**Scope of Work Document**

**203\_ORNG\_CF\_HTTP\_REST\_INT\_2205**

**Orange Egypt**

**Prepared By: Mahmoud Shehab**

ASSET Technology Group

Version 1.1

October 30, 2022

Copyright© 2022 Asset Technology Group, All rights reserved.

This document contains information proprietary to Asset Technology Group services, methodologies, programs and products is to be treated as confidential and a trade secret of Asset Technology Group and is not to be used or disclosed except to recipient’s employees, officers, agents or contractors engaged in evaluating this document, and who are subject to appropriate written undertakings consistent with these confidentially and use restrictions. Asset Technology Group retains the intellectual property rights to these trade secrets. This document is protected under copyright laws as unpublished work of Asset Technology Group.

**Table of Contents**

[1 Scope of Work & Solution Description 3](#_Toc118029085)

[1. Introduction 3](#_Toc118029086)

[2. In Scope 3](#_Toc118029087)

[3. Out of Scope 3](#_Toc118029088)

[4. Assumptions 3](#_Toc118029089)

[5. Deliverables 3](#_Toc118029090)

[6. Prerequisites 3](#_Toc118029091)

[2 Detailed Solution Description 4](#_Toc118029092)

[1. Database changes: 4](#_Toc118029093)

[2. CF web service changes: 4](#_Toc118029094)

[3 Reference 5](#_Toc118029095)

# Scope of Work & Solution Description

## Introduction

* New feature will be added for allowing CF to integrate with any external system with HTTP REST protocol.

## In Scope

The following activities are considered:

* + Perform a session to explain the deployment process on testing and production environments.
  + Perform a session to explain the previous CRs (Update community- elastic search – parent product)
  + Implementing the required workflow using the new HTTP REST component.
  + Analysis, design & development of the software components mentioned in the solution description.
  + Implementing features mentioned below in the detailed solution description.

## Out of Scope

* + Any data migration is considered out of scope.

## Assumptions

* + ASSET will deliver the proposed solution’s war file on testing storages at Orange.
  + The development (coding) of CR will take place at ASSET premises.

## Deliverables

* + War file containing proposed solution.

## Prerequisites

* + Access between CF nodes and new services.

# Detailed Solution Description

The new feature will be added in CF for allowing it to integrate with any external system with HTTP REST protocol.

## Database changes:

A new component called HTTP\_REST will be added in the database for allowing the workflows creator to create an activity to send a JSON request and parse JSON response.

We will use the same table for the regular HTTP component (ADM\_COMPONENTS\_HTTP) by adding a new request type (POST\_JSON) and response type (JSON).

We will use the same tables for configuring the component parameters.

## CF web service changes:

We will add a new feature for allowing the OptIn interface to receive a request body with (List parameters)

With this feature, we will be able to handle the below special case (add multiple OCC) interface, and make any channel to send to CF a list of parameters using OptIn interface.

The below is a sample request that should be received from any channel through OptIn interface to handle List of parameters.



Below are a test cases that will be used while developing the new features:



Also, CF can handle the above integration by configuring a new lookup table and receiving from the OptIn interface OCC ids to be sent to the Billing system.

# Reference

