

OCS – MEL Data Integration (Partner) Codeless Method

OCS REST API – Microsoft Power Automate (a.k.a. Microsoft Flow) – MEL REST API



Process Flow – Partner Creation

OCS: New donor / partner created

OCS: Generate notification to a dedicated mailbox to trigger the process

Microsoft Flow: **GET** donor / partner info via OCS REST API

Microsoft Flow: Map and validate data to fulfill MEL's requirement

Microsoft Flow: **POST** donor / partner info via MEL REST API

Pre-requisite

- a) OCS user account with menu access and appropriate data control on Public Web API / Object
 - To harvest data from OCS REST API
 - Get it from center OCS team
- b) Center owned Office365 account with license on OneDrive, Outlook and Microsoft Flow – Premium (Connector to call HTTP request only available for Premium account, P1 for charity cost approximately USD29 per year, WorldFish is using Microsoft E2 account)
 - To setup Microsoft Flow
 - Get it from center ICT team
- c) Master spreadsheet hosted on OneDrive with Table / master sharepoint list to define linkage of OCS Partner Type to MEL Partner Type
 - For data cleansing of OCS data
 - Create it with the same Office365 account
- d) MEL REST API authorization token

Microsoft Flow – GET from OCS REST API

- Partner dataset in MEL consist of both Donor and Partner dataset in OCS.
- For WorldFish, Donor dataset is hosted in Customer Master File while Partner dataset is hosted in Supplier Master File.
- Call both Supplier and Customer REST API using OCS account.

HTTP get from OCS RESTful API for Partner

* Method: GET

* URI: https:// /Agresso-web-api/v1/suppliers/ (OCS Data ID x ?companyId=F1)

Headers: Accept: application/json

Queries: Enter key, Enter value

Body: Enter request content

Cookie: Enter HTTP cookie

* Authentication: Basic

* Username: []

* Password: []

Hide advanced options

HTTP get from OCS RESTful API for Donor

* Method: GET

* URI: https:// Agresso-web-api/v1/customers/ (OCS Data ID x ?companyId=F1)

Headers: Accept: application/json

Queries: Enter key, Enter value

Body: Enter request content

Cookie: Enter HTTP cookie

* Authentication: Basic

* Username: []

* Password: []

Hide advanced options

Parse JSON for Partner

* Content: Body x

* Schema: { "type": "object", "properties": { "bankAccount": { "type": "string" }, }, "companyId": { "type": "string" }, }, "companyRegistrationNumber": {

Generate from sample

Parse JSON for Donor

* Content: Body x

* Schema: { "type": "object", "properties": { "aliasName": { "type": "string" }, }, "companyId": { "type": "string" }, }, "companyRegistrationNumber": {

Generate from sample

Microsoft Flow – Data Cleansing / Mapping

- Compare and correct partner type of OCS into MEL structure.
- If center decided to store MEL structure into OCS master file, this step can be skipped.

OCS	Title	MEL
AI	Academic Institution	1
ARI	Advanced Research Institutes	8
CG	CGIAR Center	7
CGCP	CGIAR Challenge Program	7
DO	Development Organisation	12
FI	Financial Institutions	11
FO	Foundations	11
GO	Government	5
IO	International Organisations	12
NARS	National Agricultural Research System	2
NGO	Non-Governmental Organisations	3
PRI	Private companies	10
PRO	Programs or Projects	14
RO	Regional Organisations	13
SRO	Subregional Organisations	13
UNKNOWN	Unknown	14
ZTH	Others	14

Get a row from MEL Partner Type Master List for Partner

- * Location: OneDrive for Business
- * Document Library: OneDrive
- * File: /MEL/Master List.xlsx
- * Table: PartnerType
- * Key Column: OCS
- * Key Value: type_of_partner x

Condition check if MEL Partner Type empty for Partner

empty(...) is equal to true

+ Add

If yes

Add an action

If no

Set variable for MEL Partner Type for Partner

- * Name: MEL Partner Type
- * Value: MEL x

Add an action

Microsoft Flow – POST into MEL

- POST the dataset via MEL REST API using the Authorization Token.
- Data posted will be review by an authorized MEL user before publish as Partner in MEL

The screenshot shows the configuration for an HTTP post action in Microsoft Flow. The title is "HTTP post to MEL REST API for Partner".

*Method	POST
*URI	http:// /v1.5/partners/registerpartner
Headers	Accept: application/json
	Content-Type: multipart/form-data
	Authorization: [REDACTED]
	Enter key: Enter value
Queries	partner_type_id: [x] MEL Partner Ty... x
	name: [x] supplierName x
	other_name: Enter value
	email: Enter value
	website: [x] MEL Partner W... x
	description: Enter value
	abbreviation: [x] aliasName x
	country_id: [x] countryCode x
	city: [x] MEL Partner City x
	notes: WorldFish - OCS - MEL Integrati on Flow
	Enter key: Enter value
	Body
Cookie	Enter HTTP cookie
*Authentication	None

Hide advanced options ^

Known Issue (for WorldFish)

- Donor and Partner dataset did not indicate clearly which master profile is Headquarters or non-headquarters – Required only Headquarters data by MEL
- City is a mandated field in MEL, not OCS. OCS master file address section do have this info, but consists of many addresses, this may caused some issue for the reviewer.

Thank You

