Web Service D&T Service

Untuk Build 1.0.202006291

I. WEB SERVICE

Web Service Aplikasi D&T Service Online ini dapat diakses pada endpoint:

http://192.168.1.194:3310/api

Untuk keperluan pengembangan integrasi, endpoint tersebut ditambahkan parameter sesuai dengan method yang disediakan yaitu sebagai berikut :

#1 /odoo *Request to SAP
#2 /odoo/transaction *Request to DTS APPS

II. TOKEN

untuk setiap request yang dikirimkan memerlukan token sebagai authorization request API.

Berikut ini contoh source code untuk melakukan pengambilan token.

contoh pemanggilan web service dengan php curl:

```
$json_request = {
"username": "hilmanaachmad",
"password": "Password1!"
}
```

// membuat json juga dapat menggunakan json_encode:

```
$request["username"]= "hilmanaachmad";
$request["password"]= "Password1!";
$json_request = json_encode($request);
```

// tentukan Content-Type pada http header

```
$header = array(
    "Content-Type" => "application/x-www-form-
urlencoded",
);
```

// url service get token D&T Service Online,
"http://192.168.1.194:3310/api/odoo/generate-token";

// setup curl$ch = curl_init();

```
curl_setopt($ch, CURLOPT_URL, $url);
curl_setopt($ch, CURLOPT_HEADER, 0);
curl_setopt($ch, CURLOPT_RETURNTRANSFER, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER,$header);
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS, $json_request);
```

```
// request dengan curl
$response = curl_exec($ch);
```

contoh pemanggilan web service dengan axios javascript:

```
axios.post('http://192.168.1.194:3310/api/odoo/generate-token', { 'username':
    'hilmanaachmad',
    'lastName': 'Password1!'
 })
.then(function (response) {
    console.log(response);
})
.catch(function (error) {
    console.log(error);
});
```

IV.KATALOG METHOD WEB SERVICE KE SAP
Khusus untuk semua field dalam metadata adalah mandatory.
menggunakan method POST dan header authorization dengan isian
value berdasarkan token

1. INTERFACE SO

```
  {
    "order_header_in" : [{
          "ohi_doc_type"            : "YC16",
          "ohi_sales_org"           : "2000",
          "ohi_distr_chan"          : "10",
          "ohi_division"            : "10",
          "ohi_sales_off"           : "DA01",
          "ohi_purch_no_c"          : "#po no",
          "ohi_purch_date"          : "#po date",
          "ohi_req_date_h"          : "#po expired date",
          "ohi_req_date_s"          : "#po expired date"
    }],
    "order_partners" : [{
          "op_partn_role"           : "AG",
          "op_partn_numb"           : "#sesuai master"
    }],
    "order_items_in" : [{
          "oii_po_itm_no"           : "#10, 20, 30, dst",
          "oii_store_loc"           : "#sesuai master ",
          "oii_plant"               : "2501",
          "oii_material"            : "#sesuai master"
    }],
     "order_schedules_in" : [{
       "osi_itm_number"             : "#10, 20, 30, dst",
       "osi_req_qty"                : "#qty per line item"
    }],
     "order_condition_in"  : [{
       "oci_itm_number"             : "#10, 20, 30, dst",
       "oci_cond_type"              : "ZF02",
       "oci_cond_value"             : "#sesuai master"
    }]
 }
```

Key	Type	Length
ohi_doc_type	STRING	4
ohi_sales_org	STRING	4
ohi_distr_chan	STRING	2
ohi_division	STRING	2
ohi_sales_off	STRING	4
ohi_purch_no_c	STRING	35
ohi_purch_date	DATE	8 #YYYMMDD
ohi_req_date_h	DATE	8 #YYYMMDD
ohi_req_date_s	DATE	8 #YYYMMDD
op_partn_role	STRING	2
op_partn_numb	STRING	10
oii_po_itm_no	INTEGER	6
oii_store_loc	STRING	4
oii_plant	STRING	4
oii_material	STRING	18
osi_itm_number	INTEGER	6
osi_req_qty	STRING	13
oci_itm_number	INTEGER	6
oci_cond_type	STRING	4
oci_cond_value	INTEGER	28

Api Endpoint	http://192.168.1.194:3310/api/odoo/so/create
Method	POST

2. DELETE SO

```
{
    "sales_document"      : "#so number",
    "order_header" : [{
        "oh_flag" : "U"
    }],
    "order_item_in" : [{
        "oii_item_number" : "#sesuai dengan item SO",
        "oii_reason" : "#sesuai dengan master rejection"
    }],
    "order_item_inx" : [{
        "oinx_item_number" : "#sesuai dengan item SO",
        "oinx_reason" : "X"
    }]
}
```

Key	Type	Length
sales_document	STRING	10
oh_flag	STRING	1
oii_item_number	INTEGER	6
oii_reason	STRING	2
oinx_item_number	INTEGER	6
oinx_reason	STRING	1

Api Endpoint	http://192.168.1.194:3310/api/odoo/so/delete
Method	DELETE

3. DELETE DO

```
{
    "header_data" : [{
        "hd_deliv_numb"    : "#delivery number"
    }],
    "header_control" : [{
        "hc_deliv_numb"    : "#delivery number",
        "hc_dlv_del"       : "X"
    }]
}
]
```

Key	Type	Length
hd_deliv_numb	STRING	10
hc_deliv_numb	STRING	10
hc_dlv_del	STRING	1

Api Endpoint	http://192.168.1.194:3310/api/odoo/do/delete
Method	DELETE

4. GR DC

```
{
    "batch"              : "#Sesuai DO batch",
    "move_type"          : 101,
    "move_type_ind"      : "B",
    "delivery_number"    : "#Do Number",
    "delivery_item"      : "#10, 20, 30 sesuai dengan DO item",
    "material"           : "# Sesuai dengan DO material",
    "entry_quantity"     : "# Sesuai dengan DO qty",
    "entry_uom"          : "# sesuai dengan DO uom",
    "po_number"          : "# PO STO Number",
    "po_item"            : "#10,20, 30 sesuai dengan PO item",
    "plant"              : "# sesuai PO plant",
    "storage_loc"        : "# sesuai PO storage"
}
```

Key	Type	Length
batch	STRING	10
move_type	STRING	3
move_type_ind	STRING	1
delivery_number	STRING	10
delivery_item	INTEGER	6
material	STRING	6
entry_quantity	STRING	18
entry_uom	STRING	3
po_number	STRING	10
po_item	INTEGER	5
plant	STRING	4
storage_loc	STRING	4

Api Endpoint	http://192.168.1.194:3310/api/odoo/gr/create
Method	POST

5. CANCEL PGI

```
{
  "delivery_number" : "#delivery_number",
  "posting_date"    : "#posting date",
  "commit"          : "X"
}
```

Key	Type	Length
delivery_number	CHAR	10
Posting_date	DATE	8 #YYYYMMDD

Api Endpoint	http://192.168.1.194:3310/api/odoo/pgi/cancel
Method	POST

6. CHANGE STOCK PRODUCT

```
{
  "goodsmvt_header" :[{
     "posting_date"  : "dd.mm.yyyy",
     "doc_date"      : "dd.mm.yyyy",
     "header_text"   : "#sloc code reason (1010 change product)"
  }],
  "goodsmvt_code" : [{
    "gm" : "04"
  }],
  "goodsmvt_item" : [{
    "material" : "#(from) material number",
    "plant" : "#(fix)2501",
    "stge_loc" : "#dc code",
    "batch" : "#(from) batch",
    "move_type" : "309",
    "entry_qnt" : "#qt adjust",
    "move_mat": "#(to) material number",
    "move_plant" : "2501",
    "move_stloc" : "#harus sama dengan stge_loc",
    "move_batch" : "#(to) batch"
  }]
}
```

Key	Type	Length
posting_date	DATE	#dd.mm.yyyy
doc_date	DATE	#YYYYMMDD
header_text	STRING	50
gm	STRING	2
material	STRING	20
plant	STRING	6
stge_loc	STRING	20
batch	STRING	10
move_type	STRING	6
entry_qnt	STRING	20
move_mat	STRING	20
move_plant	STRING	6
move_stloc	STRING	20
move_batch	STRING	10

Api Endpoint	http://192.168.1.194:3310/api/odoo/product/change
Method	POST

V. KATALOG METHOD WEB SERVICE KE DTS APPS
1. CREATE PO

```json
{
    "address": "Jl. KH.Abdullah Bin Nuh No.64",
    "address_bongkar": "Jl. KH.Abdullah Bin Nuh No.64",
    "ship_to_party": "2000000108",
    "customer_name": "TULUS MAJU CIANJUR",
    "delivery_date": "2020-07-06T06:56:51.819Z",
    "note": "",
    "po_date": "2020-07-01T06:56:51.819Z",
    "regional": "JAWA BARAT",
    "requestor": "643",
    "sold_to_party": "2000000063",
    "user_created": "643",
    "product": [
        {
            "carton": "2250.00",
            "code_product": 2,
            "pallet": "32.14",
            "quantity": "54000",
            "total_kubikasi": "40.60",
            "total_price": 258750000,
            "total_tonase": "21.17"
        }
    ]
}
```

Key	Type	Length
address	STRING	256
address_bongkar	STRING	256
ship_to_party	STRING	20
customer_name	STRING	50
delivery_date	DATE TIME	#YYYY-MM-DD HH:mm:ss
note	STRING	256
po_date	DATE TIME	#YYYY-MM-DD HH:mm:ss
regional	STRING	20
requestor	STRING	20
sold_to_party	STRING	20
user_created	STRING	20
carton	FLOAT #DECIMAL = 2	12
code_product	INTEGER	12
pallet	FLOAT #DECIMAL = 2	12
quantity	INTEGER	12
total_kubikasi	FLOAT #DECIMAL = 2	12
total_price	INTEGER	20
total_tonase	FLOAT #DECIMAL = 2	12

Api Endpoint	http://192.168.1.194:3310/api/odoo/transaction/po
Method	POST

2. UPDATE PO

```json
{
    "address": "Jl. KH.Abdullah Bin Nuh No.64",
    "address_bongkar": "Jl. KH.Abdullah Bin Nuh No.64",
    "ship_to_party": "2000000108",
    "customer_name": "TULUS MAJU CIANJUR",
    "delivery_date": "2020-07-06T06:56:51.819Z",
    "note": "",
    "po_date": "2020-07-01T06:56:51.819Z",
    "regional": "JAWA BARAT",
    "requestor": "643",
    "sold_to_party": "2000000063",
    "user_created": "643",
    "product": [
        {
            "carton": "2250.00",
            "code_product": 2,
            "pallet": "32.167",
            "quantity": "54000",
            "total_kubikasi": "40.60",
            "total_price": 258750000,
            "total_tonase": "21.17",
            "status_array": "Exist"
        }
    ]
}
```

Key	Type	Length
address	STRING	256
address_bongkar	STRING	256
ship_to_party	STRING	20
customer_name	STRING	50
delivery_date	DATE TIME	#YYYY-MM-DD HH:mm:ss
note	STRING	256
po_date	DATE TIME	#YYYY-MM-DD HH:mm:ss
regional	STRING	20
requestor	STRING	20
sold_to_party	STRING	20
user_created	STRING	20
carton	FLOAT	12 #DECIMAL = 2
code_product	INTEGER	12
pallet	FLOAT	12 #DECIMAL = 2
quantity	INTEGER	12
total_kubikasi	FLOAT	12 #DECIMAL = 2
total_price	INTEGER	20
total_tonase	FLOAT #DECIMAL = 2	12
status_array	STRING	10 #New, Deleted, Exist

Api Endpoint	http://192.168.1.194:3310/api/odoo/transaction/po
Method	PUT

3. DELETE PO

Api Endpoint	http://192.168.1.194:3310/api/odoo/transaction/po/:order_header
Method	DELETE

4. GET PO BY CUSTOMER

Api Endpoint	http://192.168.1.194:3310/api/odoo/transaction/po/customer/customer_id
Method	GET