

Working with Registry Entries

Output Screenshots:

```
183.82.125.202:4499 - Remote Desktop Connection

Windows PowerShell

PS C:\Users\devops34> Get-Item -Path Registry::HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion |
>> Select-Object -ExpandProperty Property
>>
ProgramFilesDir
CommonFilesDir
ProgramFilesDir (x86)
CommonFilesDir (x86)
CommonW6432Dir
DevicePath
MediaPathUnexpanded
ProgramFilesPath
ProgramW6432Dir
SM_ConfigureProgramsName
SM_GamesName
PS C:\Users\devops34> Get-ItemProperty -Path Registry::HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion

ProgramFilesDir           : C:\Program Files
CommonFilesDir            : C:\Program Files\Common Files
ProgramFilesDir (x86)     : C:\Program Files (x86)
CommonFilesDir (x86)     : C:\Program Files (x86)\Common Files
CommonW6432Dir            : C:\Program Files\Common Files
DevicePath                : C:\Windows\inf
MediaPathUnexpanded       : C:\Windows\Media
ProgramFilesPath          : C:\Program Files
ProgramW6432Dir           : C:\Program Files
SM_ConfigureProgramsName  : Set Program Access and Defaults
SM_GamesName              : Games
PSPath                   : Microsoft.PowerShell.Core\Registry::HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion
PSParentPath              : Microsoft.PowerShell.Core\Registry::HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows
PSChildName               : CurrentVersion
PSProvider                : Microsoft.PowerShell.Core\Registry
```

```
183.82.125.202:4499 - Remote Desktop Connection

Windows PowerShell

PS C:\Users\devops34> Set-Location -Path Registry::HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion
PS Microsoft.PowerShell.Core\Registry::HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion> Set-Location -Path hkLM:\SOFTWARE\Microsoft\Windows\CurrentVersion
PS HKLM:\SOFTWARE\Microsoft\Windows\CurrentVersion> Get-ItemProperty -Path .

ProgramFilesDir           : C:\Program Files
CommonFilesDir            : C:\Program Files\Common Files
ProgramFilesDir (x86)     : C:\Program Files (x86)
CommonFilesDir (x86)     : C:\Program Files (x86)\Common Files
CommonW6432Dir            : C:\Program Files\Common Files
DevicePath                : C:\Windows\inf
MediaPathUnexpanded       : C:\Windows\Media
ProgramFilesPath          : C:\Program Files
ProgramW6432Dir           : C:\Program Files
SM_ConfigureProgramsName  : Set Program Access and Defaults
SM_GamesName              : Games
PSPath                   : Microsoft.PowerShell.Core\Registry::HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion
PSParentPath              : Microsoft.PowerShell.Core\Registry::HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows
PSChildName               : CurrentVersion
PSDrive                  : HKLM
PSProvider                : Microsoft.PowerShell.Core\Registry

PS HKLM:\SOFTWARE\Microsoft\Windows\CurrentVersion> Get-ItemProperty -Path HKLM:\Software\Microsoft\Windows\CurrentVersion -Name DevicePath

DevicePath : C:\Windows\inf
PSPath     : Microsoft.PowerShell.Core\Registry::HKEY_LOCAL_MACHINE\Software\Microsoft\Windows\CurrentVersion
PSParentPath : Microsoft.PowerShell.Core\Registry::HKEY_LOCAL_MACHINE\Software\Microsoft\Windows
PSChildName  : CurrentVersion
PSDrive      : HKLM
PSProvider   : Microsoft.PowerShell.Core\Registry
```

183.82.125.202:4499 - Remote Desktop Connection

Windows PowerShell

```
+ FullyQualifiedErrorId : CommandNotFoundException

PS HKLM:\SOFTWARE\Microsoft\Windows\CurrentVersion> (New-Object -ComObject WScript.Shell).RegRead("HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\DevicePath")
%SystemRoot%\inf
PS HKLM:\SOFTWARE\Microsoft\Windows\CurrentVersion> $value = Get-ItemProperty -Path HKCU:\Environment -Name Path
>> $newpath = $value.Path + "%C:\src\bin\"
>> Set-ItemProperty -Path HKCU:\Environment -Name Path -Value $newpath
>>
PS HKLM:\SOFTWARE\Microsoft\Windows\CurrentVersion> $value = Get-ItemProperty -Path HKCU:\Environment -Name Path
>> $newpath = $value.Path.SubString(0, $value.Path.LastIndexOf(' '))
>> reg add HKCU\Environment /v Path /d $newpath /f
>>
reg : The term 'reg' is not recognized as the name of a cmdlet, function, script file, or operable program. Check the spelling of the name, or if a path was included,
correct and try again.
At line:3 char:1
+ reg add HKCU\Environment /v Path /d $newpath /f
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (reg:String) [], CommandNotFoundException
+ FullyQualifiedErrorId : CommandNotFoundException

PS HKLM:\SOFTWARE\Microsoft\Windows\CurrentVersion> New-ItemProperty -Path HKLM:\SOFTWARE\Microsoft\Windows\CurrentVersion -Name PowerShellPath -PropertyType Stri
New-ItemProperty : Requested registry access is not allowed.
At line:1 char:1
+ New-ItemProperty -Path HKLM:\SOFTWARE\Microsoft\Windows\CurrentVersio ...
+ ~~~~~
+ CategoryInfo          : PermissionDenied: (HKEY_LOCAL_MACHINE\...\CurrentVersion:String) [New-ItemProperty], SecurityException
+ FullyQualifiedErrorId : System.Security.SecurityException,Microsoft.PowerShell.Commands.NewItemPropertyCommand

PS HKLM:\SOFTWARE\Microsoft\Windows\CurrentVersion> New-ItemProperty -Name PowerShellPath -PropertyType String -Value $PSHome `
>> -Path HKLM:\SOFTWARE\Microsoft\Windows\CurrentVersion, HKCU:\SOFTWARE\Microsoft\Windows\CurrentVersion
>>
New-ItemProperty : Requested registry access is not allowed.
At line:1 char:1
+ New-ItemProperty -Name PowerShellPath -PropertyType String -Value $PS ...
+ ~~~~~
+ CategoryInfo          : PermissionDenied: (HKEY_LOCAL_MACHINE\...\CurrentVersion:String) [New-ItemProperty], SecurityException
+ FullyQualifiedErrorId : System.Security.SecurityException,Microsoft.PowerShell.Commands.NewItemPropertyCommand

PowerShellPath : C:\Windows\System32\WindowsPowerShell\v1.0
PSPath          : Microsoft.PowerShell.Core\Registry::HKEY_CURRENT_USER\SOFTWARE\Microsoft\Windows\CurrentVersion
PSParentPath    : Microsoft.PowerShell.Core\Registry::HKEY_CURRENT_USER\SOFTWARE\Microsoft\Windows
PSChildName     : CurrentVersion
PSDrive         : HKCU
PSProvider      : Microsoft.PowerShell.Core\Registry
```

183.82.125.202:4499 - Remote Desktop Connection

Windows PowerShell

```
+ FullyQualifiedErrorId : System.Security.SecurityException,Microsoft.PowerShell.Commands.NewItemPropertyCommand

PS HKLM:\SOFTWARE\Microsoft\Windows\CurrentVersion> New-ItemProperty -Name PowerShellPath -PropertyType String -Value $PSHome `
>> -Path HKLM:\SOFTWARE\Microsoft\Windows\CurrentVersion, HKCU:\SOFTWARE\Microsoft\Windows\CurrentVersion
>>
New-ItemProperty : Requested registry access is not allowed.
At line:1 char:1
+ New-ItemProperty -Name PowerShellPath -PropertyType String -Value $PS ...
+ ~~~~~
+ CategoryInfo          : PermissionDenied: (HKEY_LOCAL_MACHINE\...\CurrentVersion:String) [New-ItemProperty], SecurityException
+ FullyQualifiedErrorId : System.Security.SecurityException,Microsoft.PowerShell.Commands.NewItemPropertyCommand

PowerShellPath : C:\Windows\System32\WindowsPowerShell\v1.0
PSPath          : Microsoft.PowerShell.Core\Registry::HKEY_CURRENT_USER\SOFTWARE\Microsoft\Windows\CurrentVersion
PSParentPath    : Microsoft.PowerShell.Core\Registry::HKEY_CURRENT_USER\SOFTWARE\Microsoft\Windows
PSChildName     : CurrentVersion
PSDrive         : HKCU
PSProvider      : Microsoft.PowerShell.Core\Registry

PS HKLM:\SOFTWARE\Microsoft\Windows\CurrentVersion> Rename-ItemProperty -Path HKLM:\SOFTWARE\Microsoft\Windows\CurrentVersion -Name PowerShellPath -NewName PSHome
Rename-ItemProperty : Requested registry access is not allowed.
At line:1 char:1
+ Rename-ItemProperty -Path HKLM:\SOFTWARE\Microsoft\Windows\CurrentVer ...
+ ~~~~~
+ CategoryInfo          : PermissionDenied: (HKEY_LOCAL_MACHINE\...\CurrentVersion:String) [Rename-ItemProperty], SecurityException
+ FullyQualifiedErrorId : System.Security.SecurityException,Microsoft.PowerShell.Commands.RenameItemPropertyCommand

PS HKLM:\SOFTWARE\Microsoft\Windows\CurrentVersion> Rename-ItemProperty -Path HKLM:\SOFTWARE\Microsoft\Windows\CurrentVersion -Name PowerShellPath -NewName PSHome -passthru
Rename-ItemProperty : Requested registry access is not allowed.
At line:1 char:1
+ Rename-ItemProperty -Path HKLM:\SOFTWARE\Microsoft\Windows\CurrentVer ...
+ ~~~~~
+ CategoryInfo          : PermissionDenied: (HKEY_LOCAL_MACHINE\...\CurrentVersion:String) [Rename-ItemProperty], SecurityException
+ FullyQualifiedErrorId : System.Security.SecurityException,Microsoft.PowerShell.Commands.RenameItemPropertyCommand

PS HKLM:\SOFTWARE\Microsoft\Windows\CurrentVersion> Remove-ItemProperty -Path HKCU:\SOFTWARE\Microsoft\Windows\CurrentVersion -Name PowerShellPath
>>
Remove-ItemProperty : Requested registry access is not allowed.
At line:1 char:1
+ Remove-ItemProperty -Path HKCU:\SOFTWARE\Microsoft\Windows\CurrentVer ...
+ ~~~~~
+ CategoryInfo          : PermissionDenied: (HKEY_LOCAL_MACHINE\...\CurrentVersion:String) [Remove-ItemProperty], SecurityException
+ FullyQualifiedErrorId : System.Security.SecurityException,Microsoft.PowerShell.Commands.RemoveItemPropertyCommand
```