**商擎系统-挑拾项目ETL说明书**

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修订记录

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# 1适用范围

基于商擎数据平台数据中台表结构ETL接口对接

# 2数据概述

## 2.1 数据库环境

挑拾：Oracle Datebase 11.2.0.1.0

商擎: Sqlsever 2008R2

## 2.2 商擎基础数据列表

红色为已清洗

### 2.2.1 基础资料类

1. 门店信息表dm\_i\_shop

2. 商品资料表 dm\_i\_goods

3. 类别信息表 **说明：小类表，对应商擎类别规则表**

类别表 dm\_i\_category

柜组表 dm\_i\_group

课别表 dm\_i\_class

4. 供应商信息表 dm\_i\_Vender

5. 商品价格表 dm\_d\_goodsshop

6. 商品分解关系表 dm\_i\_splitgoods

**2.2.2 销售流水**

1. 销售流水表 dw\_d\_cashj 收银明细表，保存收银动作支付类型

dw\_d\_payj 收银流水表，保存流水总额，会员号，流水时间

dw\_d\_salej 收银商品明细表

2. 销售日汇总表 dm\_d\_shopdaysalestock

3. 销售明细表 dw\_d\_salecostitem

4. 类别销售汇总表 dm\_d\_customersheet

5. 团购销售表 dw\_d\_abnsalej 团购/批发销售明细表

dm\_d\_customersheetG 团购每日类别汇总表

**2.2.3 库存类**

1. 每日库存 dm\_d\_inventory

2. 库存三级明细账 dw\_d\_wastebook (保存每日商品、每笔库存变动记账表)

**2.2.4 单据类**

1. 订单表 dw\_d\_purchaseitem

2. 进货验收入库表 dw\_d\_reciptitem

3. 配送入库表 dw\_d\_rationitem

4. 盘点表 dw\_d\_stockpd

6. 退货表 dw\_d\_retitem

7. 价格变动表 dw\_d\_pricechangeitem

**2.2.4 汇总类**

1. 近期业务往来表 dm\_d\_goodsshop/dm\_g\_goodslistbase

2. 供应商费用、返点、扣补 待定

**2.2.5 日结汇总类**

1. 商品明细表 dw\_d\_SaleCostItem

2. 月度销售汇总表 dm\_d\_ShopMonthSale

3. 商品故事线 dm\_g\_stockline

4. 实时销售汇总报表 odw\_d\_Rtsale\_now

# 3数据对应关系

## 3.1 基础资料类

### 3.1.1 门店信息表

**表名称：** 门店表dm\_i\_shop

在挑拾数据库中对应的表格为TSYSOVERSHOP

**数据字典说明：**

|  |  |
| --- | --- |
| **dm\_i\_shop** | **TSYSOVERSHOP** |
| ShopID | orgcode |
| Sno | orgcode |
| ShopName | orgname |
| Sname | orgname |
| OpenDate |  |
| CloseDate |  |
| ShopType |  |
| GroupName |  |
| AreaS |  |
| isOn | USPOS |
| IP |  |
| DBName |  |
| ShopMan |  |
| Addr |  |
| AreaName |  |
| AreaMan |  |
| ShopUID |  |
| odBy |  |

**ETL过程：**

Select orgcode ShopID,orgcode SNo,orgname ShopName,

case when orgname='浙江挑拾网络科技有限公司' then orgname

else replace(replace(orgname,'挑拾',''),'嘉兴','') end SName ,

null OpenDate,null CloseDate,null ShopType,null GroupName,

null AreaS,uspos isOn,null IP,null DBName,null ShopMan,

null Addr,null AreaName,null AreaMan,

REPLACE(NEWID(),'-','') ShopUID,null odBy

from OpenQuery(ORCL,'

select \*

from TSYSOVERSHOP ')

### 3.1.2 商品资料表

**表名称：** 商品资料表dm\_i\_goods

在挑拾数据库中对应的表格为TSKUPLU

**数据字典说明：**

|  |  |  |
| --- | --- | --- |
| **dm\_i\_goods** | **TSKUPLU** | **字段解释** |
| GoodsID | Plucode | 商品编码 |
| GoodsName | pluname | 商品名称 |
| BarCode | BarCode | 柜台编码 |
| CategoryID | Clscode | 商品类别 |
| GoodsUID |  | 商品UID（自生成） |
| UnitName | Unit | 单位名称 |
| Spec | Spec | 单位 |
| Pik |  |  |
| Cost |  | 进价 |
| Price | Price | 售价 |
| GroupID |  | 柜组编码 |
| Producing |  | 供应商 |
| Brand |  | 单位 |
| VenderID |  | 供应商编码 |
| ConCost |  |  |
| CrtDate | LRDATE | 新建时间 |
| EdtDate |  | 最后编辑时间 |
| QADays |  | 保质期 |
|  | isactive | 判断是否有效 |

**ETL过程：**

insert into dm\_i\_Goods

select plucode GoodsID,pluname GoodsName,BarCode,clscode CategoryID,

REPLACE(NEWID(),'-','') GoodsUID,Unit UnitName, Spec,null Pik,null Cost,Price,null GroupID,null Producing,null Brand,null VenderID,null ConCost,LRDATE CrtDate,null EdtDate,null QADays

from OpenQuery(ORCL,'

select a.\*,b.clscode

from TSKUPLU a

left join TCATCATEGORY b on a.clsid=b.clsid

where a.isactive=1')--isactive=0 为无效商品，提取有效商品

### 3.1.3 类别表

**表名称：**类别表dm\_i\_category

在挑拾数据库中对应的表格为TCATCATEGORY

**数据字典说明：**

|  |  |  |
| --- | --- | --- |
| **dm\_i\_category** | **TCATCATEGORY** | **字段解释** |
| CateID |  | 类别编码（极应编码） |
| CateName | clsname | 类别名称 |
| CategoryID | clscode | 类别编码（企业编码） |
| CategoryName | clsname | 类别名称 |
| GroupID |  | 柜组编码 |
| ClassID |  | 课别编码 |
| Flag |  | 标志 |
| CateUID |  | 类别UID |
|  | isactive | 判断是否有效 |

**ETL过程：**

insert into dm\_i\_Category

select clscode CateID,clsname CateName,clscode CategoryID,clsname CategoryName,0 GroupID,0 ClassID,null Flag,

REPLACE(NEWID(),'-','') CateUID

from OpenQuery(ORCL,'

select \*

from TCATCATEGORY where where isactive=1

--isactive=0 为无效类别，提取有效类别

order by cast(clscode as int)')

select CateID=case when CategoryID<10 then CategoryID+90

when CategoryID>10 and CategoryID<1000 then CategoryID+9\*power(10,len(CategoryID)+1)+

CategoryID/power(10,len(CategoryID)-1)\*power(10,len(CategoryID))

when CategoryID>1000 and CategoryID<100000 then (CategoryID+9\*power(10,len(CategoryID)+1)+CategoryID/

power(10,len(CategoryID)1)\*power(10,len(CategoryID)))/

100\*10000+CategoryID%100+CategoryID%100\*100 else CategoryID end,

CateName,CategoryID,CategoryName,GroupID,ClassID,Flag,CateUID

into #cate from dm\_i\_Category

union

select CateID=case when CategoryID<10 then CategoryID+90

when CategoryID>10 and CategoryID<1000 then CategoryID+9\*power(10,len(CategoryID)+1)+

CategoryID/power(10,len(CategoryID)-1)\*power(10,len(CategoryID))

when CategoryID>1000 and CategoryID<100000 then (CategoryID+9\*power(10,len(CategoryID)+1)+

CategoryID/power(10,len(CategoryID)1)\*power(10,len(CategoryID)))/

100\*100+CategoryID%100else CategoryID end,

CateName,CategoryID\*100+CategoryID%100,CategoryName,

GroupID,ClassID,Flag,CateUID

from dm\_i\_Category

where CategoryID>1000

union

select CateID=case when CategoryID<10 then CategoryID\*10+900+CategoryID

when CategoryID>10 and CategoryID<1000 then CategoryID+9\*power(10,len(CategoryID)+1)+

CategoryID/power(10,len(CategoryID)-1)\*power(10,len(CategoryID))

when CategoryID>1000 and CategoryID<100000 then (CategoryID+9\*power(10,len(CategoryID)+1+

CategoryID/power(10,len(CategoryID)-1)\*power(10,len(CategoryID)))/100\*100+CategoryID%100

else CategoryID end,

CateName,CategoryID\*10+CategoryID,CategoryName,

GroupID,ClassID,Flag,CateUID

from dm\_i\_Category

where CategoryID<10

delete from jadata\_ts..dm\_i\_Category

insert into jadata\_ts..dm\_i\_Category

select \* from #cate

update jadata\_ts..dm\_i\_Category set CateID=case

when CategoryID<10 then CategoryID+90

when CategoryID>10 then CategoryID+9\*power(10,len(CategoryID)+1)

else CategoryID end

### 3.1.4 供应商表

**表名称：** 供应商表dm\_i\_Vender

在挑拾数据库中对应的表格为TETPENTERPRISE

**数据字典说明：**

|  |  |  |
| --- | --- | --- |
| **dm\_i\_Vender** | **TETPENTERPRISE** | **字段解释** |
| VenderID | etpcode | 供应商编码 |
| VenderUID |  | 供应商UID |
| VenderName | etpname | 供应商名称 |
| VenderType | gentype | 供应商类型 |
| Flag |  | 标志 |

**ETL过程：**

insert into dm\_i\_vender

select ETPCODE VenderID,REPLACE(NEWID(),'-','') VenderUID,

ETPNAME VenderName,gentype VenderType, 0 Flag

from OpenQuery(ORCL,'

select \* from TETPENTERPRISE ')

## 3.2 销售类数据表

### 3.2.1 销售流水表

**表名称：** 收银流水单单号dw\_d\_PosPayJ

在挑拾数据库中对应的表格是TSALSALE201803

**数据字典说明：**

|  |  |  |
| --- | --- | --- |
| **dw\_d\_PosPayJ** | **TSALSALE201803** | **字段解释** |
| SDate | jzdate | 日期 |
| ShopID | orgcode | 门店编号 |
| PosID | POSNO | pos机编号 |
| SheetID | SALENO | 收银流水单号 |
| STime | XSDATE | 单据时间 |
| CasherID | CSHID | 会员号 |
| CashValue | SSTOTAL | 支付金额 |
| PayValue | zftotal | 流水总额 |
| BackValue | zltotal |  |
| DisValue | YSTOTAL-SSTOTAL | 返利 |
| MemberID | VIPCARDNO | 成员编号 |
| GuideID |  | 导购编号 |
| PlaceID |  | 地点编号 |
| PosPlace |  |  |

**ETL过程：**

declare @SDate varchar(8),@Str varchar(8)

set @SDate='20180408' ---输入增量日期

set @Str=LEFT(@SDate,6)

insert into dw\_d\_PosPayJ

exec('

Select \* from OpenQuery(ORCL,''

select to\_char(to\_date(jzDATE,''''yyyy-mm-dd''''),''''yyyymmdd'''') SDate,orgcode ShopID,cast(POSNO as varchar(50)) PosID,

SALENO SheetID,XSDATE STime,CSHID CasherID,SSTOTAL CashValue,

zftotal PayValue,zltotal BackValue,YSTOTAL-SSTOTAL DisValue, VIPCARDNO MemberID,0 GuideID,0 PlaceID,0 PosPlace

from TSALSALE'+@Str+'

where TRANTYPE<>''''5'''' and

to\_char(to\_date(jzDATE,''''yyyy-mm-dd''''),''''yyyymmdd'''')

='''''+@SDate+''''''')

order by sdate,shopid,sheetid

')

### 3.2.2 收银商品明细表

**表名称：** 收银商品明细表dw\_d\_PosSaleJ

在挑拾数据库中对应的表格为

tSalSalePlu201803、TSALSALE201803

**数据字典说明：**

|  |  |  |  |
| --- | --- | --- | --- |
| dw\_d\_PosSaleJ | tSalSalePlu201803 | TSALSALE201803 | 字段解释 |
| SDate | jzdate |  | 日期 |
| ShopID | orgcode |  | 门店编号 |
| PosID |  | posno | pos机编号 |
| SheetID | SALENO |  | 收银流水单号 |
| SNo | LNNO |  | 门店编码 |
| GoodsID | PLUID |  | 商品编号 |
| GroupID |  |  | 商品柜组 |
| Qty | xscount |  | 商品数量 |
| CostValue |  |  | 销售成本 |
| SaleValue | SSTOTAL |  | 销售金额 |
| OriSaleValue | YSTOTAL |  | 销售原价金额 |
| Price | PRICE |  | 标价 |
| WaiterID | null |  | 服务员编号 |
|  | Trantype |  | 5为每日结算，剔除 |
|  | packtype |  | 2为母商品 |

**ETL过程：**

declare @SDate varchar(8),@Str varchar(8)

set @SDate='20180408'

set @Str=LEFT(@SDate,6)

-----------打包的商品的销售金额设为0 ------

insert into dw\_d\_PossaleJ

exec('

Select \* from OpenQuery(ORCL,''

select to\_char(to\_date(a.jzDATE,''''yyyy-mm-dd''''),''''yyyymmdd'''') SDate,a.orgcode ShopID,B.POSNO PosID,a.SALENO SheetID,A.LNNO SNo,

a.pluCODE GoodsID,DEPCODE GroupID,a.xscount Qty,0 CostValue,

case when packtype=2 then 0 else a.SSTOTAL end SaleValue,a.YSTOTAL OriSaleValue,a.PRICE,0 WaiterID

from tSalSalePlu'+@Str+' a

left join TSALSALE'+@Str+' b on

to\_char(to\_date(a.jzDATE,''''yyyy-mm-dd''''),''''yyyymmdd'''')

=to\_char(to\_date(b.jzDATE,''''yyyy-mm-dd''''),''''yyyymmdd'''')

and a.orgcode=b.orgcode and a.SALENO=b.SALENO

where A.TRANTYPE<>''''5'''' and

to\_char(to\_date(a.jzDATE,''''yyyy-mm-dd''''),''''yyyymmdd'''')

='''''+@SDate+''''''')

order by sdate,shopid,sheetid

')

### 3.2.3 收银明细表

**表名称：** 收银明细表dw\_d\_PosCash

在挑拾数据库中对应的表格为tSalSalePay201804和TSALSALE201804

**数据字典说明：**

TSALSALE201801

|  |  |  |  |
| --- | --- | --- | --- |
| dw\_d\_PosCashJ | tSalSalePay201804 | TSALSALE201804 | 字段解释 |
| SDate | jzdate |  | 日期 |
| ShopID | orgcode |  | 门店编号 |
| PosID |  | POSNO | pos机编号 |
| SheetID | SALENO |  | 单据号 |
| CashType | ZFCODE |  | 支付类型 |
| CashValue | SSTOTAL |  | 支付金额 |
| Ch | serialno |  |  |
| CardNo | zfno |  | 会员卡编号 |

**ETL过程：**

------------------输入增量日期-----------

declare @SDate varchar(8),@Str varchar(8)

set @SDate='20180408'

set @Str=LEFT(@SDate,6)

------------------5为每日日结，剔除日结--------------

--insert into dw\_d\_PosCashJ

exec('

Select \* from OpenQuery(ORCL,''

select to\_char(to\_date(a.jzDATE,''''yyyy-mm-dd''''),''''yyyymmdd'''') SDate,a.orgcode ShopID,b.POSNO PosID,

1. SALENO SheetID,a.ZFCODE CashType,a.SSTOTAL CashValue,
2. serialno Ch,a.zfno CardNO

from tSalSalePay'+@Str+' a

left join TSALSALE'+@Str+' b

on to\_char(to\_date(a.jzDATE,''''yyyy-mm-dd''''),''''yyyymmdd'''') =to\_char(to\_date(b.jzdate,''''yyyy-mm-dd''''),''''yyyymmdd'''')

and a.orgcode=b.orgcode and a.SALENO=b.SALENO

where A.TRANTYPE<>''''5'''' and

to\_char(to\_date(a.jzDATE,''''yyyy-mm-dd''''),''''yyyymmdd'''')

='''''+@SDate+''''''')

order by sdate,shopid,sheetid

')

## 3.3 销售类数据表

### 3.3.1 每日库存表

**表名称：** 每日库存dm\_d\_inventory

在挑拾数据库中对应表格为TSTKKCJZBODY201803

**数据字典说明：**