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1  #Get-ExchangeForwardingSMTPAddress.ps1
2  #Written by: Jeff Brusoe
3  #Last Updated: April 21, 2020
4  #
5  #Purpose: This file logs the Office 365 Exchange forwarding SMTP addresses
6
7  [CmdletBinding()]
8  param (
9      #Common HSC PowerShell Parameters
10     [switch]$NoSessionTranscript,
11     [string]$LogFilePath = "$PSScriptRoot\Logs",
12     [switch]$StopOnError, #true is used for testing purposes
13     [int]$DaysToKeepLogFiles = 5 #this value used to clean old log files
14 )
15
16 $Error.Clear()
17 Clear-Host
18 Set-StrictMode -Version Latest
19
20 ##$SessionTranscriptFile = "$PSScriptRoot\Logs\" + (Get-Date -Format yyyy-MM-dd-HH-mm)
21 + "-SessionTranscript.txt"
22 ##Start-Transcript $SessionTranscriptFile
23
24 #####
25 # Build path to HSC PowerShell Modules #
26 #####
27
28 $PathToHSCPowerShellModules = $PSScriptRoot
29 $PathToHSCPowerShellModules =
30 $PathToHSCPowerShellModules.substring(0,$PathToHSCPowerShellModules.lastIndexOf("\")+1)
31 $PathToHSCPowerShellModules += "HSC-PowerShell-Modules"
32 Write-Output $PathToHSCPowerShellModules
33
34 #Attempt to load common code module
35 $CommonCodeModule = $PathToHSCPowerShellModules + "\HSC-CommonCodeModule.psml"
36 Write-Output "Path to common code module: $CommonCodeModule"
37 Import-Module $CommonCodeModule -Force -ArgumentList
38 $NoSessionTranscript,$LogFilePath,$true,$DaysToKeepLogFiles
39
40 #Attempt to load HSC Office 365 Module
41 $Office365Module = $PathToHSCPowerShellModules + "\HSC-Office365Module.psml"
42 Write-Output "Path to HSC Office 365 module: $Office365Module"
43 Import-Module $Office365Module -Force
44
45 if ($Error.Count -gt 0)
46 {
47     #This would imply an error loading the HSC PS modules.
48     Write-Warning "Error loading HSC PowerShell modules. Program is exiting."
49     Stop-Transcript
50     return
51 }
52
53 #####
54 # End of block to load HSC PowerShell Modules #
55 #####
56
57 #####
58 #Configure environment block#
59 #####
60 Write-Output "Getting Parameter Information"
61 Get-Parameter -ParameterList $PSBoundParameters #Here for logging purposes
62
63 Set-Environment
64 Set-WindowTitle
65
66 #See this page to understand what is going on here.
67 #https://www.thecloudjournal.net/2016/07/create-your-own-powershell-module-for-exchange-o

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65 nline/
66 ConnectTo-Office365 #from Office 365 module
67
68 #####
69 #End of environment configuration block#
70 #####
71 $LogFile = "$PSScriptRoot\Logs\" + (Get-Date -Format yyyy-MM-dd-HH-mm) +
    "-ForwardingSMTPAddress.csv"
72 New-Item -type file -Path $LogFile -Force
73
74 try
75 {
76     Write-Output "`n`nGenerating list of mailboxes..."
77     $Mailboxes = Get-Mailbox -ResultSize Unlimited -ErrorAction Stop
78 }
79 catch
80 {
81     Write-Error "Unable to generate list of mailboxes. Program is exiting"
82     Exit-Command
83 }
84
85
86 foreach ($Mailbox in $Mailboxes)
87 {
88     Write-Output ("Current Mailbox: " + $Mailbox.PrimarySMTPAddress)
89
90     if ([string]::IsNullOrEmpty($Mailbox.ForwardingSMTPAddress))
91     {
92         Write-Output "No forwarding SMTP address"
93     }
94     else
95     {
96         Write-Output $("Forwarding SMTP Address: " + $Mailbox.ForwardingSMTPAddress)
97         $Mailbox | select PrimarySMTPAddress,ForwardingSMTPAddress | Export-Csv
            $LogFile -Append
98     }
99
100     Write-Output "*****"
101 }
102
103 if (!$NoSessionTranscript)
104 {
105     Write-Verbose "Stopping Transcript"
106     Stop-Transcript
107 }
108
109 Exit

```