PowerShell Get-Help on command 'Find-Package'

PS C:\Users\wahid> Get-Help Find-Package

NAME

Find-Package

SYNOPSIS

Finds software packages in available package sources.

SYNTAX

Find-Package [[-Name] <System.String[]>] [-AcceptLicense]

[-AllowPrereleaseVersions] [-AllVersions] [-Command <System.String[]>]

[-Credential <System.Management.Automation.PSCredential>] [-DscResource

<System.String[]>] [-Filter <System.String>] [-Force] [-ForceBootstrap]

[-IncludeDependencies] [-Includes {Cmdlet | DscResource | Function |

RoleCapability | Workflow}] [-MaximumVersion <System.String>] [-MinimumVersion

<System.String>] [-PackageManagementProvider <System.String>] [-ProviderName

{Bootstrap | NuGet | PowerShellGet}] [-Proxy <System.Uri>] [-ProxyCredential

<System.Management.Automation.PSCredential>] [-PublishLocation

<System.String>] [-RequiredVersion <System.String>] [-RoleCapability

<System.String[]>] [-ScriptPublishLocation <System.String>]

[-ScriptSourceLocation <System.String>] [-Source <System.String[]>] [-Tag

<System.String[]>] [-Type {Module | Script | All}] [<CommonParameters>]

```
Find-Package [[-Name] <System.String[]>] [-AllowPrereleaseVersions]

[-AllVersions] [-ConfigFile <System.String>] [-Contains <System.String>]

[-Credential <System.Management.Automation.PSCredential>] [-FilterOnTag

<System.String[]>] [-Force] [-ForceBootstrap] [-Headers <System.String[]>]

[-IncludeDependencies] [-MaximumVersion <System.String>] [-MinimumVersion

<System.String>] [-ProviderName {Bootstrap | NuGet | PowerShellGet}] [-Proxy

<System.Uri>] [-ProxyCredential <System.Management.Automation.PSCredential>]

[-RequiredVersion <System.String>] [-SkipValidate] [-Source <System.String[]>]

[<CommonParameters>]
```

DESCRIPTION

`Find-Package` finds software packages that are available in package sources.

`Get-PackageProvider` and `Get-PackageSource` display details about your

providers. !INCLUDE [nuget-module (../../includes/nuget-module.md)]

PARAMETERS

-AcceptLicense <System.Management.Automation.SwitchParameter>

Automatically accepts a license agreement if the package requires it.

-AllowPrereleaseVersions <System.Management.Automation.SwitchParameter>

Includes packages marked as a prerelease in the results.

-AllVersions <System.Management.Automation.SwitchParameter>

Indicates that `Find-Package` returns all available versions of the

package. By default, `Find-Package` only returns the newest available

version.

-Command <System.String[]>

Specifies an array of commands searched by `Find-Package`.

-ConfigFile <System.String>

   Specifies a configuration file.

-Contains <System.String>

   `Find-Package` gets objects if any item in the object's property values

   are an exact match for the specified value.

-Credential <System.Management.Automation.PSCredential>

   Specifies a user account that has permission to search for packages.

-DscResource <System.String[]>

   Specifies an array of Desired State Configuration (DSC) resources that

   this cmdlet searches.

-Filter <System.String>

   Specifies terms to search for within the Name and Description properties.

-FilterOnTag <System.String[]>

   Specifies the tag that filters the results. Results that don't contain the

   specified tag are excluded.

-Force <System.Management.Automation.SwitchParameter>

   Forces the command to run without asking for user confirmation.

-ForceBootstrap <System.Management.Automation.SwitchParameter>

   Indicates that `Find-Package` forces PackageManagement to automatically

   install the package provider.

-Headers <System.String[]>

   Specifies the headers for the package.

-IncludeDependencies <System.Management.Automation.SwitchParameter>

   Indicates that this cmdlet includes package dependencies in the results.

-Includes <System.String[]>

    Specifies whether `Find-Package` should find all packages within a

    category.

    The accepted values are as follows:

    - Cmdlet

    - DscResource

    - Function

    - RoleCapability

    - Workflow

-MaximumVersion <System.String>

    Specifies the maximum package version that you want to find.

-MinimumVersion <System.String>

    Specifies the minimum package version that you want to find. If a higher

    version is available, that version is returned.

-Name <System.String[]>

    Specifies one or more package names, or package names with wildcard

    characters. Separate multiple package names with commas.

-PackageManagementProvider <System.String>

    Specifies the name of a package management provider.

-ProviderName <System.String[]>

    Specifies one or more package provider names. Separate multiple package

provider names with commas. Use `Get-PackageProvider` to get a list of

available package providers.

-Proxy <System.Uri>

Specifies a proxy server for the request, rather than a direct connection

to the internet resource.

-ProxyCredential <System.Management.Automation.PSCredential>

Specifies a user account that has permission to use the proxy server that

is specified by the Proxy parameter.

-PublishLocation <System.String>

Specifies a location for publishing the package.

-RequiredVersion <System.String>

Specifies an exact package version that you want to find.

-RoleCapability <System.String[]>

Specifies an array of role capabilities.

-ScriptPublishLocation <System.String>

Specifies a script publishing location for the package.

-ScriptSourceLocation <System.String>

Specifies a script source location.

-SkipValidate <System.Management.Automation.SwitchParameter>

Switch that skips package credential validation.

-Source <System.String[]>

Specifies one or more package sources. Use `Get-PackageSource` to get a

list of available package sources. A file system directory can be used as

a source for download packages.

-Tag <System.String[]>

   Specifies one or more strings to search for in the package metadata.

-Type <System.String>

   Specifies whether to search for packages with a module, a script, or

   either.

<CommonParameters>

   This cmdlet supports the common parameters: Verbose, Debug,

   ErrorAction, ErrorVariable, WarningAction, WarningVariable,

   OutBuffer, PipelineVariable, and OutVariable. For more information, see

   about_CommonParameters (https:/go.microsoft.com/fwlink/?LinkID=113216).

Example 1: Find all available packages from a package provider

Find-Package -ProviderName NuGet

Name   Version   Source   Summary

----   -------   ------   -------

NUnit   3.11.0   MyNuGet   NUnit is a unit-testing framework for

all .NET langua...

Newtonsoft.Json   12.0.1   MyNuGet   Json.NET is a popular high-performance

JSON framework...

EntityFramework   6.2.0   MyNuGet   Entity Framework is Microsoft's

recommended data acce...

MySql.Data   8.0.15   MyNuGet   MySql.Data.MySqlClient .Net Core Class

Library

bootstrap   4.3.1   MyNuGet   Bootstrap framework in CSS. Includes

fonts and JavaSc...

NuGet.Core   2.14.0   MyNuGet   NuGet.Core is the core framework

assembly for NuGet...

`Find-Package` uses the Provider parameter to specify the provider NuGet .

------- Example 2: Find a package from a package source -------

Find-Package -Name NuGet.Core -Source MyNuGet

```
Name       Version   Source    Summary

----       -------   ------    -------

NuGet.Core   2.14.0    MyNuGet   NuGet.Core is the core framework assembly for
NuGet...
```

`Find-Package` uses the Name parameter to specify the package name NuGet.Core
. The Source parameter specifies to search for the package in MyNuGet .

---------- Example 3: Find all versions of a package ----------

Find-Package -Name NuGet.Core -Source MyNuGet -AllVersions

```
Name       Version       Source     Summary

----       -------       ------     -------

NuGet.Core   2.14.0        MyNuGet     NuGet.Core is the core framework
assembly for NuGet...
NuGet.Core   2.14.0-rtm-832  MyNuGet     NuGet.Core is the core framework
assembly for NuGet...
NuGet.Core   2.13.0        MyNuGet     NuGet.Core is the core framework
assembly for NuGet...
...
NuGet.Core   1.1.229.159    MyNuGet     NuGet.Core is the core framework
assembly for NuGet...
Nuget.Core   1.0.1120.104   MyNuGet     NuGet.Core is the core framework
assembly for NuGet...
```

`Find-Package` uses the Name parameter to specify the package NuGet.Core . The
ProviderName parameter specifies to search for the package in MyNuGet .
AllVersions specifies that all available versions are returned.

-- Example 4: Find a package with a specific name and version --

Find-Package -Name NuGet.Core -ProviderName NuGet -RequiredVersion 2.9.0

Name   Version   Source   Summary

----   -------   ------   -------

NuGet.Core   2.9.0   MyNuGet   NuGet.Core is the core framework
assembly for NuGet...

`Find-Package` uses the Name parameter to specify the package name NuGet.Core

. The ProviderName parameter specifies to search for the package in NuGet .

RequiredVersion specifies that only version 2.9.0 is returned.

----- Example 5: Find packages within a range of versions -----

Find-Package -Name NuGet.Core -ProviderName NuGet -MinimumVersion 2.7.0
-MaximumVersion 2.9.0 -AllVersions

Name   Version   Source   Summary

----   -------   ------   -------

NuGet.Core   2.9.0   MyNuGet   NuGet.Core is the core framework
assembly for NuGet...

NuGet.Core   2.8.6   MyNuGet   NuGet.Core is the core framework
assembly for NuGet...

NuGet.Core   2.8.0   MyNuGet   NuGet.Core is the core framework
assembly for NuGet...

NuGet.Core   2.7.0   MyNuGet   NuGet.Core is the core framework
assembly for NuGet...

`Find-Package` uses the Name parameter to specify the package name NuGet.Core

. The ProviderName parameter specifies to search for the package in NuGet .

MinimumVersion specifies the lowest version 2.7.0 . MaximumVersion specifies

the highest version 2.9.0 . AllVersions determines the range is returned as

specified by the minimum and maximum.

--------- Example 6: Find a package from a file system ---------

PS> Find-Package -Source C:\LocalPkg

```
Name                Version   Source        Summary
----                -------   ------        -------
Microsoft.Web.Xdt   3.0.0     C:\LocalPkg\   Microsoft Xml Document
Transformation (XDT)...
NuGet.Core          2.14.0    C:\LocalPkg\   NuGet.Core is the core
framework assembly...
```

REMARKS

   To see the examples, type: "get-help Find-Package -examples".

   For more information, type: "get-help Find-Package -detailed".

   For technical information, type: "get-help Find-Package -full".

   For online help, type: "get-help Find-Package -online"