

RestoreVersionBeforeLinkReplacement.ps1 – Instructions

This following script can be used to rollback SharePoint items (files, .aspx pages) to its last previous version prior to version changes resulting from broken links processing.

An excel file must first be assembled identifying each file requiring restoration along with the web Url of the site the file resides. The excel file is used as input by the master script (RestoreVersionBeforeLinkReplacement.ps1) to rollback versions accordingly.

IMPORTANT: Files/Items/Pages that have been modified AFTER the Find/Replace was performed will not be restored. This will preserve any manual changes made by a user.

Pre-Requisites

1. Download the [SharePoint Online Client Components SDK](#),
2. Windows 10 or Windows Server 2012 (or greater)
3. PowerShell Version 3.0
4. SharePoint Site Collection Administrator Permissions

Steps to Run Script:

1. Please verify the files you need to restore, a path to these files is required.
NOTE: Rely on the Broken Link Manager reporting features to identify and copy the ITEM URLs into Column A of the Excel file.
2. On a Windows 10 machine/Windows Server 2012+, Download the [SharePoint Online Client Components SDK](#) and install.
3. If you have not done so already, download and extract the script to your hosting computer
4. Edit the script 'RestoreVersionBeforeLinkReplacement.ps1' to include the correct login credentials as highlighted in yellow below (NOTE: The login credentials must be granted Site Collection Admin. Permission in SharePoint for each participating Site Collection hosting the files being restored:

```
function Restore-PreviousVersion($ItemUrl, $webUrl)
{
    try
    {
        Write-Host "Web URL- " $webUrl "Item URL- " $ItemUrl
        # $web = Get-SPWeb $ItemUrl

        # Initialize client context

        #-----
        #Admin User Principal Name
        $username = "tenantname@company.sharepoint.com"
        $password = "password"
        #-----

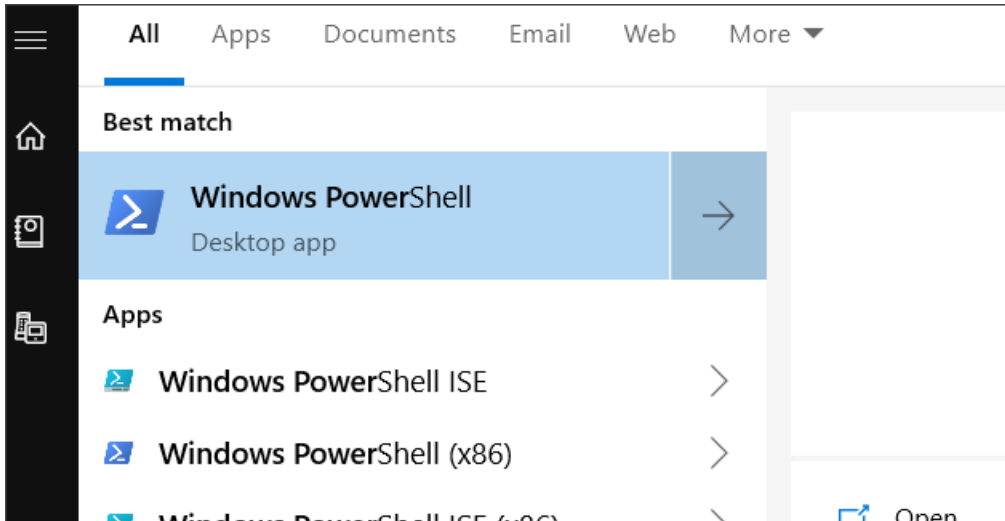
        $securePassword = ConvertTo-SecureString $password -AsPlainText -Force
    }
}
```

5. Replace existing excel file entries with your correct 'ItemURL' and 'WebUrl' values,


```

if($VersionComment -like "**Broken Link Manager**")
{
    $Check =1;
}
if ($Check -eq 1)
{
    #restore Logic
    if ($ctr -eq 1)
    {
        $VersionLabel=$file.Versions[0].VersionLabel
    }
    else
    {
        #Restore previous version
        $VersionLabel=$file.Versions[$ctr-1].VersionLabel
    }
}

```



8. Open the folder that contains the script attached,
9. Copy the path to the folder where script is located
10. Type:

`cd "<path>" (<path> being the folder location above)`

Example:

```

PS C:\Users\ChrisAng> cd "F:\Cognillo\Development Team - Documents\Scripts\RestoreVersionBeforeLinkReplacement"
PS F:\Cognillo\Development Team - Documents\Scripts\RestoreVersionBeforeLinkReplacement>

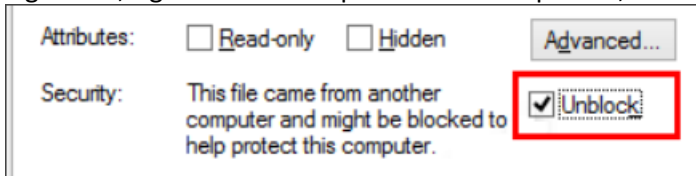
```

11. Then type or paste below:

`./RestoreVersionBeforeLinkReplacement`

NOTE: If you get an error running the script stating the file is blocked or does not have a Digital

Signature, right click the script file->Click Properties, then check 'Unblock' and click OK



12. The script will automatically run on the Item URLs you entered in step #5 above
13. A log will be generated as well, please review that after to see if there were any errors in restoring the previous version
14. Validate the file had the version restored correctly, repeat from step 5 but use the production ItemURLs to restore the original versions for them