**Scope of Work Document**

**203\_Orange\_CF\_HTTP\_REST\_INTEGRATION**

**Orange Egypt**

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# 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.



The 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

