```powershell
<#
  .SYNOPSIS
    This file imports mailboxes from the WVU Foundation tenant
    to the HSC tenant as mail contacts. Input to the file is provided from the
    Get-WVUFAddressBook.ps1 file.

  .PARAMETER DeleteOnly
    A value of true for this parameter tells the file to only delete contacts that
are
    outdated instead of searching for changes.

  .NOTES
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    Last Updated: February 2, 2021
#>

[CmdletBinding()]
param (
  [switch]$DeleteOnly,
  [string]$ImportFile = $null
)

try {
  Write-Verbose "Configuring Environment"
  Set-HSCEnvironment -ErrorAction Stop

  Write-Verbose "Connecting to Exchange Online"
  Connect-HSCExchangeOnline -ErrorAction Stop

  Write-Verbose "Determining Import File"
  if ($null -eq $ImportFile) {
    $ImportFile = Split-Path $PSScriptRoot -Parent
    $ImportFile = "$ImportFile\Get-WVUFAddressBook\Logs\" +
            (Get-Date -Format yyyy-MM-dd) +
            "-WVUFAddressBook.csv"
  }

  if (Test-Path $ImportFile) {
    Write-Output "Import File: $ImportFile"
  }
  else {
    Write-Warning "Import file doesn't exist."
    throw "Import File Doesn't Exist Exception"
  }

  Write-Verbose "Done configuring environment"
}
catch {
  Write-Warning "Unable to configure HSC Environment"
  Invoke-HSCExitCommand -ErrorCount $Error.Count
}

#Read export file from Get-MainCampusMailbox.ps1
try {
  $WVUFMailboxes = Import-Csv $ImportFile -ErrorAction Stop
}
catch {
  Write-Warning "Unable to open import file"
  Invoke-HSCExitCommand -ErrorCount $Error.Count
}
```

```powershell

#####################
# Begin WVUF Import #
#####################
if (!$DeleteOnly)
{
  foreach ($WVUFMailbox in $WVUFMailboxes)
  {
    $PrimarySMTPAddress = $WVUFMailbox.PrimarySMTPAddress.Trim()
    $DisplayName = $WVUFMailbox.LastName + ", " + $WVUFMailbox.FirstName
    $Alias = $WVUFMailbox.Alias

    Write-Output "Primary SMTP Address: $PrimarySMTPAddress"
    Write-Output "Display Name: $DisplayName"
    Write-Output "Alias: $Alias"

    try {
      $NewMailContactParams = @{
        Name = $DisplayName
        ExternalEmailAddress = $PrimarySMTPAddress
        FirstName = $WVUFMailbox.FirstName
        LastName = $WVUFMailbox.LastName
        DisplayName = $DisplayName
        Alias = $Alias
        ErrorAction = "Stop"
      }

      New-MailContact  @NewMailContactParams

      Write-Output "Mail contact created"
      Start-Countdown -Seconds 5 -Message "Delay after creating new email contact"
    }
    catch {
      Write-Output "Mail contact already exists"
    }

    Write-ColorOutput -ForegroundColor "Cyan" -Message "Updating New Contact Information"

    $Department = "WVUF " + $WVUFMailbox.Department

    Write-Output "Setting Phone Number, Title, and Department"
    Write-Output $("Phone Number: " + $WVUFMailbox.Phone)
    Write-Output $("Title: " + $WVUFMailbox.Title)
    Write-Output "Department: $Department"

    try {
      $SetContactParams = @{
        Identity = $PrimarySMTPAddress
        Phone = $WVUFMailbox.Phone
        Title = $WVUFMailbox.Title
        Department = $WVUFMailbox.Department
        DisplayName = $DisplayName
        ErrorAction = "Stop"
      }

      Set-Contact @SetContactParams
    }
    catch {
      Write-Warning "Error updating contact fields"
```

```
119     }
120
121     try {
122       Set-Mailcontact -Identity $PrimarySMTPAddress -Alias $Alias -ErrorAction Stop
123     }
124     catch {
125       Write-Warning "Error updating alias field"
126     }
127
128     try {
129       Write-Output "Setting CustomAttribute1 to WVU MainCampus"
130       Write-Output "Setting CustomAttribute7 with TimeStamp"
131
132       $SetMailContactParams = @{
133         Identity = $PrimarySMTPAddress
134         CustomAttribute1 = "WVUFoundation"
135         CustomAttribute7 = $(Get-Date -format d) #Flag to track when import was
    done
136         ErrorAction = "Stop"
137       }
138
139       Set-MailContact @SetMailContactParams
140     }
141     catch {
142       Write-Warning "Unable to configure CustomAttribute1/7"
143     }
144
145     Write-Output "****************************************"
146   }
147 }
148
149 ################################
150 # Begin Deleting WVUF Contacts #
151 ################################
152 Write-Output "Beginning to remove old WVUF mail contact objects"
153
154 try {
155   $WVUFMailContacts = Get-MailContact -ResultSize Unlimited -ErrorAction Stop |
156     Where-Object {$_.PrimarySMTPAddress -like "*@wvuf.org*"}
157
158   Write-Output "Successfully pulled list of WVUF Mail Contacts"
159 }
160 catch {
161   Write-Warning "Unable to pull list of WVUF mail contacts"
162   Invoke-HSCExitCommand -ErrorCount $Error.Count
163 }
164
165 Write-Output $("Number of WVUF Mail Contacts: " + $WVUFMailContacts.Count)
166
167 foreach ($WVUFMailContact in $WVUFMailContacts)
168 {
169   Write-Output $("Current Mail Contact: " + $WVUFMailContact.PrimarySMTPAddress)
170   if ($WVUFMailboxes.PrimarySMTPAddress -contains
    $WVUfMailContact.PrimarySMTPAddress){
171     #Mail contact is in file and will not be deleted
172     Write-Output "Mail contact will not be deleted"
173   }
174   else {
175     #Mail contact is not in file and will be deleted
176     Write-Output "Mail contact is being deleted"
```

```
177
178     try {
179       $WVUFMailContact | Remove-MailContact -Confirm:$false -ErrorAction Stop
180
181       Write-Output "Successfully deleted mail contact"
182       Start-Sleep -s 2
183     }
184     catch {
185       Write-Warning "Unable to remove mail contact"
186     }
187   }
188
189   Write-Output "********************"
190 }
191
192 Invoke-HSCExitCommand -ErrorCount $Error.Count
```