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PowerShell

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PowerShell Get-Help on command 'Export-Alias'

PS C:\Users\wahid> Get-Help Export-Alias

NAME

Export-Alias

SYNOPSIS

Exports information about currently defined aliases to a file.

SYNTAX

```
Export-Alias [[-Name] <System.String[]>] [-Append] [-As {Csv | Script}]  
[-Description <System.String>] [-Force] -LiteralPath <System.String>  
[-NoClobber] [-PassThru] [-Scope <System.String>] [-Confirm] [-WhatIf]  
[<CommonParameters>]
```

```
Export-Alias [-Path] <System.String> [[-Name] <System.String[]>] [-Append]  
[-As {Csv | Script}] [-Description <System.String>] [-Force] [-NoClobber]  
[-PassThru] [-Scope <System.String>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

DESCRIPTION

The `Export-Alias` cmdlet exports the aliases in the current session to a file. If the output file does not exist, the cmdlet will create it.

`Export-Alias` can export the aliases in a particular scope or all scopes, it can generate the data in CSV format or as a series of Set-Alias commands that you can add to a session or to a PowerShell profile.

PARAMETERS

-Append <System.Management.Automation.SwitchParameter>

Indicates that this cmdlet appends the output to the specified file, rather than overwriting the existing contents of that file.

-As <Microsoft.PowerShell.Commands.ExportAliasFormat>

Specifies the output format. CSV is the default. The acceptable values for this parameter are:

- CSV. Comma-separated value (CSV) format. - Script. Creates a `Set-Alias` command for each exported alias. If you name the output file with a .ps1 file name extension, you can run it as a script to add the aliases to any session.

-Description <System.String>

Specifies the description of the exported file. The description appears as a comment at the top of the file, following the header information.

-Force <System.Management.Automation.SwitchParameter>

Forces the command to run without asking for user confirmation.

Overwrites the output file, even if the read-only attribute is set on the file.

By default, `Export-Alias` overwrites files without warning, unless the read-only or hidden attribute is set or the NoClobber parameter is used in the command. The NoClobber parameter takes precedence over the Force

parameter when both are used in a command.

The Force parameter cannot force `Export-Alias` to overwrite files with the hidden attribute.

-LiteralPath <System.String>

Specifies the path to the output file. Unlike Path , the value of the LiteralPath parameter is used exactly as it is typed. No characters are interpreted as wildcards. If the path includes escape characters, enclose it in single quotation marks. Single quotation marks tell PowerShell not to interpret any characters as escape sequences.

-Name <System.String[]>

Specifies the names as an array of the aliases to export. Wildcards are permitted.

By default, `Export-Alias` exports all aliases in the session or scope.

-NoClobber <System.Management.Automation.SwitchParameter>

Indicates that this cmdlet prevents `Export-Alias` from overwriting any files, even if the Force parameter is used in the command.

If the NoClobber parameter is omitted, `Export-Alias` will overwrite an existing file without warning, unless the read-only attribute is set on the file. NoClobber takes precedence over the Force parameter, which permits `Export-Alias` to overwrite a file with the read-only attribute.

NoClobber does not prevent the Append parameter from adding content to an existing file.

-PassThru <System.Management.Automation.SwitchParameter>

Returns an object representing the item with which you are working. By default, this cmdlet does not generate any output.

-Path <System.String>

Specifies the path to the output file. Wildcards are permitted, but the resulting path value must resolve to a single file name.

-Scope <System.String>

Specifies the scope from which the aliases should be exported. The acceptable values for this parameter are:

- Global

- Local

- Script

- A number relative to the current scope (0 through the number of scopes where 0 is the current scope and 1 is its parent)

The default value is Local. For more information, see `about_Scopes` (`../Microsoft.PowerShell.Core/About/about_Scopes.md`).

-Confirm <System.Management.Automation.SwitchParameter>

Prompts you for confirmation before running the cmdlet.

-WhatIf <System.Management.Automation.SwitchParameter>

Shows what would happen if the cmdlet runs. The cmdlet is not run.

<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: Export an alias -----

```
Export-Alias -Path "alias.csv"
```

This command exports current alias information to a file named Alias.csv in the current directory.

Example 2: Export an alias unless the export file already exists

```
Export-Alias -Path "alias.csv" -NoClobber
```

This command exports the aliases in the current session to an Alias.csv file.

Because the NoClobber parameter is specified, the command will fail if an Alias.csv file already exists in the current directory.

----- Example 3: Append aliases to a file -----

```
Export-Alias -Path "alias.csv" -Append -Description "Appended Aliases" -Force
```

This command appends the aliases in the current session to the Alias.csv file.

The command uses the Description parameter to add a description to the comments at the top of the file.

The command also uses the Force parameter to overwrite any existing Alias.csv files, even if they have the read-only attribute.

----- Example 4: Export aliases as a script -----

```
Export-Alias -Path "alias.ps1" -As Script
Add-Content -Path $Profile -Value (Get-Content alias.ps1)
$$ = New-PSSession -ComputerName Server01
Invoke-Command -Session $$ -FilePath .\alias.ps1
```

This example shows how to use the script file format that `Export-Alias` generates.

The first command exports the aliases in the session to the `Alias.ps1` file. It uses the `As` parameter with a value of `Script` to generate a file that contains a `Set-Alias` command for each alias.

The second command adds the aliases in the `Alias.ps1` file to the `CurrentUser-CurrentHost` profile. The path to the profile is saved in the `$Profile` variable. The command uses the `Get-Content` cmdlet to get the aliases from the `Alias.ps1` file and the `Add-Content` cmdlet to add them to the profile. For more information, see `about_Profiles` (`../Microsoft.PowerShell.Core/About/about_Profiles.md`).

The third and fourth commands add the aliases in the `Alias.ps1` file to a remote session on the `Server01` computer. The third command uses the `New-PSSession` cmdlet to create the session. The fourth command uses the `FilePath` parameter of the `Invoke-Command` cmdlet to run the `Alias.ps1` file in the new session.

REMARKS

To see the examples, type: `"get-help Export-Alias -examples"`.

For more information, type: `"get-help Export-Alias -detailed"`.

For technical information, type: `"get-help Export-Alias -full"`.

For online help, type: `"get-help Export-Alias -online"`