
PnP PowerShell Admin Scripts

Get User Membership Details

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Environment Configuration

- Open Windows PowerShell/Windows PowerShell ISE in order to verify that you are able to execute the PowerShell script on the machine.
- Execute below command to make sure that you can execute PowerShell scripts from your machine in the case that is disabled due to security reasons.
 - `Get-ExecutionPolicy`
 - If you get output of above command as `Restricted` in that case, you are not allowed to execute PowerShell scripts on your machine.
- To enable the execution of PowerShell scripts on your machine, execute the below command which will allow you to execute PowerShell scripts on your.
 - `Set-ExecutionPolicy RemoteSigned`

Installation of PnP PowerShell Module

- What is PnP PowerShell?
 - SharePoint PnP (Patterns and Practices) PowerShell is the library of PowerShell command that allows you to perform complex provisioning and artefact management action towards SharePoint platform. The command will use CSOM and REST APIs call in backend of the PowerShell commands provided by the PnP PowerShell library. PnP PowerShell supports SharePoint Online as well as On Premise environment.
- Based on your target SharePoint version, you must install respective PowerShell module on machine from where you are going to execute the script.
- Please find following commands for different target environment.

SharePoint Environment	PnP Command
SharePoint 2013	<code>Install-Module SharePointPnPPowerShell2013</code>
SharePoint 2016	<code>Install-Module SharePointPnPPowerShell2016</code>
SharePoint 2019	<code>Install-Module SharePointPnPPowerShell2019</code>
SharePoint Online (Office 365)	<code>Install-Module SharePointPnPPowerShellOnline</code>

Note: *In order to install the PowerShell library on to your machine, it must be connected to the internet to get it installed.*

If your machine is not connected to internet you can download offline installer package from [here](#).

Get User Membership Details

- This script allows you to generate a detailed membership report for specified user(s). It will export a report with the user email, SharePoint group name by which membership and access is granted to the s user(s).
- It will also scan and export the details of any shared links to any documents that have been shared with the user(s).
- In this package, you will get 2 files and its usage is as below:
 - PnP_UserMembershipDetails.ps1
 - You must update below listed parameters in the script file.
 - **\$SiteURL**: Specify the URL to SharePoint site for which you would like to generate specified user's membership details.
 - **\$UserInfo**: Specify the input file from where user details will be read and iterated by the script in order to export those user's membership details into excel file.
 - **\$ExportPath**: Specify the path where you would like to export the membership detail report.
 - **\$logPath**: Specify the path where you would like to generate the logs.

```
### START: Configuration Parameters ###
#Specify parameters
$InputFile = "D:\Scripts\ExportListData\Input.csv"
$ExportPath = "D:\Scripts\ExportListData\"
$logPath = "D:\Scripts\ExportListData\Log.txt"
### END: Configuration Parameters ###
```

- UserInfo.csv
 - You must create/fill the CSV file with userEmail and Process flag as per the sample provided to generate respective user membership details for specified Site URL.
 - **UserEmail**: Specify the user email address for which you would like to generate the membership details.
 - **Process**: Specify No if you don't want to export specified user's membership details.

UserEmail	Process
user1@contoso.com	Yes
user2@contoso.com	Yes
user3@fabrikant.com	Yes

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