Windows PowerShell Get-Help on Cmdlet 'Remove-TypeData'

PS:\>Get-HELP Remove-TypeData -Full

NAME

   Remove-TypeData

SYNOPSIS

   Deletes extended types from the current session.

SYNTAX

   Remove-TypeData -Path <System.String[]> [-Confirm] [-WhatIf] [<CommonParameters>]

       Remove-TypeData   -TypeData   <System.Management.Automation.Runspaces.TypeData>   [-Confirm]   [-WhatIf]

[<CommonParameters>]

   Remove-TypeData [-TypeName] <System.String> [-Confirm] [-WhatIf] [<CommonParameters>]

DESCRIPTION

   The `Remove-TypeData` cmdlet deletes extended type data from the current session. This cmdlet affects only the current

session and sessions that are created in the

   current session.

You can add properties and methods to objects in PowerShell by defining them in `Update-TypeData` commands and `Types.ps1xml` files. `Remove-TypeData` deletes those

extended properties and methods from the current session. `Remove-TypeData` does not delete the `Types.ps1xml` files or delete any extended type definitions from the

`Types.ps1xml` files. For more information about `Types.ps1xml` files, see about_Types.ps1xml (../Microsoft.PowerShell.Core/about/about_Types.ps1xml.md).

This cmdlet was introduced in Windows PowerShell 3.0.

PARAMETERS

  -Path <System.String[]>

    Specifies an array of files that this cmdlet deletes from the session extended type data. This parameter is required.

    Enter the paths and file names of one or more `Types.ps1xml` files. Wildcards are not supported. If you omit the path, the default location is the current

    directory.

    Required?   true
    Position?   named
    Default value   None
    Accept pipeline input?   False
    Accept wildcard characters? false

  -TypeData <System.Management.Automation.Runspaces.TypeData>

    Specifies the type data that this cmdlet deletes from the session. This parameter is required. Enter a variable that contains TypeData objects (

    System.Management.Automation.Runspaces.TypeData) or a command that gets TypeData objects, such as a `Get-TypeData` command. You can also pipe TypeData objects to

    `Remove-TypeData`.

    Required?   true

Position?   named

Default value   None

Accept pipeline input?   True (ByValue)

Accept wildcard characters? false

-TypeName <System.String>

   Specifies the types that this cmdlet deletes all extended type data for. For types in the System namespace, enter the short name. Otherwise, the full type name is

   required. Wildcards are not supported.

      You can pipe type names to `Remove-TypeData`. When you pipe an object to `Remove-TypeData`, `Remove-TypeData` gets the type name of the object and removes all

   type data for the object type.

   Required?   true

   Position?   0

   Default value   None

   Accept pipeline input?   True (ByPropertyName, ByValue)

   Accept wildcard characters? false

-Confirm <System.Management.Automation.SwitchParameter>

   Prompts you for confirmation before running the cmdlet.

   Required?   false

   Position?   named

   Default value   False

   Accept pipeline input?   False

   Accept wildcard characters? false

-WhatIf <System.Management.Automation.SwitchParameter>

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

   Required?   false

Position?   named

Default value   False

Accept pipeline input?   False

Accept wildcard characters? false

  <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).

INPUTS

  System.Management.Automation.Runspaces.TypeData

    You can pipe a TypeData object, such as the ones that the `Get-TypeData` cmdlet returns, to this cmdlet.

  System.String

     You can pipe a string containing the type name to this cmdlet. When you pipe an object to this cmdlet, it gets the type

name of the object and removes all type

    data for the object type.

OUTPUTS

  None

    This cmdlet returns no output.

NOTES

     `Remove-TypeData` can remove only the extended type data in the current session. It cannot remove extended type

data that is on the computer, but has not been

    added to the current session, such as extended types that are defined in modules that have not been imported into the

current session.

------- Example 1: Remove type data for a specified type -------

Remove-TypeData -TypeName System.Array

---- Example 2: Remove an extended data type from a session ----

Get-TypeData System.DateTime

(Get-Date).DateTime

Get-TypeData System.DateTime | Remove-TypeData

(Get-Date).DateTime

TypeName   Members

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

System.DateTime {[DateTime, System.Management.Automation.Runspaces.ScriptPropertyData]}

Friday, January 20, 2012 9:01:00 PM

The next `Get-TypeData` cmdlet to get all extended type data for the System.DateTime type and pipes that to the `Remove-TypeData` cmdlet to delete the extended type

data. The last `Get-Date` cmdlet shows the effect of deleting the extended type data for the System.DateTime type. Because the System.DateTime property no longer

exists, a command to get its value returns nothing.

--------- Example 3: Remove extended types for modules ---------

Get-Module | Remove-TypeData

--- Example 4: Remove extended types from specified modules ---

Remove-TypeData   -Path   "$PSHOME\Modules\PSScheduledJob",

"$PSHOME\Modules\PSWorkflow\PSWorkflow.types.ps1xml"

For more information about modules, see about_Modules (../Microsoft.PowerShell.Core/About/about_Modules.md).

---- Example 5: Remove extended types from a remote session ----

Invoke-Command -Session $S {Get-TypeData -TypeName *CIM* | Remove-TypeData}

RELATED LINKS

Online Version:
https://learn.microsoft.com/powershell/module/microsoft.powershell.utility/remove-typedata?view=powershell-5.1&WT.mc_id
=ps-gethelp

Get-TypeData

Update-TypeData