

Automate Azure tasks using scripts with PowerShell

Agenda



Manage Resources in Azure: Part 02

Automate Azure tasks using scripts with PowerShell

Automate Azure tasks using scripts with PowerShell



PowerShell for Azure Administration



Install and Run Azure PowerShell



Demo: Create Azure Resources using PowerShell



Demo: Create and Save PowerShell Scripts



Summary

Automate Azure tasks using scripts with PowerShell

Azure PowerShell



Microsoft Azure

Azure Portal



Azure CLI



Azure PowerShell

Automate Azure tasks using scripts with PowerShell

Azure PowerShell



```
> $PSVersionTable.PSVersion
```

```
> Get-Help Get-ChildItem -detailed
```

```
> Get-Module
```

Determine the version of PowerShell installed

This cmdlet displays the help file for any cmdlet. For example, we could get help on the Get-ChildItem cmdlet

Get a list of loaded modules using the Get-Module command

Automate Azure tasks using scripts with PowerShell

Azure PowerShell



```
> Install-Module -Name Az -AllowClobber
```

```
> Get-ExecutionPolicy
```

```
> Set-ExecutionPolicy RemoteSigned
```

```
> Import-Module
```

```
> Update-Module -Name Az
```

This installs the module for all users by default

Get the execution policy if the import-module fails
Set the execution policy to RemoteSigned

Import Azure module

Update to the *latest* version using this command

Automate Azure tasks using scripts with PowerShell

Azure PowerShell



```
> Connect-AzAccount
```

```
> $Credential = Get-Credential
```

```
> Connect-AzAccount -Credential $Credential
```

```
> Connect-AzAccount -Tenant "zzzz-zzzz-zzzz-zzzz"  
-SubscriptionId "yyyy-yyyy-yyyy-yyyy"
```

```
> New-AzResourceGroup -Name <name>  
-Location <location>
```

The Connect-AzAccount cmdlet prompts for your Azure credentials

Connect to Azure using organizational account

Use interactive login to connect to specific Azure tenant and subscription

Create a new resource group with a name And location

Automate Azure tasks using scripts with PowerShell

Azure PowerShell



Demo

Automate Azure tasks using scripts with PowerShell

Summary



- ✓ Automate Azure tasks using scripts with PowerShell
 - ❑ PowerShell for Azure Administrator
 - ❑ Install and Run Azure PowerShell
 - ❑ Demo: Create Azure Resources using Azure PowerShell
 - ❑ Demo: Create and Save PowerShell Scripts

Download the training material from – <https://azure-training.com>



[@mstechtrainings](https://twitter.com/mstechtrainings)



<https://www.linkedin.com/in/neeraj-kumar-csm-mcts-mcse/>