Windows PowerShell Get-Help on Cmdlet 'Set-OdbcDriver'

PS:\>Get-HELP Set-OdbcDriver -Full

NAME

   Set-OdbcDriver

SYNOPSIS

   Configures the properties for installed ODBC drivers.

SYNTAX

      Set-OdbcDriver [-InputObject] <CimInstance[]> [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-PassThru] [-RemovePropertyValue <String[]>] [-SetPropertyValue

   <String[]>] [-ThrottleLimit <Int32>] [-WhatIf] [<CommonParameters>]

   Set-OdbcDriver [-Name] <String> [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-PassThru] [-Platform {32-bit | 64-bit | All}] [-RemovePropertyValue <String[]>]

   [-SetPropertyValue <String[]>] [-ThrottleLimit <Int32>] [-WhatIf] [<CommonParameters>]

DESCRIPTION

   The Set-OdbcDriver cmdlet configures the properties for installed Open Database Connectivity (ODBC) drivers. Specify

properties to add or modify by using the

SetPropertyValue parameter. Specify properties to remove by using the RemovePropertyValue parameter.

Use the driver installation program to install and uninstall a driver. You cannot install or uninstall a driver by using Windows PowerShellr cmdlets.

For more information about ODBC and drivers, see Microsoft Open Database Connectivity (ODBC) (https://msdn.microsoft.com/en-us/library/ms710252.aspx) and

[Drivers](https://msdn.microsoft.com/en-us/library/ms715383.aspx)on the Microsoft Developer Network.

PARAMETERS

-AsJob [<SwitchParameter>]

Runs the cmdlet as a background job. Use this parameter to run commands that take a long time to complete.

Required?   false

Position?   named

Default value   False

Accept pipeline input?   False

Accept wildcard characters? false

-CimSession <CimSession[]>

Runs the cmdlet in a remote session or on a remote computer. Enter a computer name or a session object, such as the output of a New-CimSession

(https://go.microsoft.com/fwlink/p/?LinkId=227967)   or

[Get-CimSession](https://go.microsoft.com/fwlink/p/?LinkId=227966)cmdlet. The default is the current session

on the local computer.

Required?   false

Position?   named

Default value   None

Accept pipeline input?   False

Accept wildcard characters? false

-Confirm [<SwitchParameter>]

Prompts you for confirmation before running the cmdlet.

Required?   false

Position?   named

Default value   False

Accept pipeline input?   False

Accept wildcard characters? false

-InputObject <CimInstance[]>

Specifies the input object that is used in a pipeline command.

Required?   true

Position?   0

Default value   None

Accept pipeline input?   True (ByValue)

Accept wildcard characters? false

-Name <String>

 Specifies the name of a driver. You can use wildcard characters to specify more than one driver. This cmdlet modifies one or more ODBC drivers that this parameter

specifies.

Required?   true

Position?   0

Default value   None

Accept pipeline input?   True (ByPropertyName)

Accept wildcard characters? false

-PassThru [<SwitchParameter>]

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

```
Required?                false

Position?                named

Default value            False

Accept pipeline input?     False

Accept wildcard characters?  false
```

-Platform <String>

Specifies the platform architecture. This cmdlet modifies an ODBC driver that belongs to the architecture that this parameter specifies. The acceptable values for

this parameter are:

- 32-bit

- 64-bit

- All

The default value is 32-bit on a 32-bit process. The default value is 64-bit on a 64-bit process. If you run this cmdlet in a remote CIM session, this parameter

refers to the platform architecture on the remote computer.

```
Required?                false

Position?                named

Default value            None

Accept pipeline input?     True (ByPropertyName)

Accept wildcard characters?  false
```

-RemovePropertyValue <String[]>

Specifies an array of property values to remove. This cmdlet removes the property values that this parameter specifies from the ODBC driver. Specify an array of

keys to be removed.

Required?   false

Position?   named

Default value   None

Accept pipeline input?   True (ByPropertyName)

Accept wildcard characters? false

  -SetPropertyValue <String[]>

     Specifies an array of property values. This cmdlet modifies or adds the values that this parameter specifies on an ODBC driver. Specify an array of strings in the

     form <key>=<value>.

  Required?   false

  Position?   named

  Default value   None

  Accept pipeline input?   True (ByPropertyName)

  Accept wildcard characters? false

  -ThrottleLimit <Int32>

     Specifies the maximum number of concurrent operations that can be established to run the cmdlet. If this parameter is omitted or a value of `0` is entered, then

     Windows PowerShellr calculates an optimum throttle limit for the cmdlet based on the number of CIM cmdlets that are running on the computer. The throttle limit

     applies only to the current cmdlet, not to the session or to the computer.

  Required?   false

  Position?   named

  Default value   None

  Accept pipeline input?   False

  Accept wildcard characters? false

  -WhatIf [<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

OUTPUTS

Microsoft.Management.Infrastructure.CimInstance#MSFT_OdbcDriver[]

NOTES

Example 1: Assign a value for a 32-bit driver by using a name

PS C:\> Set-OdbcDriver -Name "SQL Server Native Client 10.0" -Platform "32-bit" -SetPropertyValue "CPTimeout=60"

This command assigns the key CPTimeout a value of 60 for the 32-bit driver named SQL Server Native Client 10.0.

Example 2: Remove a property for any driver that starts with a string for the native platform

PS C:\> Set-OdbcDriver -Name "SQL Server*" -RemovePropertyValue "aaa"

This command removes the property named aaa for all drivers that have a name that starts with SQL Server under the native platform.

----- Example 3: Change and remove properties for a driver -----

```
PS C:\> Set-OdbcDriver -Name "SQL Server Native Client 10.0" -Platform "All" -RemovePropertyValue @("aaa1", "aaa2")
-SetPropertyValue @("aaa3=bbb3", "aaa4=bbb4")
```

This command operates on any driver named SQL Server Native Client 10.0 under both 32-bit and 64-bit architectures. The command removes the properties aaa1 and aaa2.

It also sets the property aaa3 to bbb3 and the property aaa4 to bbb4.

Example 4: Assign a value for a 32-bit driver by using a name and store the result

```
PS C:\> $Driver = Set-OdbcDriver -Name "SQL Server Native Client 10.0" -Platform "32-bit" -SetPropertyValue "aaa=bbb"
-PassThru
```

This command assigns the key aaa a value of bbb for the 32-bit driver named SQL Server Native Client 10.0, and then stores the driver object in the $Driver variable.

Example 5: Change and remove properties for a driver by using the pipeline operator

```
PS C:\> Get-OdbcDriver "SQL Server Native Client 10.0" -Platform "All" | Set-OdbcDriver -RemovePropertyValue
@("aaa1", "aaa2") -SetPropertyValue @("aaa3=bbb3",
  "aaa4=bbb4")
```

This command operates on any driver named SQL Server Native Client 10.0 under both 32-bit and 64-bit architectures. This command removes the properties aaa1 and aaa2.

It also sets the property aaa3 to bbb3 and the property aaa4 to bbb4.

Example 6: Change and remove properties for a driver by using a variable

```
PS C:\> $DriverArray = Get-OdbcDriver "SQL Server Native Client 10.0" -Platform "All"
PS C:\> Set-OdbcDriver -InputObject $DriverArray -RemovePropertyValue @("aaa1", "aaa2") -SetPropertyValue
@("aaa3=bbb3", "aaa4=bbb4")
```

The first command uses the Get-OdbcDriver cmdlet to get any driver named SQL Server Native Client 10.0 under both 32-bit and 64-bit architectures, and then stores

them in the $DriverArray variable.

The second command removes the properties aaa1 and aaa2. It also sets the property aaa3 to bbb3 and the property aaa4 to bbb4.

RELATED LINKS

Online Version: https://learn.microsoft.com/powershell/module/wdac/set-odbcdriver?view=windowsserver2022-ps&wt.mc_id=ps-gethelp

Get-OdbcDriver