptionName 'mbr\_workshop ' |



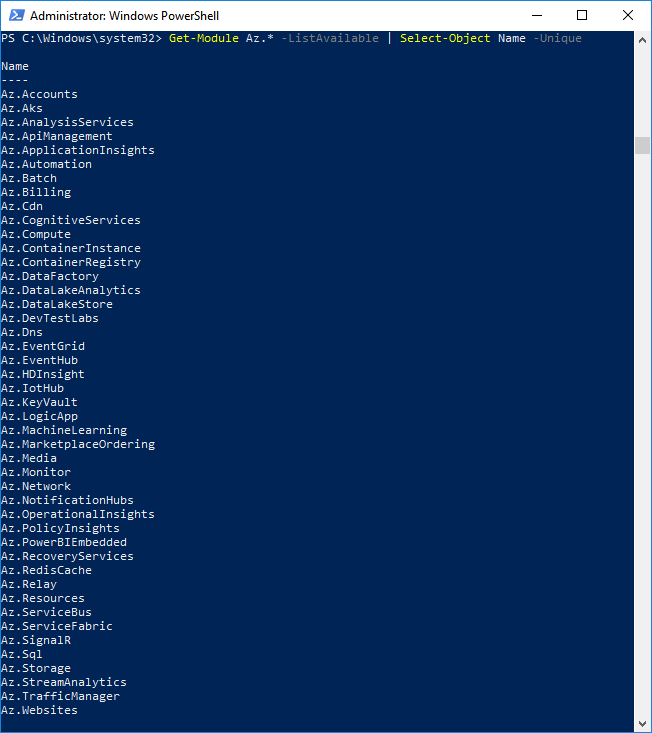
Or you can change the context *after*you signed in using the [Set-AzContext](https://docs.microsoft.com/en-us/powershell/module/az.accounts/set-azcontext?view=azps-1.8.0) cmdlet:

|  |
| --- |
| Set-AzContext 'mbr\_workshop' |

Discover the Az module cmdlets

We can use the [Get-Module](https://docs.microsoft.com/en-us/powershell/module/microsoft.powershell.core/get-module?view=powershell-6) cmdlet to retrieve all available Az modules:

|  |
| --- |
| Get-Module Az.\* -ListAvailable | Select-Object Name –Unique |



To discover the available cmdlets within a module we can use the [Get-Command](https://docs.microsoft.com/en-us/powershell/module/microsoft.powershell.core/get-command?view=powershell-6) cmdlet. In this example we browse all cmdlets within the **Az.Account** module:

|  |
| --- |
| Get-Command -Module Az.Accounts |

