Tatiana Zamachnaia

Tatiana.Zamachnaia2@canada.ca

March 5, 2021

Abstract

This document describes Tool’s functionality, deployment and configurations

Outlook Profile Transition Tool  
V 3.0

Contents

[Tool Description 2](#_Toc65857851)

[Main Functionality 2](#_Toc65857852)

[User Interaction 2](#_Toc65857853)

[Bilingual Support 3](#_Toc65857854)

[Logging 3](#_Toc65857855)

[Log Files Location 3](#_Toc65857856)

[The Package 3](#_Toc65857857)

[Executable 3](#_Toc65857858)

[Tool Configurations File 4](#_Toc65857859)

[Dependencies 4](#_Toc65857860)

[Resource Files for Bilingual Support 4](#_Toc65857861)

[OutllokProfileTransitionWizard.exe.config file and App.Config Settings 4](#_Toc65857862)

[Pre-Requisites and Dependencies 5](#_Toc65857863)

[.NET Framework V.4.0 5](#_Toc65857864)

[AD Group for Migrated Users 5](#_Toc65857865)

[Folder for Log Files 5](#_Toc65857866)

[Scheduled Task 5](#_Toc65857867)

[Network and VPN Connection 6](#_Toc65857868)

[Configuration Settings 6](#_Toc65857869)

[App Settings 6](#_Toc65857870)

[Resource Files 7](#_Toc65857871)

[French Canadian Messages 7](#_Toc65857872)

[English Messages 8](#_Toc65857873)

[Deployment 9](#_Toc65857874)

[Recommended Cleanup 9](#_Toc65857875)

# Tool Description

The Outlook Profile Transition Tool deletes the Outlook Profile for the user and removes everything associated with the Profile.

It then prompts the user to open Outlook in order to create a new Profile and get all email from the new repository.

## Main Functionality

[Scheduled Task](#_Scheduled_Task) starts the Tool’s executable file.

The Tool performs the following:

1. Checks if it had already successfully reset the Outlook for the currently logged on user.
2. Checks if current User’s Outlook Profile is present.
3. Checks if Outlook Desktop App is opened and prompts the user to close it.
4. Checks if the user has been migrated (by checking user membership in the AD Group to which the user is added after migration).
5. If all conditions are met, clears the Outlook Profile for the user.
6. Creates a setting indicating that the Outlook Profile for the user is reset so it will not run second time.
7. Disables Scheduled Task.
8. Checks if the user is connected to the VPN.
9. Prompts the user to start the Outlook in order to configure a new profile.

## User Interaction

The Tool runs in the silent mode. There will be no Wizard-like UI to guide the user through the process.

The only interactions of the user with the Tool are as follow:  
  
- Prompt to close Outlook if open  
- Notification that the Outlook failed to close  
- If not connected to VPN, prompt to connect to VPN and start Outlook (checking for convenience, since the users might be on different internal networks, not a hard pre-requisite as the user would not be able to start Outlook if not on the network).

These messages are displayed in the official language that the user selected for the OS.

## Bilingual Support

All user prompts and messages are displayed in either official language, determined by the current OS language.

The messages are provided in the satellite resource files for each culture (en-ca and fr-ca). If required, modify accordingly. The instructions are below.

## Logging

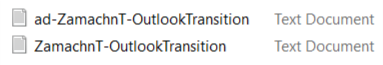
### Log Files Location

The Tool will be creating log files within the specified folder. The Tool will be logging successful steps, missing pre-requisites and errors, if any.

The Tool will be creating the logs for each user that is using the workstation. It is imperative to create the folder for the Tool on the C drive.

Read/Write permissions for the folder are required.

*Example:*



The Log Folder path is defined in the AppSettings section of the [Tool Configuration File](#_OutllokProfileTransitionWizard.exe.).

# The Package

The package contains the following files:

## Executable

*OutllokProfileTransitionWizard.exe* – the Application that resets Outlook Profile.

## Tool Configurations File

*OutllokProfileTransitionWizard.exe.config* – XML Configuration File (App.config). This file contains all Partner-specific settings that need to be modified in order to match each specific environment.

## Dependencies

*Microsoft.Management.Infrastructure.dll*

*System.Management.Automation.dll*

## Resource Files for Bilingual Support

*OutlookReset.en-ca.resx*

Resource file containing English message

*OutlookReset.fr-ca.resx*

Resource file containing French message

## OutllokProfileTransitionWizard.exe.config file and App.Config Settings

Below is an example of the app.config settings. The settings you need to modify are in the <***appSettings***> section.

<?xml version="1.0" encoding="utf-8"?>

<configuration>

<startup>

<supportedRuntime version="v4.0" sku=".NETFramework,Version=v4.0" />

</startup>

<appSettings>

<add key="LoggingFolderPath" value="C:\SSCOutlookReset" />

<!-- Depending on how you set up your envirnment, use either Person or User-->

<add key="ADSearchCriteria" value="Person" />

<add key="MigrationADGroup" value="OU=SSC,CN=Users,OU=GC,DC=ad,DC=pwgsc-tpsgc,DC=gc,DC=ca" />

<add key="MigrationScheduledTaskName" value="Outlook 365 Transition - " />

<add key="ClientSettingsProvider.ServiceUri" value="" />

</appSettings>

<system.web>

<membership defaultProvider="ClientAuthenticationMembershipProvider">

<providers>

<add name="ClientAuthenticationMembershipProvider" type="System.Web.ClientServices.Providers.ClientFormsAuthenticationMembershipProvider, System.Web.Extensions, Version=4.0.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35" serviceUri="" />

</providers>

</membership>

<roleManager defaultProvider="ClientRoleProvider" enabled="true">

<providers>

<add name="ClientRoleProvider" type="System.Web.ClientServices.Providers.ClientRoleProvider, System.Web.Extensions, Version=4.0.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35" serviceUri="" cacheTimeout="86400" />

</providers>

</roleManager>

</system.web>

</configuration>

# Pre-Requisites and Dependencies

## .NET Framework V.4.0

The Tool runs on .NET Framework 4.0 that is available on Win 10 and most modern Win OS.

## AD Group for Migrated Users

Create an AD Security Group to act as a container for the migrated users. Migrated users will be added to this Group after successful migration.

The name of this Group will be used in the app.config (MigrationADGroup in App Settings).

## Folder for Log Files

Create folder on the C drive and set the value (full path) in the app.config (LoggingFolderPath in App Settings).

*Example:*

<add key="LoggingFolderPath" value="C:\SSCOutlookReset" />

Assure that the folder has Read/Write permissions for all logged users.

## Scheduled Task

A Scheduled Task, created through GPO, that starts the Tool’s EXE file and runs in the context of the User

Up to the Partner to configure how often the scheduled task will run. Recommendation is every 5 min

The Scheduled Task must be run in the ***Context of the User***

Must use “Create” action in order for the Tool disable the Schedule Task upon completion

Task name must match the *MigrationScheduledTaskName* value in the *app.config* settings of the config file

<add key="MigrationScheduledTaskName" value="Outlook 365 Transition - " />

## Network and VPN Connection

Computer is connected to the network and user is connected to VPN

# Configuration Settings

## App Settings

The Configuration Settings must be modified to reflect the specific settings of each Partner. This is a pre-requisite for the Tool’s Deployment.

To prepare Configuration Settings, follow these steps:

1. Located and open *OutllokProfileTransitionWizard.exe.config* file supplied with the package.

2. Locate the <*appSettings*> section:

<appSettings>

…. The settings that you need to modify are located here…..

</appSettings>

3. Locate the *LoggingFolderPath* key to set the Folder for the Log files.   
Modify the value. Make sure that you provide the full path (including the drive). Note that this folder must have read/write permissions.

*Example:*

<add key="LoggingFolderPath" value="C:\SSCOutlookReset" />

3. Locate the *ADSearchCriteria* key to set property that is used by the Directory Searcher ObjectCategory.   
Modify the value to suit your environment.

*Example:*

<!-- Depending on how you set up your environment, use either Person or User-->

<add key="ADSearchCriteria" value="Person" />

3. Locate the *MigrationADGroup* key to set value matching the AD Group that acts as a container for the migrated users.

*Example:*

<add key="MigrationADGroup" value="OU=SSC,CN=Users,OU=GC,DC=ad,DC=pwgsc-tpsgc,DC=gc,DC=ca" />

4. Locate the *MigrationScheduledTaskName* key to set exact name of the Scheduled Task that you configured in the previous steps.

*Example:*

<add key="MigrationScheduledTaskName" value="Outlook 365 Transition - " />

Make sure that after the tags are properly formed/closed after you finished all modifications.

## Resource Files

Two resource files are provided for bilingual support. It currently contains the strings that should be sufficient for providing the users with the feedback. However, if there is a need to modify these messages, it can be easily done by using the following steps:

### French Canadian Messages

Locate the *OutlookReset.fr-ca.resx* resource file and open it with the editor of your choice.

Locate the following entries at the very bottom of the file:

<data name="**MigrateMsg**" xml:space="preserve">

<value>**Outlook est prêt à configurer votre nouveau courrier électronique.`r`nAppuyez sur OK pour continuer.**</value>

</data>

<data name="**MigrateMsgOutlookOpened**" xml:space="preserve">

<value>**Outlook doit se fermer pour configurer votre nouveau courrier électronique.`r`nVeuillez fermer toutes les fenêtres Outlook et cliquez sur OK**.</value>

</data>

<data name="**MigrateOutlookFailedToClose**" xml:space="preserve">

<value>**Outlook.exe n'a pas réussi à fermer**.</value>

</data>

<data name="**MigrationCompleteMsg**" xml:space="preserve">

<value>**Migration d'Outlook terminée!`r`nRemarque: le téléchargement des courriers électroniques pourrait prendre quelques minutes.`r`nAppuyez sur OK pour lancer Outlook**.</value>

</data>

<data name="**MigrationCompleteMsgNoVPN**" xml:space="preserve">

<value>**Migration d'Outlook terminée!`r`nVeuillez vous connecter au VPN et ouvrir Outlook.**</value>

</data>

<data name="**Title**" xml:space="preserve">

<value> **Outlook Transition**</value>

</data>

Modify the messages in question (between the <value> and the </value> tags).

Save and Close the file.

Do NOT modify the *name*.

Make sure that the file is properly formatted before saving (all tags have opening/closing, proper escape sequence is used for all “illegal” characters).

### English Messages

Locate the *OutlookReset.en-ca.resx* resource file and open it.

Locate the following entries at the very bottom of the file:

<data name="**MigrateMsg**" xml:space="preserve">

<value>**Outlook is ready to setup your new email.`r`nPress OK to proceed.**</value>

</data>

<data name="**MigrateMsgOutlookOpened**" xml:space="preserve">

<value>**Outlook needs to close to setup your new email.`r`nPlease close all Outlook windows and click OK**.</value>

</data>

<data name="**MigrateOutlookFailedToClose**" xml:space="preserve">

<value>**Outlook.exe failed to close.**</value>

</data>

<data name="**MigrationCompleteMsg**" xml:space="preserve">

<value>**Outlook Migration Completed!`r`nNote: Emails could take a few minutes to download.`r`nPress OK to launch Outlook**.</value>

</data>

<data name="**MigrationCompleteMsgNoVPN**" xml:space="preserve">

<value>**Outlook Migration Completed!`r`nPlease connect to VPN and open Outlook**.</value>

</data>

<data name="**Title**" xml:space="preserve">

<value>**Outlook Transition**</value>

</data>

Modify the messages in question (between the <value> and the </value> tags).

Save and Close the file.

Do NOT modify the *name*.

Make sure that the file is properly formatted before saving (all tags have opening/closing, proper escape sequence is used for all “illegal” characters).

# Deployment

The Tool and its satellite files are deployed to the User Machines. While there are many options, it is strongly recommended to deploy the package containing the Tool and satellite files via SCCM.

AD Group to Deploy GPO is required, but most Partners should already have this prerequisite.

The Tool must be deployed to the C drive, in order to be able to execute it for all users that are utilizing the workstation.

The Tool is installed by the XCOPY Deployment.

# Recommended Cleanup

The following Cleanup is recommended post migration:

1. Delete Scheduled Task
2. Delete the Tool EXE and satellite files
3. Delete Folder with Log Files

Checking existance of ZeroConfigExchangeOnce at HKCU:\Software\Microsoft\Office\16.0\Outlook\AutoDiscover

[11:36] Demasi, Vince (WD/DEO)

ZeroConfigExchangeOnce

[11:36] Demasi, Vince (WD/DEO)

ZeroConfigExchangeOnceCompleted