

PLM JobManager

Documentation – define Object Attribute TC - SQL

Created by : J.Feuerstein
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Site settings

Edit Site def.

Site Id: MLHPR, Active: ☒, Data Source Type: TC, Site Description: MLHPR

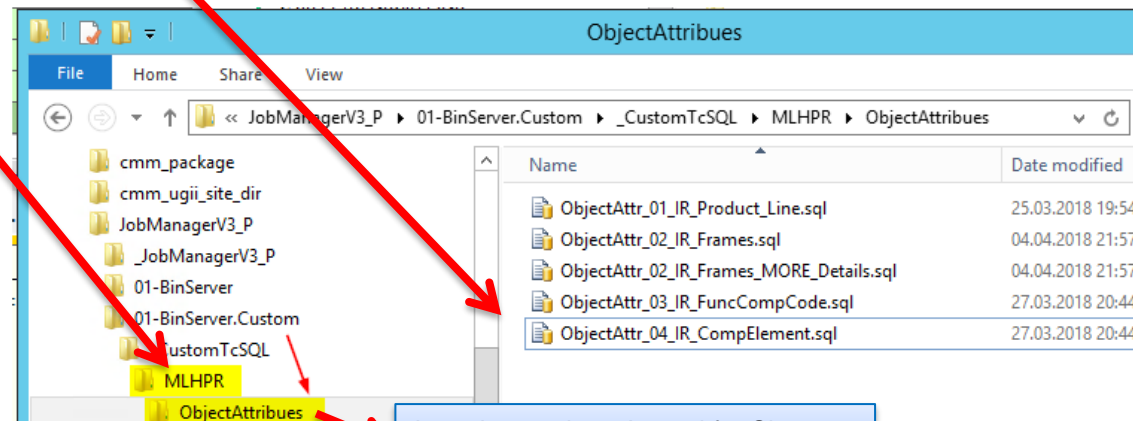
TC Settings | Import Settings 1 | Import Settings 2 | Import Settings 3 | Object Attribute

HasAnyActiveObjectDef_Fast: True

Obj. Attribute Settings

| ObjectAttrDef | ObjectAttr |
|---------------------------------|---|
| ObjectAttrDef01 | O.Attr.01 (Product Line) [Descr:#New 26.03.2018/J.Fes][Activ:Yes] |
| Activ | True |
| Name | Product Line |
| Descript | #New 26.03.2018/J.Fes |
| SQL File Name for Item Data | ObjectAttr_01_IR_Product_Line.SQL |
| SQL File Name for Revision Data | ObjectAttr_01_IR_Product_Line.SQL |
| SQL File Name for Dataset Data | ObjectAttr_01_IR_Product_Line.SQL |
| ObjectAttrDef02 | O.Attr.02 [Descr:Frame: NOT jet avialabe #New:27.03.2017J.Fes][Activ:No] |
| ObjectAttrDef03 | O.Attr.03 (Functional Comp.Code) [Descr:#New:27.03.2017/J.Fes][Activ:Yes] |
| Activ | True |
| Name | Functional Comp.Code |
| Descript | #New:27.03.2017/J.Fes |
| SQL File Name for Item Data | ObjectAttr_03_IR_FuncCompCode.sql |
| SQL File Name for Revision Data | ObjectAttr_03_IR_FuncCompCode.sql |
| SQL File Name for Dataset Data | ObjectAttr_03_IR_FuncCompCode.sql |
| ObjectAttrDef04 | O.Attr.04 (Comp./Elem.) [Descr:#New:27.03.2017/J.Fes][Activ:Yes] |
| ObjectAttrDef05 | O.Attr.05 [Descr:][Activ:No] |
| ObjectAttrDef06 | O.Attr.06 [Descr:][Activ:No] |

SQL for Attribute



Location to place Attr.sql for Site
..\JobMgrSiteId\ObjectAttributes\

SQL - Example

```
select ps4_component_group from infodba.PITEMREVISION IR  
where IR.puid = :para_IrPuid
```

Following SQL parameter are available in all SQL Files:

| | |
|----------------|--|
| :para_ItemPuid | → contains value of Item PUID |
| :para_IrPuid | → contains value of Item Revision PUID |
| :para_DsPuid | → contains value of Dataset PUID |

This sql Parameter can be used in any Attribute SQL Script. This means that for Example a Script that is defined for IR selection can also contain SQL Parameter :para_ItemPuid

Example Get Table and Columns for Form class

1. Setup TC to View Real Data in TC Gui
|→ To view TC Real Names please setup in TC : Edit -> Options... -> UI -> Sys Admin -> Enable 'Real Property Name'
2. Select in TC Form and double click the or view Summary (1*)
3. Get via TCSQLGetClassData.sql and filter (3*) for Attribut Name in TC Class the POM_ATTNAME_INTC_CLASS (4*) tablename (5*)
colume names (6*)

The screenshot shows the SAP interface. On the left, the 'Objekt drucken' (Print Object) button is visible. The main area displays a list of migration objects. The object 'Vi_MAW_MigForm' is selected, and its attributes are shown in the right pane. The attribute 'MK_IDNR' is highlighted with a red box and a yellow circle containing the number '3'. A red arrow points from this attribute to the 'MK_IDNR' field in the 'MIGRATION-ATTRIBUTE-ESS' table.

SQL Workbench History

Worksheet Query Builder

```

AND x.pname like 'Vi_ItemMaster' ;

-- Daten der IR Vi_MAW_MigForm
SELECT
  x.pname      Class_Namet,
  pom.pname    pom_AttrName_inTc_Class,
  pc.PTNAME    AttrData_inTbl,
  pom.PDBNAME  pom_AttrData_inTbl_Colume
FROM
  (SELECT level sortx,
   connect_by_root(pname) classes, pname
   FROM infodba.ppom_class pc
   -- WHERE pc.pname like '%MK%'
   CONNECT BY nocycle prior pc.pname = pc.psuperclass
   ORDER BY level DESC
  ) x,
  infodba.ppom_attribute pom,
  infodba.ppom_class pc
WHERE x.classes = pc.pname
AND pc.puid      = pom.rdefining_classu
AND x.pname like 'Vi_MAW%' -- TC Classen
AND pom.pname like 'MK_&' -- Attribut Name der TC Classen
AND pc.PTNAME like 'PVI_MAW_&' -- Tabllen Name in dem die Attribut Daten der Classen gespe
AND pom.PDBNAME like 'pMK%'; -- die Spalten der Tabellen in dem die Daten gespeichert w
  
```

Script Output x Query Result x

Rows Fetched: 57 in 0.059 seconds

| | CLASS_NAMET | POM_ATTRNAME_INTC_CLASS | ATTRDATA_INTBL | POM_ATTRDATA_INTBL_COLUME |
|---|----------------|-------------------------|-----------------|---------------------------|
| 1 | Vi_MAW_MigAttr | MK_artikel_id | PVI_MAW_MIGATTR | pMK_artikel_id |
| 2 | Vi_MAW_MigAttr | MK_Bezeichnungl | PVI_MAW_MIGATTR | pMK_Bezeichnungl |
| 3 | Vi_MAW_MigAttr | MK_artikel_art_maw | PVI_MAW_MIGATTR | pMK_artikel_art_maw |

SQL Redrive PBOMClass Model

```

SELECT x.pname ClassNamet,
       pa.pname AttrNameOnClass,
       pc.PTNAME inTable,
       pa.PDBNAME TblSpalte
FROM
  (SELECT level sortx,
         connect_by_root(pname) classes,
         pname
  FROM infodba.ppom_class
   WHERE pname LIKE 'Dataset%' or pname like 'SEP_Des%'
   CONNECT BY nocycle prior pname = psuperclass
   ORDER BY level DESC
  ) x,
  infodba.ppom_attribute pa,
  infodba.ppom_class pc
WHERE x.classes = pc.pname
AND pc.puid = pa.rdefining_classu
AND pa.pname like 's4_produc%';

```

```

-- Select ir
select ps4_product_line from infodba.pitemrevision where puid= '1RBxwPblxntUXB' ;
select ps4_product_line from infodba.pitemrevision where puid= 'B_BxBz0XxntUXB' ;
-- Select DS
select ps4_product_line from infodba.pdataset where puid= '1ZJxwPblxntUXB' ;
select ps4_product_line from infodba.pdataset where puid= 'B_BxBz0XxntUXB' ;

```

Summary x Details Impact Analysis Viewer JT Preview Process History

266005-121031_D/A;7

Owner: Kreutzer, Andrea (z0003gno) Group ID: Engineering.Generators Last Modified Date: 21-Feb-2018 14:24

Last Modifying User: cmm6 (cmm6) Checked-Out By: Type: SEP_DesignRevision Project IDs:

Class Type

| | CLASSNAMET | ATTRNAMEONCLASS | INTABLE | TBLSPALTE |
|---|--------------------|------------------|------------------|-------------------|
| 1 | SEP_Design | s4_product_line2 | PWORKSPACEOBJECT | ps4_product_line2 |
| 2 | SEP_DesignRevision | s4_product_line2 | PWORKSPACEOBJECT | ps4_product_line2 |
| 3 | SEP_DesignRevision | s4_product_line | PITEMREVISION | ps4_product_line |
| 4 | Dataset | s4_product_line2 | PWORKSPACEOBJECT | ps4_product_line2 |
| 5 | Dataset | s4_product_line | PDATASET | ps4_product_line |

1* Case Sensitiv !!

#New: 22.03.2018 – from Simon Sommer and Faller