

```
1 <#
2 .SYNOPSIS
3     This module contains functions used by HSC PowerShell functions related
4     to SharePoint Online.
5
6 .DESCRIPTION
7     The following functions are contained within it:
8     1. Connect-HSCSPOnline
9     2. Get-HSCSPOExclusionList
10
11 .NOTES
12     Written by: Jeff Brusoe
13     Last Updated by: Jeff Brusoe
14     Last Updated: September 2, 2020
15
16     Requires PnP PowerShell module:
17     https://docs.microsoft.com/en-us/powershell/sharepoint/sharepoint-
18     pnp/sharepoint-pnp-cmdlets?view=sharepoint-ps
19 #>
20 [Diagnostics.CodeAnalysis.SuppressMessageAttribute("PSAvoidTrailingWhiteSpace", "", Justification = "Not relevant")]
21 [Diagnostics.CodeAnalysis.SuppressMessageAttribute("PSAvoidUsingCmdletAliases", "", Justification = "Only MS Approved Aliases are Used")]
22 [CmdletBinding()]
23 param()
24
25 function Connect-HSCSPOnline
26 {
27     #To be implemented
28     return $null
29 }
30
31 function Get-HSCSPOExclusionList
32 {
33     <#
34     .SYNOPSIS
35         This function retrieve users who are in the HSC exclusion list from SharePoint
36         Online.
37
38     .DESCRIPTION
39         Users in the exclusion list include those with a null end date as well as ones
40         who still have
41         a valid end date set. This is a safety measure to ensure that certain users
42         are not disabled
43         due to incorrect settings.
44
45     .NOTES
46         Written by: Jeff Brusoe
47         Last Updated by: Jeff Brusoe
48         Last Updated: September 2, 2020
49 #>
50 [CmdletBinding()]
51 param (
52     [ValidateNotNull()]
53     [string]$SiteURL="https://wvuhsc.sharepoint.com/PowerShellDevelopment",
54     [ValidateNotNull()]
55     [string]$ListName= "DoNotDisableList"
```

```
55 )
56
57 try
58 {
59     Write-Verbose "Getting Connection Account"
60     $Account = Get-HSCConnectionAccount
61     Write-Verbose "Connection Account: $Account"
62
63     $EncryptedFilePath = Get-HSEncryptedFilePath
64     Write-Verbose "Encrypted File Path: $EncryptedFilePath"
65
66     Write-Verbose "Generating user credentials from file"
67     $Password = Get-Content $EncryptedFilePath | ConvertTo-SecureString
68 }
69 catch
70 {
71     Write-Warning "Unable to decrypt password"
72     Invoke-HSCExitCommand
73 }
74
75 try
76 {
77     Write-Verbose "Generating credential for $Account" | Out-Host
78
79     $Password = Get-Content $EncryptedFilePath | ConvertTo-SecureString
80     $Credential = New-Object -Type System.Management.Automation.PSCredential -
ArgumentList $Account, $Password
81
82     Write-Verbose "Successfully generated credential object"
83 }
84 catch
85 {
86     Write-Warning "Error generating credential. Unable to connect to
SharePointOnline"
87     Invoke-HSCExitCommand
88 }
89
90 try
91 {
92     Connect-PnPOnline -Url $SiteURL -Credentials $Credential
93
94     $ListItems = Get-PnPListItem -List $ListName -Fields "Title","End_x0020_Date"
#Use Get-PnPField to find these names
95
96     $ADExclusionList = @()
97
98     #Adds each user to an array as long as the "enddate" is null or >= current date
99     foreach ($ListItem in $ListItems)
100     {
101         if (($null -eq $ListItem["End_x0020_Date"]) -OR
([datetime]$ListItem["End_x0020_Date"] -ge (Get-Date)))
102         {
103             $ADExclusionList += $ListItem["Title"]
104         }
105     }
106
107     return $ADExclusionList
108 }
109 catch
110 {
```

```
111     Write-Warning "Unable to retrieve HSC exclusion list. Program is exiting."
112     Invoke-HSCExitCommand
113 }
114 }
115
116 #Export functions
117 Export-ModuleMember -Function Connect-HSCSPOnline
118 Export-ModuleMember -Function Get-HSCSPOExclusionList
```