# Office AMS: OneDRIVE Provisioning

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| Summary: | Applies to: |
| This sample demonstrates how to migrate documents from onpremise mysite to OneDrive for Business on Office 365 | * Office 365 Multi-Tenant * Sharepoint 2010 Mysite |
| Solution: | Contoso.Core.OneDriveDocumentMigration, version 1.0 |
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| //\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  // THIS CODE IS PROVIDED \*AS IS\* WITHOUT WARRANTY OF  // ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING ANY  // IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR  // PURPOSE, MERCHANTABILITY, OR NON-INFRINGEMENT.  //\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* | |

## Version log

Change log between different releases.

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| --- | --- |
| Version | Notes |
| 1.0 | Initial version. |
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# General comments

As part of the new Client Side Object Model (CSOM) assemblies released in the [SharePoint Online Client Components SDK](http://www.microsoft.com/en-us/download/details.aspx?id=42038), we now have many new capabilities and improvements. One specifically is the capability to programmatically upload files to One Drive for Business sites in Office 365.

Migrating users’ files from existing SharePoint 2010 MySite to Office One Drive for Business sites in Office 365 can be done manually which is not very feasible solution when multiple thousand users and files are concerned. This solution is build for automation where a lot of users with a lot of files are to be migrated. This solution reads folder structure from MySite (Personal Document, Shared Documents and Shared Pictures) with subfolders and creates equivalent scructure and mapping in OneDrive. If user has created other lists in MySite, this solution does not take those into account. The solution can be run multiple times as there is an attribute to not overwrite existing files.

The users and their Mysite/OneDrive tokens are provided via comma-separated file (.csv, sample attached). The same csv file could be used for automated OneDrive for Business site promotion (small changes to Core.OneDriveProvision needed, however).

# Dependencies

•Microsoft.SharePoint.Client.dll

•Microsoft.SharePoint.Client.Runtime.dll

•Microsoft.SharePoint.Client.UserProfiles

# CSV File example

CSV file containing relevat user information. First line is removed in solution.

|  |  |  |
| --- | --- | --- |
| SpoOneDriveUserName | SpoOneDriveUserEmail | OnPremUserName |
| frodobanks | FrodoBanks@poc.onmicrosoft.com | Plifispen |
| bilboburrows | BilboBurrows@poc.onmicrosoft.com | noter1958 |

# Solution parameters

Command-line parameters are to be provided in order to make solution work.

Parameters:

0 - Sharepoint Online Admin Url ("https://poc-admin.sharepoint.com")

1 - Sharepoint Online Onedrive url with placeholder ("https://poc-my.sharepoint.com/personal/{0}\_poc\_onmicrosoft\_com")

2 - Sharepoint Online Admin name ("admin@poc.onmicrosoft.com")

3 - Sharepoint Online Admin password ("pass@word1")

4 - path to CSV File (C:\temp\users.csv)

5 - Onprem mysite url with placeholder ("http://mysite/personal/{0}")

6 - Onprem admin name (admin)

7 - Onprem admin password (pass@word1)

8 - Overwrite files in SPO

## EXAMPLE:

Contoso.Core.OneDriveDocumentMigration https://poc-admin.sharepoint.com https://poc-my.sharepoint.com/personal/{0}\_poc\_onmicrosoft\_com admin@poc.onmicrosoft.com password C:\Scripts\skriptit\DocumentMigration\_Example.csv http://mysite/personal/{0} administrator password false