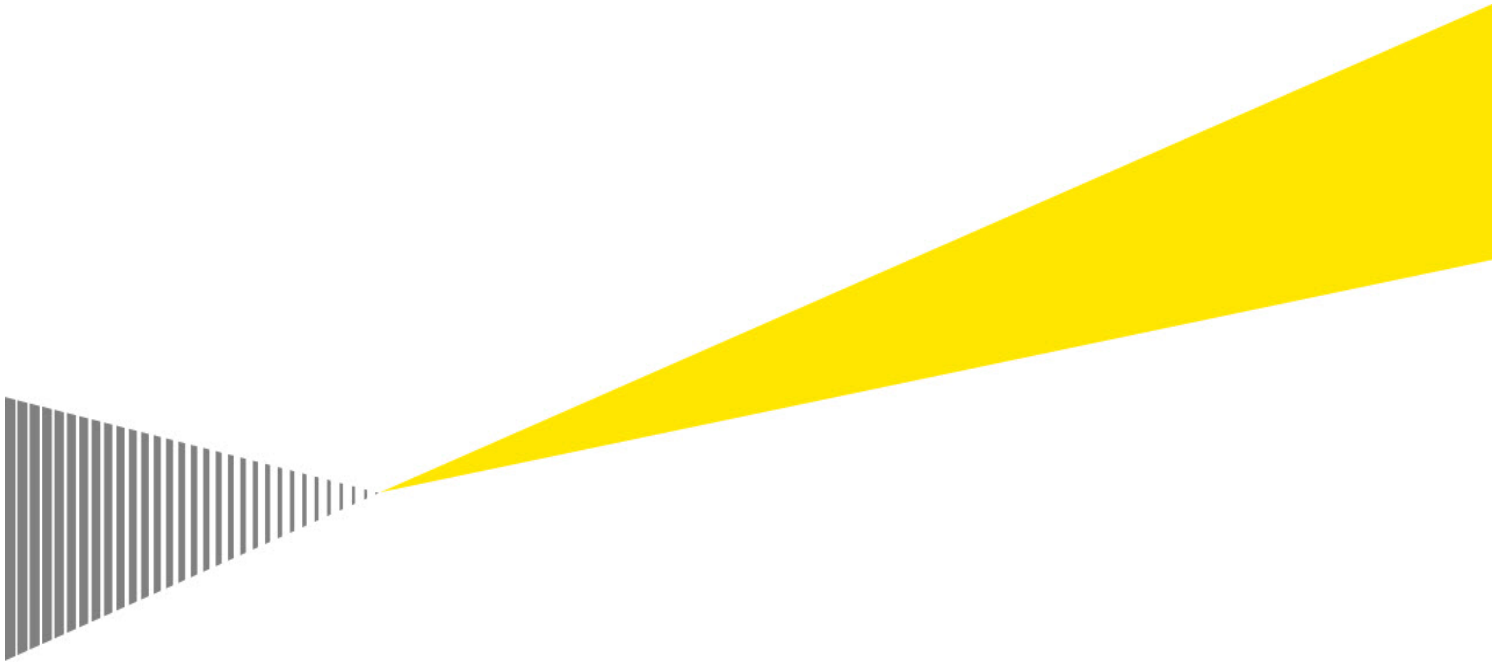
GAMx to EY Canvas Migration Process

1 March 2015



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1 Overview

1.1 Purpose

This document provides a technical process overview of GAMx to EY Canvas file migration.

1.2 Assumptions

- Canvas supports GAMx 7.1 and GAMx-SA 3.1 version for migration.
- EY Canvas is compliant with MS Office 2010 files (.docx, .xlsx, pptx).
- Evidence files in older versions of MS Office will be automatically converted into .docx, .xlsx and .pptx files during migration.
- Files that do not have MS Office extensions will be copied as-is.
- The user must be connected to the EY network for successful migration.

1.3 Migration Initiation Options

The EY Canvas migration process is accessed either from the **Landing Page > Engagement** cog option, or upon successful submission of an Engagement profile. End users initiate the process by electing to:

1. Upload the GAMx files from a local disk, or
2. Transfer from the ARC database

1.4 Documented Issues That May Cause Migration Failure

1. The user attempts to migrate an unsupported version of GAMx.
2. The GAMx file includes a corrupt document.
3. The user selects a language other than English.

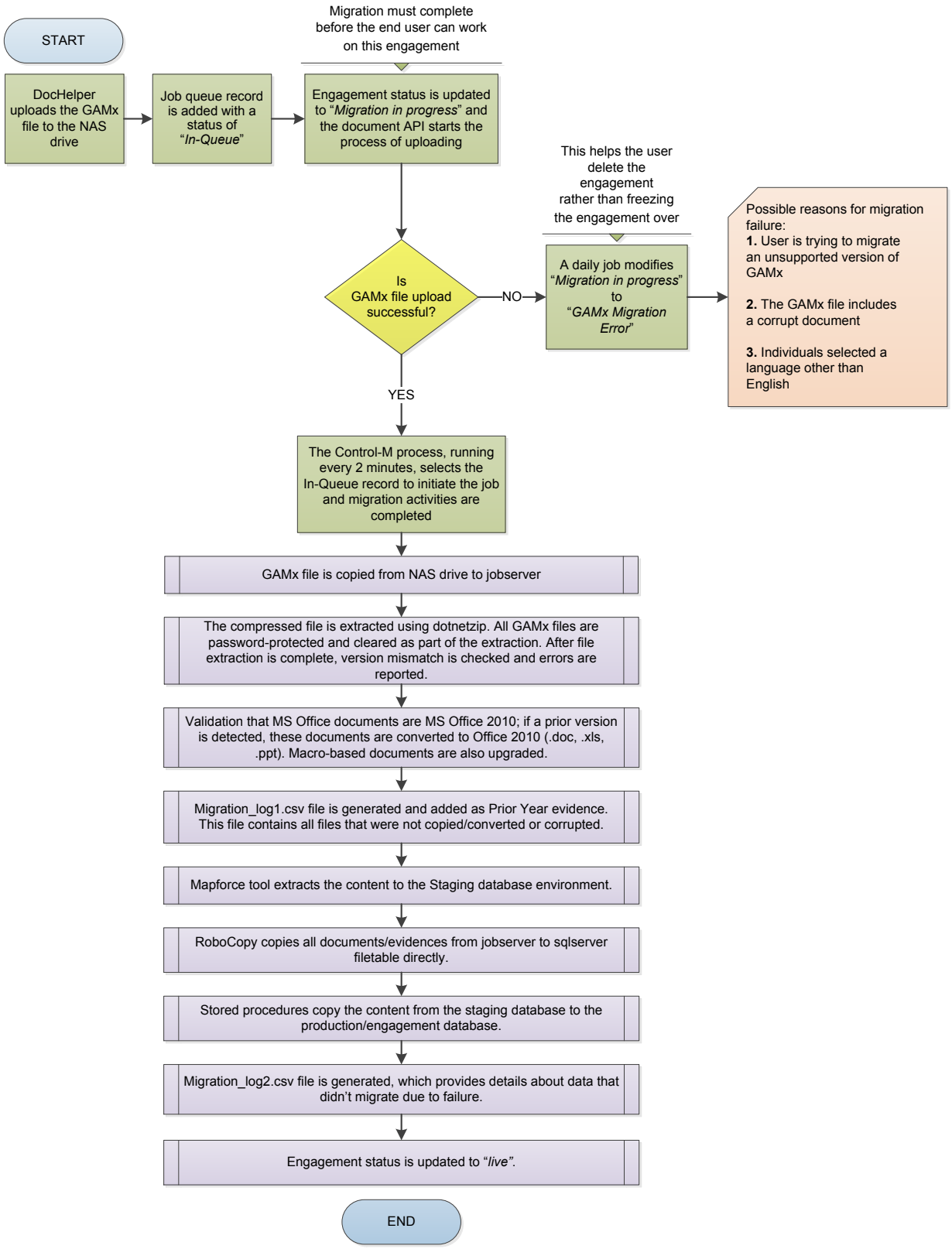
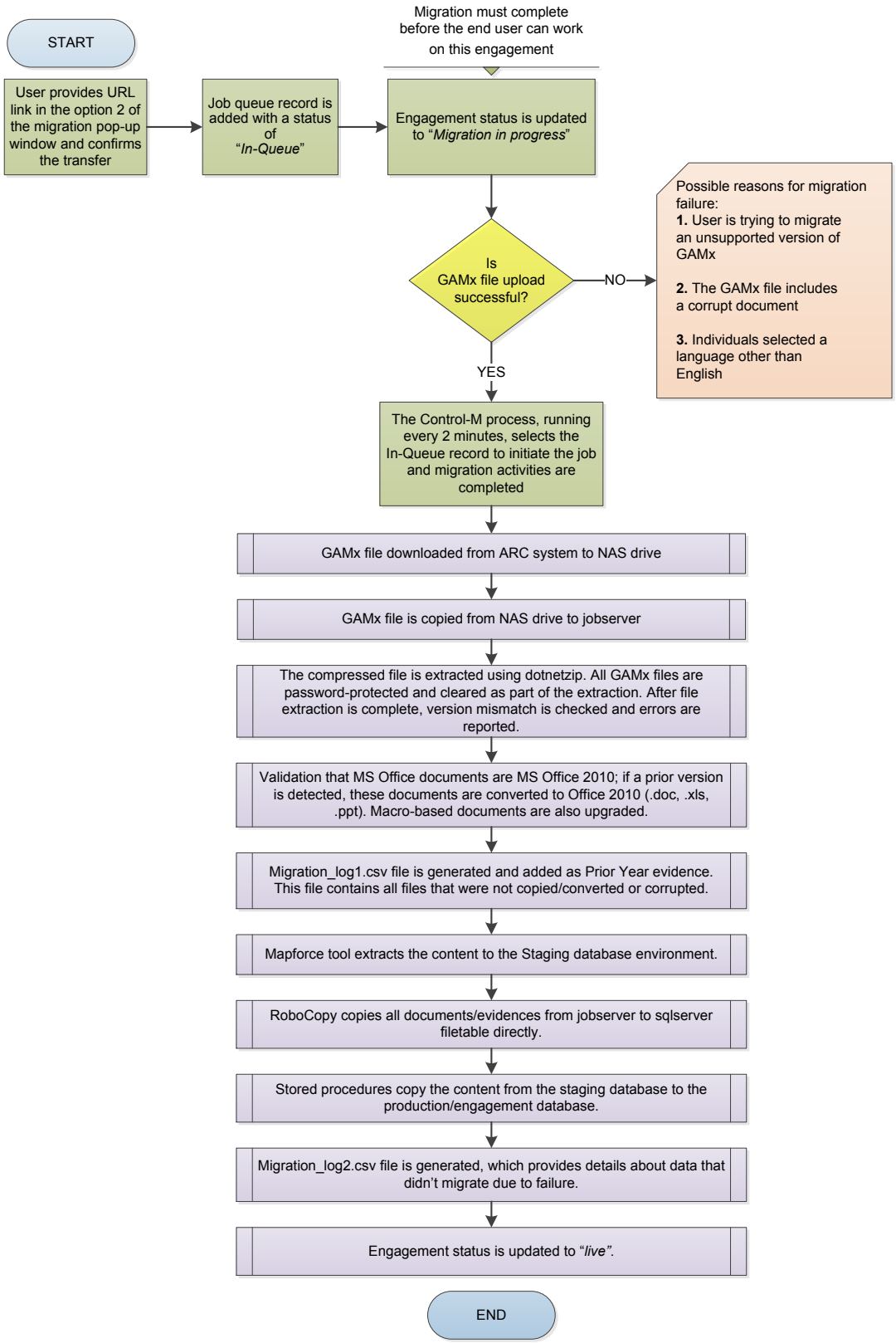
2 Uploading GAMx Files from a Local Disk Process Flow

1. DocHelper uploads the GAMx file to the NAS drive.
2. The Jobqueue record is added with a status of "*in-Queue*".
3. The Engagement status updates to "*Migration in progress* and the document API starts the process of uploading.
4. If GAMx file upload fails to upload in NAS drive, a daily job modifies the "*Migration in progress*" to "*GAMx Migration Error*".
5. The Control-M process, which runs every 2 minutes, selects the *in-Queue* record to initiate the job and completes the following migration activities:
    a. Copies the GAMx file from NAS drive to Jobserver.
    b. Extracts the compressed file use dotnetzip. All GAMx files are password protected and are cleared as part of the extraction. After file extraction is complete, it will check for version mismatch and report any errors.
    c. Validates the MS Office documents are MS Office 2010 and if a prior version converts these documents to Office 2010 (.doc, .xls, .ppt). Macro-based documents are also upgraded.
    d. Generates Migration_log1.csv file, which will get added as prior year evidence, that contains all files that were not copied/converted or corrupted.
    e. Mapforce tool extracts the content to Staging database environment.
    f. RoboCopy copies all documents/evidences from Jobserver to sqlserver filetable directly.
    g. Stored procedures copy the content from the Staging database to the Production/engagement database.
    h. Generates the Migration_log2.csv file, which provides details about data that didn't migrate due to failure.
    i. Updates the engagement status to "live".

3 Transferring GAMx Files from the ARC Database Process Flow

1. The user provides the URL link, copied from ARC website, in Option 2 of the migration pop-up window and confirms the transfer.
2. The Jobqueue record gets added with a status of "*in-Queue*".
3. The Engagement status updates to "*Migration in progress*".
4. The Control-M process, which runs every 2 minutes, selects the *in-Queue* record to initiate the job and completes the following migration activities:
    a. Downloads the GAMx file from ARC system to NAS drive.
    b. Copies the GAMx file from NAS drive to Jobserver.
    c. Extracts the compressed file use dotnetzip. All GAMx files are password protected and are cleared as part of the extraction. After file extraction is complete, it will check for version mismatch and report any errors.
    d. Validates the MS Office documents are MS Office 2010 and if a prior version converts these documents to Office 2010 (.doc, .xls, .ppt). Macro-based documents are also upgraded.
    e. Generates Migration_log1.csv file, which will get added as prior year evidence, that contains all files that were not copied/converted or corrupted.
    f. Mapforce tool extracts the content to Staging database environment.
    g. RoboCopy copies all documents/evidences from Jobserver to sqlserver filetable directly.
    h. Stored procedures copy the content from the Staging database to the Production/engagement database.
    i. Generates the Migration_log2.csv file, which provides details about data that didn't migrate due to failure.
    j. Updates the engagement status to "live".

4 Uploading GAMx Files from Disk Process Map



5 Transferring from ARC Database Process Map