

# ERP Sap REST

Documenti Condivisi:

api\_s4\_production\_order.pdf

Tabella di conversione campi SAP (java) con il modello REST :

oeo\_s4\_integration\_mapping.xlsx

il protocollo Rest utilizza OAuth2 quindi le trasmissioni sono attraverso un token, in questo caso va mandato nella header; è di tipo Bearer quindi prevede una chiave fissa "Bearer" prima del Token

il Token ha una validità descritta nel campo expire\_in al momento dell'arrivo del token:

la curl per richiedere il token ha questa forma:

*#token*

```
curl -X POST -H "Content-Type: application/x-www-form-urlencoded" -d  
"grant_type=client_credentials&client_id=API&client_secret=SECRET"  
https://franke.prod.apimanagement.eu10.hana.ondemand.com/OAuthService/GenerateToken
```

*#rueck*

```
curl --request GET  
'https://franke.prod.apimanagement.eu10.hana.ondemand.com/a88a/NEXT0EE/API_PROD_ORD  
ER/ProductionOrder/1000001' --header 'APIKey: API' --header 'Authorization: Bearer  
TOKEN'
```

*#flashback*

```
curl --request POST  
'https://franke.prod.apimanagement.eu10.hana.ondemand.com:443/a88a/NEXT0EE/API_PROD  
_ORDER/ConfirmProductionOrder/1000007' --header 'APIKey: API' --header  
'Authorization: Bearer TOKEN' --header 'Content-Type: application/json' --data-raw  
'{ "ConfirmationDate": "2022-01-24T00:00:00", "ManufacturingOrder": "1000007",  
"YieldQuantity": "0", "ProductionUnit": "PC", "FinalConfirmatio
```

Utilizzare Postman per il debug; e caricare prendere le curl

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<!--
```

```
Document      : etnconfig.xml  
Created on    : 2 febbraio 2005, 18.30  
Author       : BERGANTINO Nicola  
Description:
```

*Purpose of the document follows.*

```
-->
<xnetagents>
  <agents>
    <!-- ... -->
    <!--Agente gestisce l'inserimento degli ordini di produzione, degli
articoli e del tempo ciclo dei prodotti-->
    <agent lib="/usr/lib/libgtrace.so.0.0.0" create="agentInsOp" live="1"
name="insop">
      <param name="agdb" value="tpevodb" />
      <param name="agsm" value="simplmovi" />
    </agent>
    <agent lib="/usr/lib/libniserp.so.0.0.0" create="agentRestSAP" live="1"
name="sapnis">
      <param name="agdb" value="tpevodb" />
      <param name="agop" value="insop" />
      <param name="urlpref"
value="https://franke.prod.apimanagement.eu10.hana.ondemand.com" />
      <param name="urlget"
value="/a88a/NEXT0EE/API_PROD_ORDER/ProductionOrder" />
      <param name="urlpost"
value="/a88a/NEXT0EE/API_PROD_ORDER/ConfirmProductionOrder" />
      <param name="bearer" value="Bearer" />
      <param name="api" value="7SggN0ISN0xAaCCckioj03yRGRAGIrpK" />
      <param name="secret" value="hcHcczWs23n3Eku2" />
    </agent>
  </agents>
</xnetagents>
```

## gestione ConfirmationGroup

La tabella sapinfoubi prende informazioni riguardo il ruck (codop) e postazione (postazione) da inviare con il metodo POST per il Flashing Back

```
--- drop table sapinfoubi

CREATE TABLE public.sapinfoubi (
  codop CHARACTER VARYING(51) NOT NULL,
  codubi CHARACTER VARYING(51) NOT NULL,
  confgrp CHARACTER VARYING(51),
  ordope CHARACTER VARYING(51)
);

COMMENT ON TABLE public.sapinfoubi IS 'Tabella informazioni codop-codubi arrivate
da SAP';
COMMENT ON COLUMN public.sapinfoubi.codop IS 'Rueck Ricevuto da sap';
COMMENT ON COLUMN public.sapinfoubi.codubi IS 'codice postazione';
COMMENT ON COLUMN public.sapinfoubi.confgrp IS 'ConfirmationGroup da inviare con il
flashingback';
COMMENT ON COLUMN public.sapinfoubi.ordope IS 'OrderOperation da inviare con il
flashingback';

ALTER TABLE ONLY public.sapinfoubi ADD CONSTRAINT sapinfoubi_pkey PRIMARY KEY
```

```
(codop, codubi);  
ALTER TABLE ONLY public.sapinfoubi ADD CONSTRAINT ix_sapinfoubi_codop FOREIGN KEY  
(codop) REFERENCES public.ordprod(codop) ON UPDATE CASCADE ON DELETE CASCADE;  
ALTER TABLE ONLY public.sapinfoubi ADD CONSTRAINT ix_sapinfoubi_codubi FOREIGN KEY  
(codubi) REFERENCES public.ubicaz(codice) ON UPDATE CASCADE ON DELETE CASCADE;
```

## Crezione API

Generazione API, Avere Get a SAP Universal ID se manca crearlo dalla schermata di accesso

Log On

E-Mail, ID, or Login Name

Continue

SAP® ID Service

 Existing Users | One login for all accounts:  
[Get SAP Universal ID](#)

## Create your SAP Universal ID

We just need some basic personal information and a password for your SAP Universal ID.

Already have a SAP Universal ID? [Link accounts to my SAP Universal ID](#)

|                                                      |                                                   |
|------------------------------------------------------|---------------------------------------------------|
| <input type="text" value="First Name"/>              | Enter a first name                                |
| <input type="text" value="Last Name"/>               |                                                   |
| <input type="text" value="Country/Region"/>          |                                                   |
| <input type="text" value="SAP Universal ID E-mail"/> | The e-mail address will be used as your new login |
| <input type="password" value="Password"/>            |                                                   |
| <input type="password" value="Re-enter Password"/>   |                                                   |

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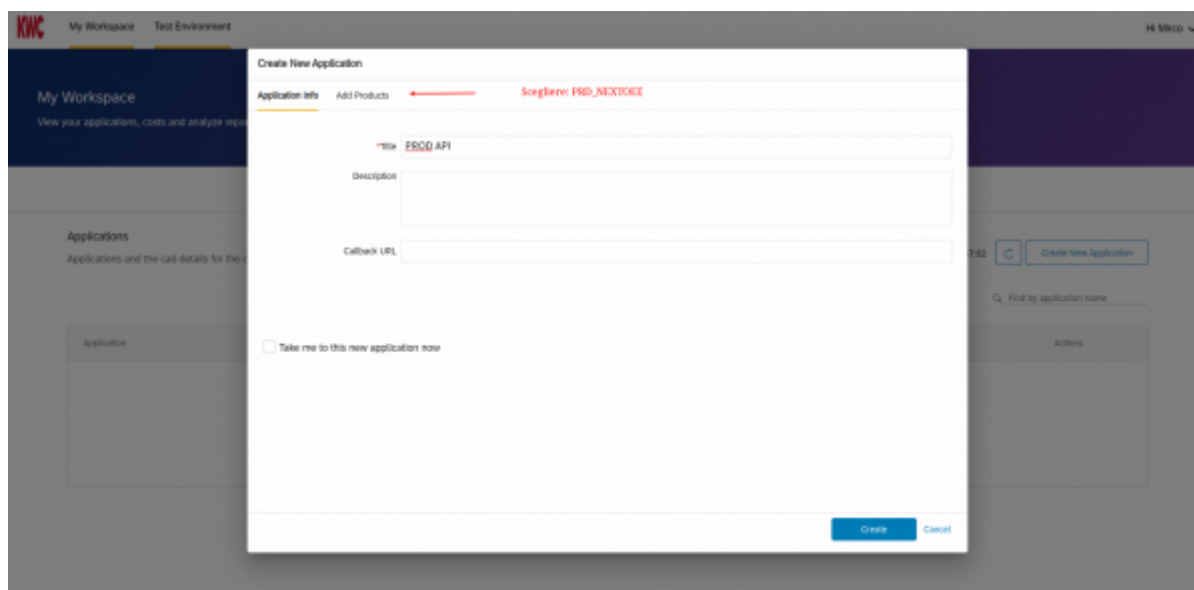
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Una volta entrato da questo link:

[https://frankeisprod.apibhubenterprise.cfapps.eu10.hana.ondemand.com/product/PRD\\_NEXT0EE](https://frankeisprod.apibhubenterprise.cfapps.eu10.hana.ondemand.com/product/PRD_NEXT0EE)

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>>> PROD API

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Callback URL:

Application Secret: [Regenerate](#)

Application Key: [otpAurVtYLnQj9kMmp2qfAgphw13](#)

Created By: mzingetti@ingent.it

Created On: 29 Mar 2023

Calls this month: 0

Last Modified By: mzingetti@ingent.it

Last Modified On: 29 Mar 2023

Usare queste nell'agente Rest (AgentRestSAP)