



Go365 - Automate your own data migration.

OAuth/OIDC-based web application that allows functional users within an organization to enqueue their own data migrations from Google Drive to SharePoint Online or OneDrive for Business. Google Takeout does not offer these services.

A given user signs into the app with single-sign-on (via Azure AD) and authorizes the application to read/write their own data in SharePoint / OneDrive. They also sign into Google and authorize the app to read (not write) their Google data. They then select a source in Google they want to migrate (a folder or a shared drive), and a destination in either SharePoint Online or their OneDrive for Business account.

After they confirm their choices, the app runs an initial asynchronous scan of the data to be migrated to offer some key initial insights about data that can and cannot be migrated. The scan runs asynchronously as a serverless function with AWS Lambda, which posts the scan results back to the web app which then saves the result to the database.

The user, who can monitor the status of the scan from the front end of the app, views the scan results once they are ready. They can then start the migration from the scan results page.

The migration job similarly runs asynchronously as a serverless AWS Lambda function; this function spins up its own S3 bucket, downloads the Google source data in batches into that bucket, and uploads those batches into the specified SPO or OneDrive for Business destination.

Once the migration job completes, it posts the migration job results back to the web app (which runs a REST API with Django REST Framework).

The web app then (optionally, up to the admin) sends notifications to the user via email and/or SMS (using Twilio) about the completion of the migration job.