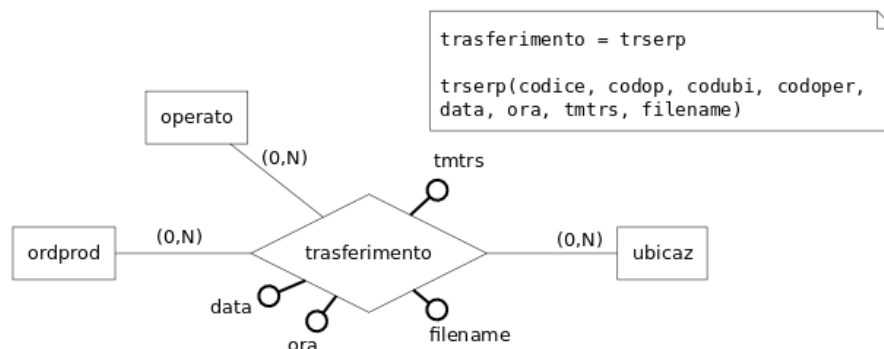
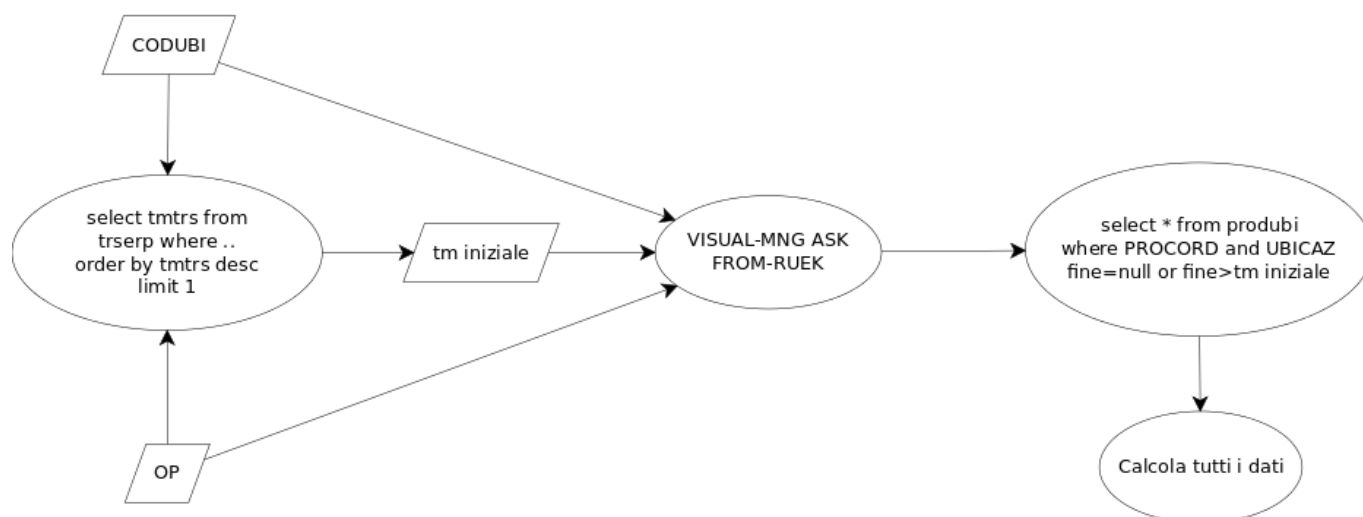


ERP Flashing back

TABLE TRSERP FOR STORING FLOW



WORK-FLOW AGENT-PROALPHA -> AGENTVISMNG

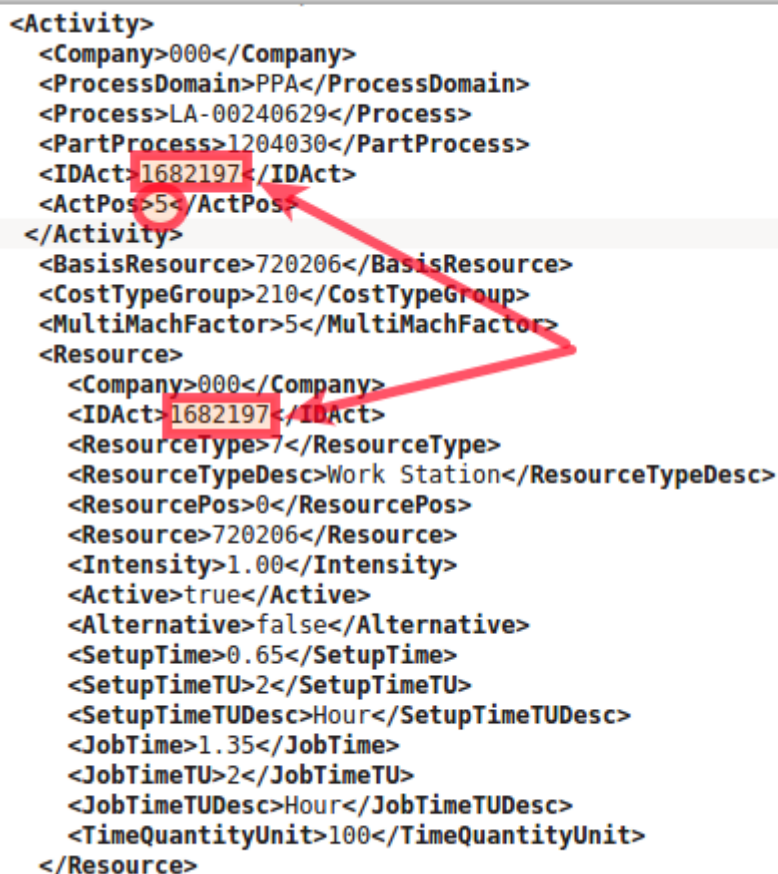


```
CREATE TABLE trserp (
  codice INTEGER NOT NULL,
  codop CHARACTER VARYING(51),
  codubi CHARACTER VARYING(51),
  codoper CHARACTER VARYING(51),
  datatrs CHARACTER VARYING(9),
  oratrs CHARACTER VARYING(9),
  tmtrs INTEGER,
  filename CHARACTER VARYING(101)
);
COMMENT ON COLUMN trserp.datatrs IS '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

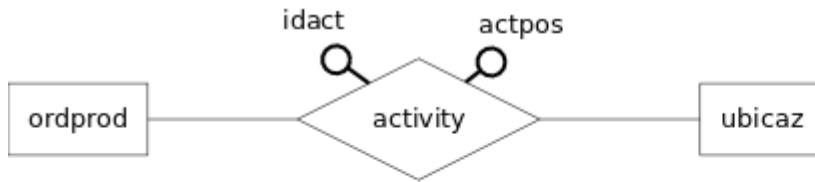
```
<?xml version="1.0"?>
<ds0EE xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Activity>
    <Company>000</Company>
    <WorkOrderNumber>1220433</WorkOrderNumber>
    <IDAct>1683438</IDAct>
    <ActPos>50</ActPos>
    <Qty>444</Qty>
    <QtyScrap>1</QtyScrap>
    <ScrapRemark>Ausschuss</ScrapRemark>
    <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

RFC /FOX/PP_ANDON_CONF: Data dictionary new version

Field name	Description
BUDAT	Data
AUFNR	Work order
IV_RUECK	Order confirmation
GAMNG	Number of produced items
GMEIN	Unit of measure (ST)
IV_FINAL	confirmed CNF state
IV_SCRAP	number of scrap items