

# Powershell

- [Unable to install NuGet provider for PowerShell](#)

# Unable to install NuGet provider for PowerShell

Before installing EXO V2 module, we need to install the PowerShellGet module. The problem is that we are unable to install NuGet provider and a couple of errors are showing. Warning unable to download from URI, unable to download the list of available providers. After the errors, it did not install. In this article, you will learn why this is happening and the solution for installing NuGet provider for PowerShell.

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# Unable to install NuGet provider for PowerShell

Run PowerShell as administrator. Run the command **Install-Module PowershellGet -Force**. When asked to install NuGet provider, press **Y** and follow with **Enter**.

```
[PS] C:\>Install-Module PowershellGet -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\administrator.EXOIP\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

After pressing **Y** and follow with **Enter**, the output is giving us the following warnings.

- WARNING: Unable to download from URI.
- WARNING: Unable to download the list of available providers. Check your internet connection.
- Unable to find package provider 'NuGet'. It may not be imported yet.

```
WARNING: Unable to download from URI
'https://go.microsoft.com/fwlink/?LinkID=627338&clcid=0x409' to ''.
WARNING: Unable to download the list of available providers. Check your internet connection.
PackageManagement\Install-PackageProvider : No match was found for the specified search
criteria for the provider 'NuGet'. The package provider requires 'PackageManagement' and
'Provider' tags. Please check if the specified package has the
tags.
At C:\Program Files\WindowsPowerShell\Modules\PowerShellGet\1.0.0.1\PSModule.psm1:7405 char:21
+ ...     $null = PackageManagement\Install-PackageProvider -Name $script:N ...
+
+ ~~~~~
+ CategoryInfo          : InvalidArgument:
(Microsoft.Power...PackageProvider:InstallPackageProvider) [Install-PackageProvider],
Exception
+ FullyQualifiedErrorId :
NoMatchFoundForProvider,Microsoft.PowerShell.PackageManagement.Cmdlets.InstallPackageProvider

PackageManagement\Import-PackageProvider : No match was found for the specified search
criteria and provider name 'NuGet'. Try 'Get-PackageProvider -ListAvailable' to see if the
provider exists on the system.
At C:\Program Files\WindowsPowerShell\Modules\PowerShellGet\1.0.0.1\PSModule.psm1:7411 char:21
+ ...     $null = PackageManagement\Import-PackageProvider -Name $script:Nu ...
+
+ ~~~~~
+ CategoryInfo          : InvalidData: (NuGet:String) [Import-PackageProvider], Exception
+ FullyQualifiedErrorId :
NoMatchFoundForCriteria,Microsoft.PowerShell.PackageManagement.Cmdlets.ImportPackageProvider

WARNING: Unable to download from URI
'https://go.microsoft.com/fwlink/?LinkID=627338&clcid=0x409' to ''.
WARNING: Unable to download the list of available providers. Check your internet connection.
PackageManagement\Get-PackageProvider : Unable to find package provider 'NuGet'. It may not be
imported yet. Try 'Get-PackageProvider -ListAvailable'.
```

```

At C:\Program Files\WindowsPowerShell\Modules\PowerShellGet\1.0.0.1\PSModule.psm1:7415 char:30
+ ... tProvider = PackageManagement\Get-PackageProvider -Name $script:NuGet ...
+
+ ~~~~~
+ CategoryInfo          : ObjectNotFound:
(Microsoft.Power...PackageProvider:GetPackageProvider) [Get-PackageProvider], Exception
+ FullyQualifiedErrorId :
UnknownProviderFromActivatedList,Microsoft.PowerShell.PackageManagement.Cmdlets.GetPackageProv
ider

Install-Module : NuGet provider is required to interact with NuGet-based repositories. Please
ensure that '2.8.5.201' or newer version of NuGet provider is installed.
At line:1 char:1
+ Install-Module PowershellGet -Force
+ ~~~~~
+ CategoryInfo          : InvalidOperation: (:) [Install-Module],
InvalidOperationException
+ FullyQualifiedErrorId : CouldNotInstallNuGetProvider,Install-Module

```

Why are we getting this error and what is the solution for unable to install and download NuGet provider?

## Find PowerShell version

Find the PowerShell version that is running on the system. We are going to use the [Get-Host](#) cmdlet in Windows Server 2016.

```
[PS] C:\>Get-Host | Select-Object Version
```

```
Version
```

```
-----
```

```
5.1.14393.3471
```

PowerShell 5.1 enables SSL 3.0 and TLS 1.0 for secure HTTP connections by default. Let's confirm that with the next step.

## Check Transport Layer Security protocols

Check the supported security protocols on the system.

```
[PS] C:\>[Net.ServicePointManager]::SecurityProtocol
Ssl3, Tls
```

As we can see, the security protocols defined in the system are [SSL 3.0](#) and [TLS 1.0](#). Both of the security protocols are deprecated.

## Transport Layer Security protocols

See a list of the security protocols and when they are published including the current status. At the moment of writing, only [TLS 1.2](#) and [TLS 1.3](#) are approved.

Protocol	Published	Status
-----	-----	-----
SSL 2.0	1995	Deprecated in 2011
SSL 3.0	1996	Deprecated in 2015
TLS 1.0	1999	Deprecated in 2020
TLS 1.1	2006	Deprecated in 2020
TLS 1.2	2008 <input type="checkbox"/>	
TLS 1.3	2018	

## Solution for unable to install NuGet provider for PowerShell

Now that we gathered all the information, we are going to **enable** TLS 1.2 on the system. Run both cmdlets to set [.NET Framework strong cryptography registry keys](#). After that, restart PowerShell and check if the security protocol TLS 1.2 is added. As of last, install the [PowerShellGet module](#).

The first cmdlet is to set strong cryptography on 64 bit .Net Framework (version 4 and above).

```
[PS] C:\>Set-ItemProperty -Path
'HKLM:\SOFTWARE\Wow6432Node\Microsoft\.NetFramework\v4.0.30319' -Name 'SchUseStrongCrypto' -
Value '1' -Type DWord
```

The second cmdlet is to set strong cryptography on 32 bit .Net Framework (version 4 and above).

```
[PS] C:\>Set-ItemProperty -Path 'HKLM:\SOFTWARE\Microsoft\.NetFramework\v4.0.30319' -Name 'SchUseStrongCrypto' -Value '1' -Type DWord
```

Restart Powershell and check for supported security protocols.

```
[PS] C:\>[Net.ServicePointManager]::SecurityProtocol  
Tls, Tls11, Tls12
```

Run the command **Install-Module PowershellGet -Force** and press **Y** to install NuGet provider, follow with **Enter**.

```
[PS] C:\>Install-Module PowershellGet -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\administrator.EX0IP\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
```

NuGet provider did download successfully. Did it work for you?

## Conclusion

In this article, you learned why you are unable to install NuGet provider for PowerShell. The solution to this problem is configuring TLS1.2 or higher on the system. After that, you can install NuGet for PowerShell. Did you enjoy this article? You may also like [Cleanup Exchange logs automatically with scheduled task](#). Don't forget to follow us and share this article.