

PowerShell: Back Up Script for SharePoint Online/On premises

DESCRIPTION:

Summary:

Creates a local directory hierarchy of all document libraries from a SharePoint site Online or On Premises and makes a local backup.

This script reads all document libraries structure from a SharePoint site collection, creates a local directory hierarchy with the same site structure and through the Cloud Connector Synchronization Service makes a local backup in file system.

PARAMETER & Requirements:

\$ParameterString

A single string composed with the necessary attributes used for this script to authenticate into the SharePoint Site and to specify the destination backup directory.

Requirements:

Layer2 Cloud Connector v7.8.0.0 or above
PowerShell v4 or above
SharePoint On Premises 2013 or Office365

NOTES ATTRIBUTES:

[! IMPORTANT]

1. The required attributes are marked with: *
2. The optional attributes are marked with: ~

1. * SiteCollectionUrl
Full URL of the SharePoint-site collection.
2. * TargetPath
Path where the SharePoint libraries folder structure will be generated.
3. ~ ListsToSkip
Specify the name of the Libraries/Lists separated by Coma (,) that must be ignored.
4. * Authentication
Specify the Authentication method to be used depending if you do a back up from SharePoint Online or from SharePoint On Premises.

Valid Authentication methods for SharePoint:

- a). SharePoint Online: *ADFS or Office365*
- b). SharePoint On Premises: *Windows*

5. * User
Specify the User to authenticate into SharePoint.
For SharePoint:
 - a). Online: *myEmail@mySharePoint.com*
 - b). On Premises: *myDomain\myUser*

PowerShell: Back Up Script for SharePoint Online/On premises

6. ~ Password

Optionally you can specify the password of your SharePoint Site.
Otherwise the Script will ask for the password in a secure way.

7. ~ CloudConnectorInstallationDirectory

If the Cloud Connector is installed in a custom location and not in a default installation directory, e.g.: ProgramFiles or ProgramFiles(x86), then this attribute must be specified.

! Otherwise must not be included into the `$ParameterString`.

Issues:

Path too long: The destination Backup folder path cannot be more than 256-character long.

How to:

How to call the Script from the PowerShell command line with the correct parameter for SharePoint Online and SharePoint on Premises.

1. The Script must be invoked with one argument string, this string is the **`$ParameterString`**. And this `$ParameterString` can contain a maximum of Seven attributes, there are:

1. `SiteCollection=https://mySharePoint.com/sites/mySiteToBackup;`
2. `TargetPath=C:\myBackupDirectory;`
3. `ListsToSkip=Site Assets, Site Pages;`
4. `Authentication=ADFS;`
5. `User=myUser@mySharePoint.com;`
6. `Password=myPass;`
7. `CloudConnectorInstallationDirectory=myCustomCC-InstallDirectory`

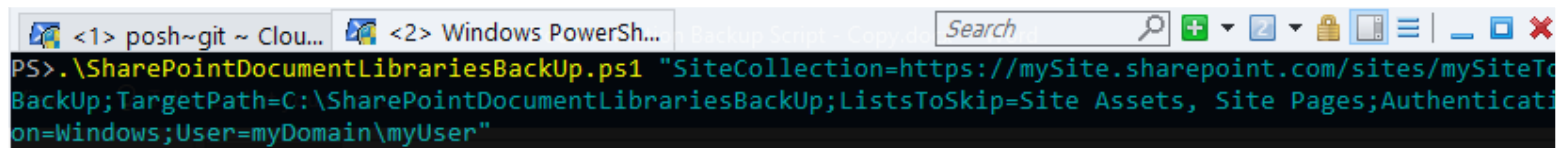
The `$ParameterString` must start and end with Double Quotes (" ") and the attributes must be divided by Semicolon(;), e.g.:

```
C:\myScriptDirectory\SharePointDocumentLibrariesBackup.ps1
"SiteCollection=https://mySharePoint.com/sites/mySiteToBackup; TargetPath=C:\
myBackupDirectory;ListsToSkip=Site Assets, Site Pages;
Authentication=ADFS;User=myUser@mySharePoint.com; Password=myPass;
CloudConnectorInstallationDirectory=myCustomCC-InstallDirectory"
```

* As mentioned before, the attributes `ListsToSkip`, `Password` and `CloudConnectorInstallationDirectory` can be omitted.

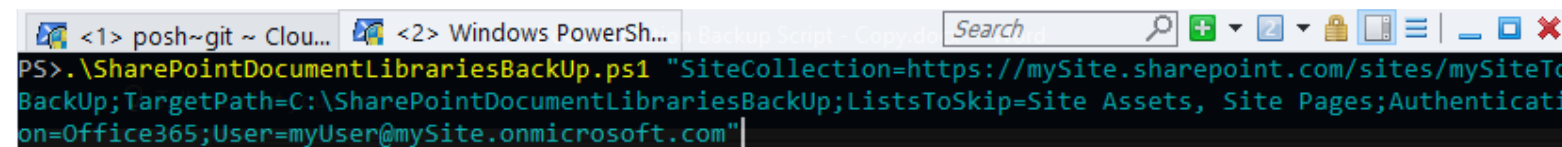
PowerShell: Back Up Script for SharePoint Online/On premises

1. Sample with **SharePoint On Premises** parameters:



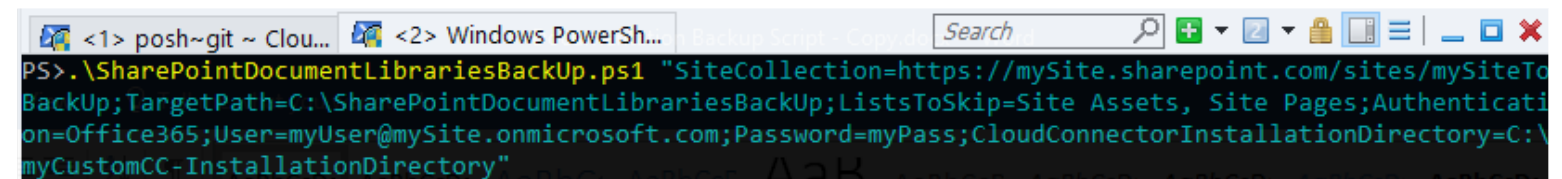
A screenshot of a Windows PowerShell terminal window. The title bar shows two tabs: "<1> posh~git ~ Clou..." and "<2> Windows PowerSh...". The command prompt shows the execution of the script `.\SharePointDocumentLibrariesBackUp.ps1` with the following parameters: `"SiteCollection=https://mySite.sharepoint.com/sites/mySiteToBackUp;TargetPath=C:\SharePointDocumentLibrariesBackUp;ListsToSkip=Site Assets, Site Pages;Authentication=Windows;User=myDomain\myUser"`.

2. Sample with **SharePoint Online** parameters:



A screenshot of a Windows PowerShell terminal window. The title bar shows two tabs: "<1> posh~git ~ Clou..." and "<2> Windows PowerSh...". The command prompt shows the execution of the script `.\SharePointDocumentLibrariesBackUp.ps1` with the following parameters: `"SiteCollection=https://mySite.sharepoint.com/sites/mySiteToBackUp;TargetPath=C:\SharePointDocumentLibrariesBackUp;ListsToSkip=Site Assets, Site Pages;Authentication=Office365;User=myUser@mySite.onmicrosoft.com"`.

3. Sample with SharePoint Online and all attributes:



A screenshot of a Windows PowerShell terminal window. The title bar shows two tabs: "<1> posh~git ~ Clou..." and "<2> Windows PowerSh...". The command prompt shows the execution of the script `.\SharePointDocumentLibrariesBackUp.ps1` with the following parameters: `"SiteCollection=https://mySite.sharepoint.com/sites/mySiteToBackUp;TargetPath=C:\SharePointDocumentLibrariesBackUp;ListsToSkip=Site Assets, Site Pages;Authentication=Office365;User=myUser@mySite.onmicrosoft.com;Password=myPass;CloudConnectorInstallationDirectory=C:\myCustomCC-InstallationDirectory"`.