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1 <#
2     .SYNOPSIS
3         This file is designed to generate distribution lists for the HSC Cancer
4         Center.
5
6     .DESCRIPTION
7         The lists are generated by searching various department groups if they
8         are present. If these groups are not present, then directory.hsc.wvu.edu will
9         be searched instead.
10
11     .NOTES
12         Written by: Jeff Brusoe
13         Last Updated: February 3, 2021
14 #>
15 [CmdletBinding(SupportsShouldProcess=$true)]
16 param (
17     [ValidateNotNullOrEmpty()]
18     [string]$CCDepartmentMap = "$PSScriptRoot\CancerCenterDepartmentMap.csv"
19 )
20
21 #Configure environment
22 try {
23     Set-HSCEnvironment -ErrorAction Stop
24
25     Write-Output "Department Map: $CCDepartmentmap"
26 }
27 catch {
28     Write-Warning "Unable to configure environment"
29 }
30
31 #Read mapping file
32 try {
33     $CCDepartments = Import-Csv $CCDepartmentMap -ErrorAction Stop
34
35     Write-Output "Department Map:"
36     Write-Output $CCDepartments
37 }
38 catch {
39     Write-Warning "Unable to read department map"
40     Invoke-HSCExitCommand -ErrorAction Stop
41 }
42
43 foreach ($CCDepartment in $CCDepartments)
44 {
45     try {
46         $DepartmentName = $CCDepartment.DepartmentName
47         Write-Output "Department Name: $DepartmentName"
48         Write-Output $("URL: " + $CCDepartment.URL)
49
50         $DepartmentListFile = "$PSScriptRoot\GeneratedLists\" +
51             (Get-Date -Format yyyy-MM-dd) +
52             "-$DepartmentName.txt"
53
54         Write-Output "`nDepartment List File: $DepartmentListFile"
55
56         New-Item -ItemType File -Path $DepartmentListFile -ErrorAction Stop -Force
57     }
58     catch {
59         Write-Warning "Unable to generate department list file"
```

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60 }
61
62 if ($CCDepartment.Group -eq "NoGroupInformation")
63 {
64     #Pull user info from directory.hsc.wvu.edu
65     try {
66         $CancerCenterDLParams = @{
67             URL = $CCDepartment.URL
68             EmailSeparator = $CCDepartment.EmailSeparator
69             ErrorAction = "Stop"
70             Verbose = $true
71         }
72
73         $DLMembers = Get-HSCDepartmentDirectoryFromWeb @CancerCenterDLParams
74
75         Add-Content -Path $DepartmentListFile -Value $DLMembers -ErrorAction Stop
76     }
77     catch {
78         Write-Warning "Error calling Get-HSCDepartmentDirectoryFromWeb"
79     }
80 }
81 else
82 {
83     #Pull user info from AD Groups
84     Write-Output $("Department Group: " + $CCDepartment.Group)
85
86     try {
87         GetHSCADGroupMemberParams = @{
88             ADGroupName = $CCDepartment.Group
89             ErrorAction = "Stop"
90             Verbose = $true
91         }
92
93         $DLMembers = Get-HSCADGroupMember @GetHSCADGroupMemberParams
94
95         Add-Content -Path $DepartmentListFile -Value $DLMembers -ErrorAction Stop
96     }
97     catch {
98         Write-Warning "Unable to pull group information"
99     }
100 }
101
102 Write-Output "*****"
103 }
```