**Scope of Work Document**

**203\_Orange\_CF\_ParentProduct**

**Orange Egypt**

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# Scope of Work & Solution Description

## Introduction

* New features will be added to allow the CF to accumulate the quotas values of many products and combine them into one product as an output.
* New CF formulas to be added to handle the float values and to be used in any workflow.

## In Scope

The following activities are considered:

* + 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.
  + Remote connection.

## Assumptions

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

## Deliverables

* + War file containing proposed solution.

## Prerequisites

* + N/A

# Detailed Solution Description

## Add Parent product:

* + New feature will be added to combine some of the products that exist in LK\_PRODUCTS and return them as one parent product.
  + We will separate this logic from the current Get prepaid profile component to not impact the current interfaces and workflows, therefore we will create a new table called “LK\_PARENT\_PRODUCTS” which contains all the parent products configurations.
  + Each parent product has a list of child products from the “LK\_PRODUCTS” table,
  + The new table will be as a below:

|  |  |  |
| --- | --- | --- |
| Column name | Column type | Description |
| ID | NUMBER(30,0) | PK |
| PRODUCT\_NAME | VARCHAR2(400 BYTE) | Parent product name |
| PRODUCT\_TYPE | NUMBER | Parent product type |
| PRODUCT\_RECURRENCE | VARCHAR2(400 BYTE) | Parent product recurrence |
| CONDITION | VARCHAR2(400 BYTE) | Parent product condition |
| MAIN\_QUOTA\_NAMES | VARCHAR2(2000 BYTE) | Combined Quota name |
| MAIN\_QUOTA\_TYPE | VARCHAR2(400 BYTE) | Combined Quota type |
| MAIN\_ROUNDING\_FACTOR | VARCHAR2(400 BYTE) | Combined rounding factor |
| MAIN\_QUOTA\_LOCATION | VARCHAR2(400 BYTE) | Combined Quota location |
| MAIN\_QUOTA\_UNIT | VARCHAR2(2000 BYTE) | Combined Quota unit |
| PRODUCT\_STATUS | VARCHAR2(2000 BYTE) | Parent product status |
| PRODUCT\_STATUS\_COND | VARCHAR2(400 BYTE) | Parent product status cond |
| START\_DATE\_FLAG | NUMBER | Start flag |
| START\_DATE\_SOURCE\_ID | VARCHAR2(400 BYTE) | Source Id of the start date |
| RENEWAL\_DATE\_FLAG | NUMBER | Renewal flag |
| RENEWAL\_DATE\_SOURCE\_ID | VARCHAR2(400 BYTE) | Source Id of renewal date |
| EXPIRY\_DATE\_FLAG | NUMBER | expiry flag |
| EXPIRY\_DATE\_SOURCE\_ID | VARCHAR2(400 BYTE) | Source Id of the expiry date |
| CHILD\_PRODUCTS\_IDS | VARCHAR2(400 BYTE) | CSV of the child products IDs |

* + The combination process will be executed after generating the Get prepaid profile response.
  + If one of the child products does not exist, it will be skipped and the combined quotas will be only for the existed products in the returned Get prepaid profile response.
  + The Parent product will be returned besides the child products to not impact any existed workflow.
    - For example, if we have products with IDs 1,2,3 and there is a parent product for them with ID 4, the response of the GPP interface will contain the list of products 1,2,3,4

## Float parameter operation:

* New operations will be added to handle any float value in any workflow.
* The new operation will be (Division – Multiply – Subtract – Summation)
* These new operations will be added into the table “LK\_PARAMETERS\_OPERATIONS”

# Reference

