
PnP PowerShell Admin Scripts

Export List Data

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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](#).

Export List Data

- This script allows you to export SharePoint list data to excel file with desired lists of fields.
- You can also export multiple SharePoint lists data by configuring the number of lists into the input csv file.
- In this package, you will get below mentioned 2 files:

- PnP_ExportListData.ps1

- You must update 2 configuration parameters in this file. They are listed as below:
 - **ListDetails:** Specify the path to the csv file where you have mentioned all of the SharePoint lists which need to be exported.
 - **logPath:** Specify the log path where the logs of the script execution will be stored.

```
### START: Configuration Parameters ###
$listDetails| = "D:\Scripts\ExportListData>ListDetails.csv"
$logPath = "D:\Scripts\ExportListData\Log.txt"
### END: Configuration Parameters ###
```

- ListDetails.csv

- You must specify 4 parameters for each list that you would like to export.
 - **SiteUrl:** Specify the URL to the SharePoint site where list is stored.
 - **ListTitle:** Specify the List Title.
 - **FieldTobeExported:** Specify the fields (Internal Column Name) which needs to be exported into excel file separated by comma (,).
 - **Process:** Specify value of this field as either Yes or No, if specify as Yes, respective record will be exported and if specified as No, that item will be skipped from the ListDetails.csv file.

SiteUrl	ListTitle	FieldTobeExported	Process
https://contoso.sharepoint.com/sites/hr	Employee	Title,Email,BirthDate,LinktoProfile,JobRoles,Projects,Skills	Yes

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