# **QIB UAT Deployment of Auto Finance OCR**

**Step 1: Backup Existing Deployment Components**

Before proceeding with the new deployment, take a full backup of the existing **FC Helper Service** related to the **Corporate Onboarding Project**.

* Rename the current **FC Services** folder to: 20250706\_FCServices for version tracking.
* On the desktop, locate the **Deployment Backup** folder and ensure the following components are backed up:
  + **Corporate Onboarding FC Project**
  + **FC Services folder**
  + **Flexi to JSON DLL project**

**Step 2: Deployment to QIB UAT Environment**

Today, we will proceed with deploying the following components to the **QIB UAT environment**:

* **FC Projects**:
  + OCR Auto Finance Project
* **Wrapper Service Project**
* **FlexiToJsonPackage Project**

**Step 3: FC Project Setup – AUTO\_FINANCE Deployment**

As part of the deployment, The AUTO\_FINANCE FlexiCapture project will be deployed alongside the Corporate Onboarding project in the C:\ drive directory.

**Project Deployment Location**

* The **AUTO\_FINANCE** FlexiCapture project will be deployed to the same location as the **Corporate Onboarding** project on the C:\ drive.
* Ensure the project is imported and published successfully in **Project Setup Station**.

**Configuration Validation**

Perform a thorough validation of the following project components:

1. **Batch Types & Document Definitions**
   * Confirm that all batch types are correctly configured and associated with the appropriate document definitions for the AUTO\_FINANCE use case.
2. **Workflow Configuration**
   * Ensure the correct .dll file (FlexiToJson) is added to the batch type workflow.
   * Verify the presence and correctness of the following scripts under the **Workflow** tab of the batch type:

### **Workflow Stages to Verify**

**Stage Name: Script Before Recognition**

using System;

FCTools.ShowMessage("Time before document recognition: " + Document.Batch.Name + " - " + System.DateTime.Now.ToString("hh:mm:sss"));

**Stage Name: Script After Recognition**

using System;

FCTools.ShowMessage("Time after document recognition: " + Document.Batch.Name + " - " + System.DateTime.Now.ToString("hh:mm:sss"));

**Stage Name: Create Json Format From DLL**

using FLEXI\_TO\_JSON;

using System;

try{

Program MyProgram = new Program();

string JsonCreation = MyProgram.json\_creation\_from\_batch(Batch);

}

catch (Exception ex)

{

//Console.WriteLine($"Error loading config: {ex.Message} ");

FCTools.ShowMessage("Error loading config:ex.StackTrace" +ex.StackTrace);

FCTools.ShowMessage("Error loading config:ex.Message" +ex.Message);

FCTools.ShowMessage("Error loading config:ex.Source" +ex.Source);

//FCTools.ShowMessage(ex.ExceptionMessage);

if (ex.InnerException != null)

{

FCTools.ShowMessage("Error loading config:ex.InnerException.Message" +ex.InnerException.Message);

}

throw ex;

}

**Stage Name: Script After JSON Creation**

using System;

FCTools.ShowMessage("Time after JSON creation: " + Document.Batch.Name + " - " + System.DateTime.Now.ToString("hh:mm:sss"));

**Step 4: Wrapper Service Configuration**

The following endpoints are used to interact with the ABBYY FlexiCapture Wrapper Services:

* **Corporate Onboarding Wrapper Service**  
  http://192.168.204.150:8090/FCServices/api/flexicapture/processOCR
* **Auto Finance OCR Wrapper Service**  
  http://<VmIPAddress>:<PortNumber>/FCServices/api/flexicapture/processOCRAutoFin

These endpoints are exposed via the **FCServices** project deployed in IIS. Deployment and configuration details are as follows:

**Wrapper Service Project Deployment**

* The **FCServices** (Wrapper Service) project have to deploy under IIS at:  
  C:\inetpub\wwwroot\FCHelperService
* A configuration file named OCRProcessConfig.xml is created to dynamically retrieve the **ProjectID** and **BatchTypeID** based on the **Channel ID** provided in the request payload.
* The routing controllers within the service are defined as:
  + processOCR – for **Corporate Onboarding**
  + processOCRAutoFin – for **Auto Finance OCR**

**Step 5: In the FlexiToJsonPackage Project:**

In the **QIB UAT environment**, the **Flexi to JSON Package** located under the **C:\ drive** needs to be deleted. This is because the actual and correct location for the package is on the **D:\ drive**. Ensuring that the package resides in the correct location avoids confusion and potential configuration issues.

**Steps to address the issue:**

1. **Delete** the Flexi to JSON Package from the **C:\ drive**.
2. The latest version of FlexiToJson Project package deploy under **D:\ drive**
3. Verify the package is correctly placed under the **D:\ drive**.

**Encryption of Sensitive Data**

**In the Wrapper Service Project:**

* **Connection String**
* **Username and Password**  
  These sensitive data items should be encrypted in the web.config file of the Wrapper Service project and
* Please refer existing app.config file (FCHelperService) for encrypted connection string, username and password.
* **In the FlexiToJsonPackage Project:**
* **Connection String**  
  The connection string in the app.config file should also be encrypted.
* Please refer existing app.config file (FCHelperService) for encrypted connection string

**Wrapper Service Authentication (**As per your request we removed the Basic Authentication and enable the anonymous authentication for no Authentication of wrapper service**)**

* **Enable Anonymous Authentication** in the Wrapper Service.
* **Test the Anonymous Authentication** to ensure proper functionality.

**Testing Scenarios**

1. **Test the following document types** with sample documents:
   * AlAttiya
   * AlFardan
   * Tesla
2. **Test the following document types** with sample documents:
   * CCARD
   * CR
   * TLICEN
   * PASSPORT
   * QID
3. **Test for Unknown Document Scenarios:**
   * Test how the system handles documents that are not recognized or categorized.
4. **Test for Incorrect Document Scenarios:**
   * Test how the system handles documents that do not match the expected format or contain errors.