

ERP Sap REST

Documenti Condivisi:

api_s4_production_order.pdf

il protocollo Rest utilizza OAuth2 quindi le trasmissioni sono attraverso un token, in questo caso v'è 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/0AuthService/GenerateToken

#rueck

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

#falshback

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>
  <mtp name="nome_mtp" >
    <netmtp name="maganet" host="127.0.0.1" port="5151" />
  </mtp>
  <super_agents>
    <!--          <param name="tmmax" value="7000" /> -->
```

```

    <agent lib="/usr/lib/libiasupag.so" create="agentXNet" live="1"
name="xnet">
    <param name="ipaddr" value="ANY" />
    <param name="port" value="6161" />
    </agent>
</super_agents>
<agents>
    <!-- Agente gestore della comunicazione tra framework -->
    <agent lib="/usr/lib/libiautiag.so" create="agentNetMtp" live="1"
name="netmtp">
    <param name="class0" value="agdb" />
    <param name="askp10" value="1" />
    <param name="dirask0" value="1" />
    <param name="tello10" value="2" />
    <param name="askout0" value="2" />

    <param name="class1" value="tpevo" />
    <param name="askp11" value="2" /> <!-- 1=PKT_SEM 2=REC_SEM 0=NONE_SEM -
->

    <param name="dirask1" value="1" />
    <param name="askout1" value="2" />
    <param name="tello11" value="2" />
    <param name="dirtell1" value="0" />

    <param name="class2" value="ctrlpc" />
    <param name="askp12" value="0" /> <!-- 1=PKT_SEM 2=REC_SEM 0=NONE_SEM -
->

    <param name="dirask2" value="0" />
    <param name="askout2" value="2" />
    <param name="tello12" value="2" />
    <param name="dirtell2" value="0" />

    <param name="class3" value="tello_p1_rec" />
    <param name="tello13" value="2" />

    <param name="class4" value="tello_p1_rec_ask_p12_pkt_out_pkt" />
    <param name="tello14" value="2" />
    <param name="askp14" value="1" />
    <param name="askp24" value="1" />
    <param name="askout4" value="1" />

    <param name="class5" value="tello_p12_pkt_ask_p12_pkt_out_rec" />
    <param name="tello15" value="1" />
    <param name="tello25" value="1" />
    <param name="askp15" value="1" />
    <param name="askp25" value="1" />
    <param name="askout5" value="2" />

    <param name="class6" value="tello_p1_rec_ask_out_rec" />
    <param name="tello16" value="2" />
    <param name="askout6" value="2" />

    <param name="class7" value="ask_out_pkt" />
    <param name="askout7" value="1" />

    <param name="class8" value="tello_p1_rec_ask_p1_pkt_out_rec" />

```

```

<param name="tello18" value="2" />
<param name="askp18" value="1" />
<param name="askout8" value="2" />

<param name="class9" value="tello_p1_rec_ask_p1_rec_out_pkt" />
<param name="tello19" value="2" />
<param name="askp19" value="2" />
<param name="askout9" value="1" />

<param name="class10" value="tello_p12_rec_ask_p1_rec_out_rec" />
<param name="tello110" value="2" />
<param name="tello210" value="2" />
<param name="askp110" value="2" />
<param name="askout10" value="1" />

<param name="class11" value="tello_p12_pkt_ask_p1_rec_out_rec" />
<param name="tello111" value="1" />
<param name="tello211" value="1" />
<param name="askp111" value="2" />
<param name="askout11" value="2" />

<param name="class12" value="ask_p1_rec_out_rec" />
<param name="askp112" value="2" />
<param name="askout12" value="2" />

<param name="class13" value="tello_p1_rec_ask_p1_rec_out_rec" />
<param name="tello113" value="2" />
<param name="askp113" value="2" />
<param name="askout13" value="2" />

<param name="tmwait" value="7200000" />

<param name="ipaddr" value="ANY" />
<param name="port" value="5161" />
</agent>
<!-- Agente che gestisce i servizi legati al database -->
<agent lib="/usr/lib/libiautiag.so" create="agentDb" live="1"
name="tpevodb">
    <param name="libdb" value="/usr/lib/libpgdb.so" />
    <param name="libfunc" value="Cdb_Create" />
    <param name="serverdb" value="127.0.0.1" />
    <param name="dbname" value="andon" />
    <param name="usr" value="postgres" />
    <param name="pwd" value="HMtrs9hY" />
    <param name="ipnume" value="127.0.0.1" />
    <param name="portnume" value="5002" />
</agent>
<!-- Agente che si occupa del carico a magazzino dei lotti -->
<agent lib="/usr/lib/libgtrace.so.0.0.0" create="agentSimpMovi" live="0"
name="simpmovi">
    <param name="agdb" value="tpevodb" />
    <param name="agdepo" value="depo" />
    <param name="aglotto" value="lotto" />
    <param name="causca" value="SCAPR" />
    <param name="enabnpsub" value="0" />
    <param name="pparam" value="0" />

```

```
        <param name="tm" value="1000" />
    </agent>
    <!--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="simpmovi" />
    </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>
```