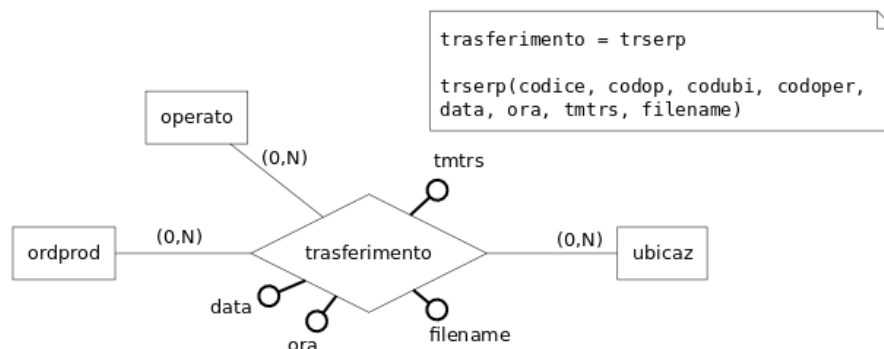
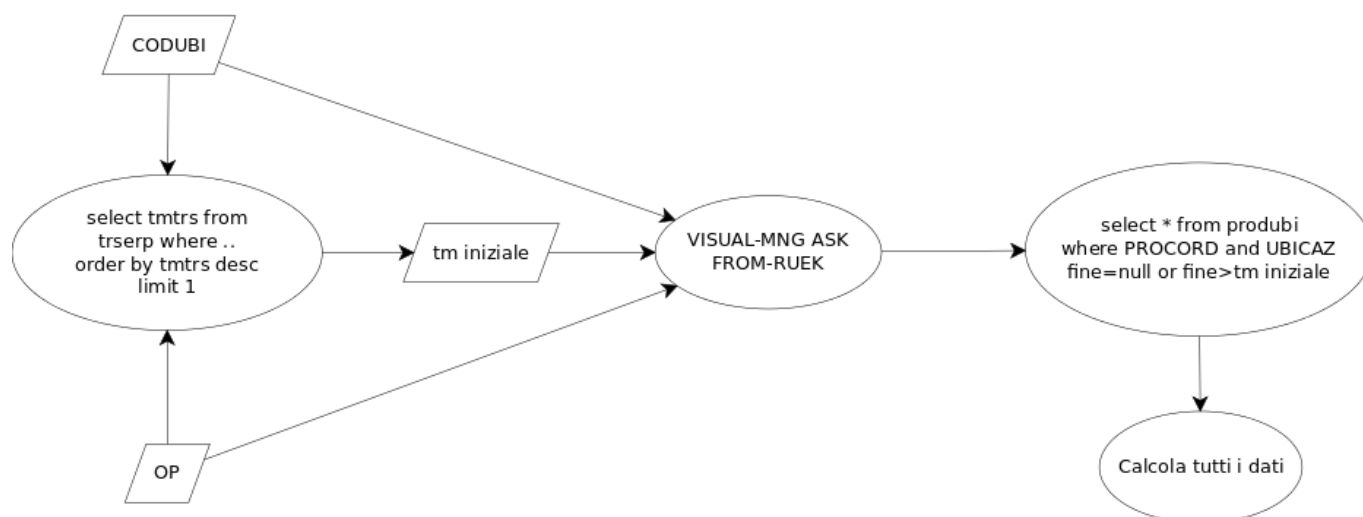


# ERP Flashing back

## TABLE TRSERP FOR STORING FLOW



## WORK-FLOW AGENT-PROALPHA -> AGENTVISMNG

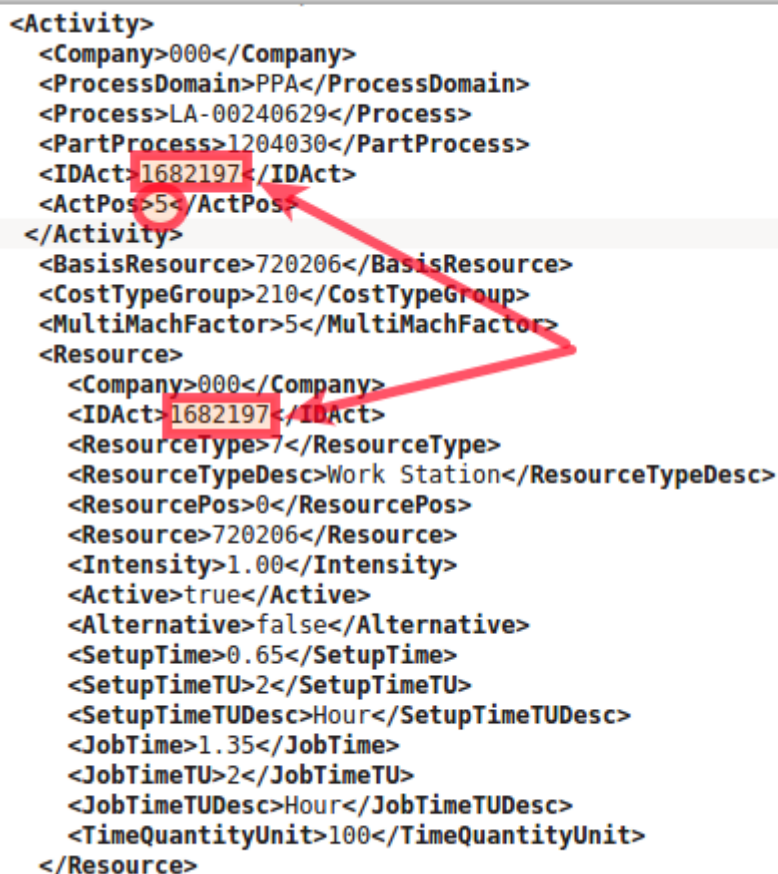


```
CREATE TABLE trserp (
  codice INTEGER NOT NULL,
  codop CHARACTER VARYING(51),
  codubi CHARACTER VARYING(51),
  codoper CHARACTER VARYING(51),
  datatrs CHARACTER VARYING(9),
  oratrs CHARACTER VARYING(9),
  tmtrs INTEGER,
  filename CHARACTER VARYING(101)
);
COMMENT ON COLUMN trserp.datatrs IS 'Data di trasferimento';
COMMENT ON COLUMN trserp.oratrs IS 'Ora di trasferimento';
COMMENT ON COLUMN trserp.tmtrs IS 'Tm di trasferimento';
COMMENT ON COLUMN trserp.filename IS 'Nome del file generato';
ALTER TABLE ONLY trserp
  ADD CONSTRAINT trserp_pkey PRIMARY KEY (codice);
```

## ProAlpha

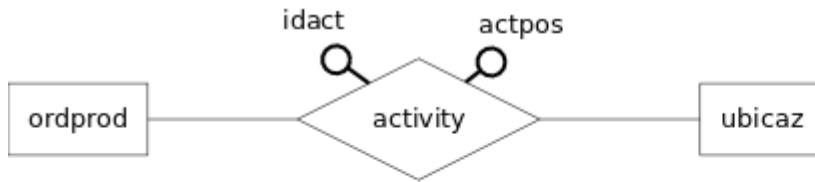
```
<?xml version="1.0"?>
<ds0EE xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Activity>
    <Company>000</Company>
    <WorkOrderNumber>1220433</WorkOrderNumber>
    <IDAct>1683438</IDAct>
    <ActPos>50</ActPos>
    <Qty>444</Qty>
    <QtyScrap>1</QtyScrap>
    <ScrapRemark>Ausschuss</ScrapRemark>
    <Resource>821102</Resource>
    <Finished>no</Finished>
    <TimeTE>43294</TimeTE>
    <TimeTR>3514</TimeTR>
    <TimeUnit>0</TimeUnit>
  </Activity>
</ds0EE>
```

Il dato relativo ad ActPos va ricavato dal file di Input vedi sotto:



```
<Activity>
  <Company>000</Company>
  <ProcessDomain>PPA</ProcessDomain>
  <Process>LA-00240629</Process>
  <PartProcess>1204030</PartProcess>
  <IDAct>1682197</IDAct>
  <ActPos>5</ActPos>
</Activity>
<BasisResource>720206</BasisResource>
<CostTypeGroup>210</CostTypeGroup>
<MultiMachFactor>5</MultiMachFactor>
<Resource>
  <Company>000</Company>
  <IDAct>1682197</IDAct>
  <ResourceType>7</ResourceType>
  <ResourceTypeDesc>Work Station</ResourceTypeDesc>
  <ResourcePos>0</ResourcePos>
  <Resource>720206</Resource>
  <Intensity>1.00</Intensity>
  <Active>true</Active>
  <Alternative>false</Alternative>
  <SetupTime>0.65</SetupTime>
  <SetupTimeTU>2</SetupTimeTU>
  <SetupTimeTUDesc>Hour</SetupTimeTUDesc>
  <JobTime>1.35</JobTime>
  <JobTimeTU>2</JobTimeTU>
  <JobTimeTUDesc>Hour</JobTimeTUDesc>
  <TimeQuantityUnit>100</TimeQuantityUnit>
</Resource>
```

Dal file di Input bisogna alimentare la relazione "activity" dichiarata sotto



activity(codice, codop, codubi, idact, actpos)  
 Primary Key on Codice  
 Foreign Key from codop to ordprod.codop  
 Foreign key from codubi to ubicaz.codice  
 Unique key (codop, codubi)

```

CREATE TABLE activity (
  codice INTEGER NOT NULL,
  codop CHARACTER VARYING(51),
  codubi CHARACTER VARYING(51),
  idact CHARACTER VARYING(51),
  actpos CHARACTER VARYING(51)
);
COMMENT ON COLUMN activity.codop IS 'Codice ordine di produzione (ordprod.codop)';
COMMENT ON COLUMN activity.codubi IS 'Codice ubicazione (ubicaz.codice)';
ALTER TABLE ONLY activity
  ADD CONSTRAINT activity_codop_codubi_key UNIQUE (codop, codubi);
ALTER TABLE ONLY activity
  ADD CONSTRAINT activity_pkey PRIMARY KEY (codice);
ALTER TABLE ONLY activity
  ADD CONSTRAINT activity_codop_fkey FOREIGN KEY (codop) REFERENCES
ordprod(codop) ON DELETE CASCADE;
ALTER TABLE ONLY activity
  ADD CONSTRAINT activity_codubi_fkey FOREIGN KEY (codubi) REFERENCES
ubicaz(codice) ON DELETE CASCADE;
  
```

## Query per visualizzare tali dati

Aktivität (Workorder Position/machine):

```
SELECT identif FROM ubicaz WHERE codice='821102A';
```

Menge Gut (number of good parts):

```

SELECT SUM(movimag.qta) AS npp FROM movimag INNER JOIN (lottim INNER JOIN (prodord
INNER JOIN produbi ON prodord.codprod=produbi.codice) ON
prodord.codop=lottim.procord) ON movimag.codlot=lottim.codice WHERE
produbi.codubi='821102A' AND prodord.codop='1220433' AND
(produbi.tmfi>'1493902281'OR produbi.tmfi IS NULL) AND movimag.codcau='PREL' AND
movimag.codubi='821102A';
  
```

Menge Ausschuss (number of scrap):

```

SELECT SUM(movimag.qta) AS nps FROM movimag INNER JOIN (lottim INNER JOIN (prodord
INNER JOIN produbi ON prodord.codprod=produbi.codice) ON
  
```

```
prodord.codop=lottim.procord) ON movimag.codlot=lottim.codice WHERE
produbi.codubi='821102A' AND prodord.codop='1220433' AND
(produbi.tmfi>'1493902281'OR produbi.tmfi IS NULL) AND movimag.codcau='SCAPR' AND
movimag.codubi='821102A';
```

Buchungshinweis (additional information about scrap):

```
SELECT causanc.codice, movimag.qta FROM causanc INNER JOIN (movimag INNER JOIN
(lottim INNER JOIN (prodord INNER JOIN produbi ON prodord.codprod=produbi.codice)
ON prodord.codop=lottim.procord) ON movimag.codlot=lottim.codice) ON
causanc.codice=movimag.caudef WHERE produbi.codubi='821102A' AND
prodord.codop='1220433' AND (produbi.tmfi>'1493902281'OR produbi.tmfi IS NULL) AND
movimag.codcau='SCAPR' AND movimag.codubi='821102A';
```

Abgeschlossen (AkvP fertig) (status of work order partly oder finished):

```
SELECT SUM(movimag.qta) AS STATUS FROM movimag INNER JOIN lottim ON
movimag.codlot=lottim.codice WHERE movimag.codcau='PREL' AND
lottim.procord='1220433';
```

Mitarbeiter Nr. (ident. nr. of worker):

```
SELECT (CASE WHEN ndip IS NULL THEN '1' ELSE ndip END) AS nrworkers FROM ordprod
WHERE codop='1220433';
```

Zeit te (working time machine/100st) ???:

```
SELECT SUM(tmdiff) FROM movimag WHERE codcau='INFM' AND tm>'1493902281' AND
tm<'1493976666' AND codubi='821102A';
```

Zeit tr (setup time) ???:

```
SELECT SUM(tmdiff) FROM movimag WHERE codcau='FIFM' AND caufm='setup' AND
tm>'1493902281' AND tm<'1493976666' AND codubi='821102A';
```

## SAP flashing-back

The RFC function module name is /FOX/PP\_ANDON\_CONF

- Parameters:
  - budate = posting date
  - store = default 0
  - EXNAM = defaultl space
  - iv\_confime is a structure - order number and yield quantity and unit of measure should be in, the times can be empty.

**Structure Editor: Change IV\_CONFTIME from Entry**

| AUFNR   | DATUM      | USE | TIME1 | TIME2 | TIME3 | TIME4 | TIME5 | DATUM |
|---------|------------|-----|-------|-------|-------|-------|-------|-------|
| 3605028 | 16.05.2017 | PC  | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |       |

- iv\_rueck contains the confirmation numbers.

The export parameter subrc = S - in case it worked or E it failed.

Here the different views on the FM you can call. all is on QE1 our test system need to be called via logon groups as for the other one before.

**Function Builder: Display /FOX/PP\_ANDON\_CONF**

Function module: /FOX/PP\_ANDON\_CONF Active

Attributes Import Export Changing Tables Exceptions Source code

```

FUNCTION /fox/pp_andon_conf.
  ***Local Interface:
  ** IMPORTING
  **   VALUE(BUDAT) TYPE  BUDAT
  **   VALUE(STORE) TYPE  AUERU OPTIONAL
  **   VALUE(EXNAM) TYPE  RU_EXNAM OPTIONAL
  **   VALUE(IV_CONFTIME) TYPE  /FOX/PP_PRODORD_CONFTIME
  **   VALUE(IV_RUECK) TYPE  CO_RUECK
  ** EXPORTING
  **   VALUE(SUBRC) TYPE  WDY_BOOLEAN
  ** TABLES
  **   PRODORD_CONFTIME STRUCTURE  /FOX/PP_PRODORD_CONFTIME
  ***
  
```

**Test Function Module: Result Screen**

Test for function group: /FOX/PP\_ANDON\_GENERAL  
 Function module: /FOX/PP\_ANDON\_CONF  
 Uppercase/Lowercase: ☐

Runtime: 2,204,459 Microseconds

RFC target sys: [ ]

| Import parameters | Value                                           |
|-------------------|-------------------------------------------------|
| BUDAT             | 16.05.2017                                      |
| STORE             | 0                                               |
| EXNAM             |                                                 |
| IV_CONFTIME       | 3605028 10.000 PC 0.000 0.000 0.000 0.000 0.000 |
| IV_RUECK          | 0005908210                                      |

| Export parameters | Value |
|-------------------|-------|
| SUBRC             | S     |

| Tables           | Value     |
|------------------|-----------|
| PRODORD_CONFTIME | 0 Entries |
| Result:          | 1 Entry   |