|  |  |  |
| --- | --- | --- |
|  | t\_customer | 客户信息表 |
|  | t\_customer\_character | 客户性质表 |
|  | t\_customer\_source | 客户来源 |
|  | t\_customer\_type | 客户类型 |
|  | t\_district | 片区 |
|  | t\_gas\_store | 门店 |

# 基础表

## 系统参数配置t\_system\_param

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | alive\_expire\_time | int | 心跳超时时长，单位：minute |
|  | alive\_check\_time | int | 心跳检测间隔，单位：second |
|  | push\_order\_range | int | 推送订单给派送工的距离范围，单位：km |
|  | push\_order\_max\_range | int | 推送订单的最大可推送距离，超过此距离不推送 |
|  | gas\_cyn\_tare\_differ\_weight |  |  |
|  | order\_overtime |  | 订单超时时长 |
|  | note | varchar(64) |  |
|  | create\_time | timestamp |  |
|  | updata\_time | timestamp |  |

## 用户组t\_group

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | code | varchar(64) |  |
|  | name | varchar(64) |  |
|  | note | varchar(64) |  |
|  | create\_time | timestamp |  |
|  | updata\_time | timestamp |  |

## 用户表t\_user

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | user\_id | varchar(64) | 登录名 |
|  | password | varchar(16) | 密码 |
|  | identity | varchar(64) | 身份证号码 |
|  | name | varchar(64) | 真实姓名 |
|  | group\_idx | int |  |
|  | wx\_open\_id | varchar(64) | 微信鉴权唯一id |
|  | note | varchar(64) |  |
|  | create\_time | timestamp |  |
|  | updata\_time | timestamp |  |

## 区域表 t\_area

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | province | varchar(64) | 省 |
|  | city | varchar(64) | 市 |
|  | county | varchar(64) | 区/县 |
|  | note | varchar(64) |  |
|  | create\_time | timestamp |  |
|  | updata\_time | timestamp |  |

# 客户类

## 客户信息表 t\_customer

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | user\_idx | int | 客户IDx |
|  | cst\_number | varchar(64) | 客户编号 |
|  | have\_cylinder | Int | 是否携瓶入户 |
|  | status | int | 客户状态  0 正常  1 退户 |
|  | settlement\_type | int | 客户结算类型索引 |
|  | cst\_type | int | 客户类型索引 |
|  | cst\_source | int | 客户来源索引 |
|  | cst\_level | int | 客户级别索引 |
|  | cst\_company\_name | int | 公司名称索引 |
|  | phone | varchar(11) | 客户电话 |
|  | addr\_province | varchar(64) | 省 |
|  | addr\_city | varchar(64) | 市 |
|  | addr\_country | varchar(64) | 区/县 |
|  | addr\_detail | varchar(64) | 详细地址（街道-社区-门牌） |
|  | note | varchar(64) |  |
|  | create\_time | timestamp |  |
|  | updata\_time | timestamp |  |

## t\_user\_card用户卡

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | card\_number | varchar | 卡号 |
|  | status |  | 0待开卡  1 开卡  2 停用 |
|  | note | varchar(64) |  |
|  | create\_time | timestamp |  |
|  | updata\_time | timestamp |  |

## t\_user\_card\_rel 用户卡绑定关系

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | user\_idx | Int | 用户idx |
|  | card\_idx |  | 卡idx |
|  | note | varchar(64) |  |
|  | create\_time | timestamp |  |
|  | updata\_time | timestamp |  |

## t\_customer\_credit 客户当前赊账/月结表

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | user\_idx | int | 客户基表索引 |
|  | amount | float | 欠款金额 |
|  | credit\_type |  | 赊账类型  0 普通赊账  1 月结用户赊账 |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

## t\_customer\_credit\_detail赊账/月结记录明细

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | user\_idx | int | 客户IDx |
|  | amount |  | 赊账金额 |
|  | credit\_type |  | 赊账类型  0 普通赊账  1 月结用户赊账 |
|  | order\_idx | int | 关联订单号 |
|  | note |  |  |
|  | create\_time |  |  |

## t\_write\_off\_detail 销账记录明细

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | user\_idx | int | 客户IDx |
|  | amount |  | 销账金额 |
|  | credit\_type |  | 赊账类型  0 普通赊账  1 月结用户赊账 |
|  | pay\_type | int | 销账方式  0 电子支付  1 现金支付 |
|  | oper\_idx |  | 门店销售人员 |
|  | note |  |  |
|  | create\_time |  |  |

## t\_ticket用户气票表

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | ticket\_sn |  | 气票编号 |
|  | customer\_idx |  | 客户 |
|  | spec\_idx |  | 规格(对应商品类型为液化气的商品规格) |
|  | saleman\_idx |  | 门店销售人员 |
|  | sale\_dep\_idx |  |  |
|  | price |  | 单价 |
|  | exp\_time\_start |  | 有效期 |
|  | exp\_time\_end |  |  |
|  | use\_status |  | 0 待使用  1 已使用 |
|  | use\_time |  | 使用日期 |
|  | note |  |  |
|  | create\_time |  |  |
|  | update\_time |  |  |

## t\_ticket\_order 气票消费记录

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | ticket\_idx |  |  |
|  | order\_idx |  |  |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

## t\_coupon用户优惠卷

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | customer\_idx |  | 客户 |
|  | spec\_idx |  | 规格 |
|  | price |  | 单价 |
|  | oper\_idx |  | 门店销售人员 |
|  | exp\_time\_start |  | 有效期 |
|  | exp\_time\_end |  |  |
|  | use\_status |  | 0 待使用  1 已使用 |
|  | use\_time |  | 使用日期 |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

## t\_coupon\_order 优惠卷消费明细

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | coupon\_idx |  |  |
|  | order\_idx |  | 关联订单 |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

## ~~t\_sub\_customer~~

|  |  |  |  |
| --- | --- | --- | --- |
| ~~序号~~ | ~~字段~~ | ~~类型~~ | ~~说明~~ |
|  | ~~id~~ |  |  |
|  | ~~user\_idx~~ | ~~int~~ | ~~用户表索引~~ |
|  | ~~have\_cylinder~~ | ~~int~~ | ~~是否携瓶入户~~ |
|  | ~~status~~ | ~~int~~ | ~~客户状态 正常 退户~~ |
|  | ~~cst\_type~~ | ~~int~~ | ~~客户类型~~ |
|  | ~~cst\_source~~ | ~~int~~ | ~~客户来源~~ |
|  | ~~cst\_level~~ | ~~int~~ | ~~客户级别~~ |
|  | ~~cst\_company\_name~~ | ~~int~~ | ~~公司名称~~ |
|  | ~~addr\_province~~ |  | ~~省~~ |
|  | ~~addr\_city~~ |  | ~~市~~ |
|  | ~~addr\_country~~ |  | ~~区/县~~ |
|  | ~~addr\_detail~~ |  | ~~详细地址（街道-社区-门牌）~~ |
|  | ~~note~~ |  |  |
|  | ~~create\_time~~ |  |  |
|  | ~~updata\_time~~ |  |  |

## t\_customer\_callin

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id |  |  |
|  | phone |  | 呼入号码 |
|  | user\_idx |  | 客户索引 |
|  | addr\_province |  | 省 |
|  | addr\_city |  | 市 |
|  | addr\_country |  | 区/县 |
|  | addr\_detail |  | 详细地址（街道-社区-门牌） |
|  | create\_time |  |  |
|  | updata\_time |  |  |

## t\_advice 客户建议

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id |  |  |
|  | user\_idx |  | 客户索引 |
|  | advice |  | 客户建议内容 |
|  | create\_time |  |  |
|  | updata\_time |  |  |

## t\_elect\_deposit 电子押金单

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id |  |  |
|  | deposit\_sn |  | 电子押金单编号 |
|  | customer\_idx |  | 客户索引 |
|  | oper\_idx |  | 派送工IDx |
|  | oper\_dep\_idx |  | 派送工所属部门idx |
|  | amount\_receivable |  | 应收金额 |
|  | actual\_amount |  | 实收金额 |
|  | deposit\_status |  | 0 待核单  1 已核单 |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

## t\_elect\_deposit\_detail 电子押金单明细

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id |  |  |
|  | deposit\_idx |  | 电子押金单idx |
|  | deposit\_type |  | 押金单类型  0 瓶换瓶  1 押金瓶 |
|  | gyn\_spec\_idx |  | 规格 |
|  | quantity |  | 数量 |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

## 客户结算类型表t\_customer\_settlement\_type

00001 普通客户

00002 月结客户

00003 气票客户

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | code |  |  |
|  | name |  |  |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

## 客户级别表t\_customer\_level

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | code |  |  |
|  | name |  |  |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

## 客户来源表 t\_customer\_source

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | code |  |  |
|  | name |  |  |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

## 客户类型表t\_customer\_type

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | code |  |  |
|  | name |  |  |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

## t\_deposit\_detail 银行存款记录

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | oper\_idx |  | 操作员 |
|  | amount |  | 金额 |
|  | oper\_time |  | 存银行时间 |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

## ~~片区t\_district~~

|  |  |  |  |
| --- | --- | --- | --- |
| ~~序号~~ | ~~字段~~ | ~~类型~~ | ~~说明~~ |
|  | ~~id~~ | ~~int AUTO\_INCREMENT~~ |  |
|  | ~~code~~ |  | ~~编码规则：~~  ~~省\_市\_片区，~~  ~~yn\_km\_yjd~~ |
|  | ~~name~~ |  |  |
|  | ~~city~~ | ~~int~~ | ~~所属城市~~ |
|  | ~~note~~ |  |  |
|  | ~~create\_time~~ |  |  |
|  | ~~updata\_time~~ |  |  |

## ~~门店t\_gas\_store~~

|  |  |  |  |
| --- | --- | --- | --- |
| ~~序号~~ | ~~字段~~ | ~~类型~~ | ~~说明~~ |
|  | ~~id~~ | ~~int AUTO\_INCREMENT~~ |  |
|  | ~~code~~ |  | ~~编码规则：~~  ~~省\_市\_片区\_门店，~~  ~~yn\_km\_yjd\_yjd~~ |
|  | ~~name~~ |  |  |
|  | ~~note~~ |  |  |
|  | ~~create\_time~~ |  |  |
|  | ~~updata\_time~~ |  |  |

# 系统用户类

## 系统用户信息表 t\_sysuser

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | user\_idx | int |  |
|  | department\_idx | int |  |
|  | job\_number | Varchar(64) | 工号 |
|  | mobile\_phone | varchar(16) | 电话 |
|  | office\_phone | varchar(16) | 工作电话 |
|  | email | Varchar(32) | 电子邮箱 |
|  | alive\_status |  | 在线状态  0 离线  1 在线 |
|  | service\_status |  | 0 正常  1 禁用 |

## 部门t\_department

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | code |  |  |
|  | name |  |  |
|  | parent\_idx |  |  |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

总部--财务

人力

行政

销售门店

客服

## t\_user\_position 派送员实时位置

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | user\_idx | int | 用户索引 |
|  | longitude | DOUBLE |  |
|  | latitude | DOUBLE |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

## ~~派送提成t\_dispatch\_bonus~~

|  |  |  |  |
| --- | --- | --- | --- |
| ~~序号~~ | ~~字段~~ | ~~类型~~ | ~~说明~~ |
|  | ~~id~~ | ~~int AUTO\_INCREMENT~~ |  |
|  | ~~goods\_idx~~ | ~~int~~ | ~~商品~~ |
|  | ~~bonus~~ | ~~float~~ | ~~提成~~ |
|  | ~~note~~ |  |  |
|  | ~~create\_time~~ |  |  |
|  | ~~updata\_time~~ |  |  |

# 云客服用户（科天云对接）

## 云客服用户表t\_cloud\_user

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | user\_id |  | 用户名 |
|  | password |  | 密码 |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

## 云客服与系统客服对应表t\_cloud\_panva\_user\_rel

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | cloud\_user\_idx |  | 云客服idx |
|  | panva\_user\_idx |  | 百江系统用户idx |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

# 商品类

## 商品类型 t\_goods\_type

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | code |  | 商品类别编码 |
|  | name |  |  |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

## 商品基本信息表 t\_goods

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | code |  |  |
|  | name |  |  |
|  | type\_idx |  | 商品类别idx |
|  | area\_idx |  |  |
|  | specifications |  | 规格 |
|  | unit |  | 单位 |
|  | weight |  | 净重 |
|  | life\_expectancy |  | 使用年限 |
|  | price | 浮点 | 单价 |
|  | status | 整型 | 商品状态，   1. 正常上市 2. 暂停销售 3. 商品下架 |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

## 商品--规格关联t\_goods\_spec\_rel

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | goods\_idx |  |  |
|  | spec\_idx |  | 不同类型不同规格表的Idx |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

# 订单类

## t\_order

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | order\_sn |  | 订单编号 |
|  | call\_in\_phone |  | 电话下单，呼入号码  微信下单，为空 |
|  | customer\_idx |  | 订单客户ID |
|  | amount |  | 实际总金额 |
|  | origal\_amount |  | 原始总金额 |
|  | refound\_sum |  | 残液回退金额 |
|  | pay\_type |  | 支付方式   1. 在线支付 2. 货到付款 3. 赊销方式 4. 月结方式 |
|  | trigger\_type |  | 0 正常订单  1 托盘气量监控生成订单 |
|  | status |  | 订单状态  待派送  派送中  已签收  订单结束  作废 |
|  | pay\_status |  | 支付状态   1. 待支付 2. 已支付 3. 退款中 4. 已退款 |
|  | invoice\_status |  | 发票是否已开 |
|  | pay\_time |  | 支付时间 |
|  | urgent | bool | 是否加急 |
|  | addr\_province |  | 收货地址 |
|  | addr\_city |  |
|  | addr\_county |  |
|  | addr\_detail |  |
|  | longitude |  |  |
|  | latitude |  |  |
|  | recv\_name |  | 收货人 |
|  | recv\_phone |  | 收货电话 |
|  | reserve\_time |  | 预约送货时间 |
|  | comment |  | 订单附言 |
|  | service\_quality |  | 服务质量  0 不满意  1 满意 |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

## t\_order\_dispatcher 订单-派送工对应关系

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | order\_idx |  | 订单编号 idx |
|  | dispatcher\_idx |  | 派送工idx |
|  | dispatcher\_dep\_idx |  | 派送工所在部门 |
|  | create\_time |  |  |
|  | update\_time |  |  |

## t\_order\_detail

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | order\_idx |  | 订单编号 idx |
|  | goods\_idx |  | 商品idx |
|  | deal\_price |  | 成交单价 |
|  | original\_price |  | 原始价格 |
|  | quantity |  | 数量 |
|  | ~~fefound\_sum~~ |  | ~~回退金额~~ |
|  | subtotal |  | 成交金额小计 （减去回退金额） |
|  | create\_time |  |  |
|  | updata\_time |  |  |

待做

|  |  |  |  |
| --- | --- | --- | --- |
| ~~序号~~ | ~~字段~~ | ~~类型~~ | ~~说明~~ |
|  | ~~id~~ | ~~int AUTO\_INCREMENT~~ |  |
|  | ~~order\_idx~~ |  | ~~订单编号 idx~~ |
|  | ~~goods\_idx~~ |  | ~~商品idx~~ |
|  | ~~gas\_cyn\_idx~~ |  |  |
|  | ~~full\_weight~~ |  |  |
|  | ~~empty\_weight~~ |  |  |
|  | ~~gas\_price~~ |  |  |
|  | ~~create\_time~~ |  |  |

## order\_op\_his订单操作历史信·息

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | order\_idx |  | 订单编号 idx |
|  | oper\_idx |  | 操作人 |
|  | oper\_log |  | 订单操作说明  订单已创建  订单正在派送中  订单已签收  订单已结束 |
|  | updata\_time |  |  |

## 订单与微信支付订单关联表t\_order\_weixin

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | order\_idx | int |  |
|  | weixin\_order\_sn | varchar |  |
|  | amount | double |  |
|  | create\_time |  |  |
|  | update\_time |  |  |

## 订单与钢瓶关联表t\_order\_gas\_cyn

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | order\_idx | int |  |
|  | gas\_cyn\_idx | int |  |
|  | status |  |  |
|  | note |  |  |
|  | create\_time |  |  |
|  | update\_time |  |  |

## 订单回款详情表t\_order\_refound\_detail

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | order\_idx | int not null |  |
|  | gas\_cyn\_idx | Int not null |  |
|  | prev\_order\_idx | Int null |  |
|  | prev\_goods\_idx | Int null |  |
|  | refound\_weight |  | 回收瓶重量，含参液 |
|  | stand\_weight |  | 标称重量（液体重量） |
|  | tare\_weight |  | 皮重 |
|  | deal\_price |  | 对应商品的成交价格 |
|  | unit\_price |  | 单价 |
|  | remain\_gas |  | 残液 |
|  | refound\_sum |  | 回款数额=单价\*残液 |
|  | cacl\_type | bool | 0 系统自动计算  1 人工强制计算 |
|  | note |  |  |
|  | create\_time |  |  |
|  | update\_time |  |  |

## 订单加催记录t\_order\_urgency

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id |  |  |
|  | order\_idx |  | 订单索引 |
|  | ntoe |  | 备注内容 |
|  | create\_time |  |  |
|  | updata\_time |  |  |

# 钢瓶管理

## t\_gas\_cylinder\_spec 钢瓶规格表

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | code | int | 规格类型 |
|  | name | varchar | 规格名称 |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

## t\_gas\_cylinder 钢瓶信息

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | number | varchar | 钢瓶编号 |
|  | factory\_idx | int | 厂家idx |
|  | spec\_idx | int | 钢瓶规格idx |
|  | production\_date | date | 生产日期 |
|  | verify\_date | date | 上次钢检日期 |
|  | next\_verify\_date | date | 下次钢检日期 |
|  | scrap\_date | date | 报废日期 |
|  | life\_status | int | 0 未启用  1 启用  2 停用  3 作废 |
|  | load\_status |  | 0 空瓶  1 重瓶 |
|  | service\_status |  | 商业业务状态   1. 待使用 2. 气站库存 3. 门店库存 4. 在途运输 5. 在途派送 6. 客户使用 7. 空瓶回收 |
|  | full\_weight |  | 满瓶重量 |
|  | empty\_weight |  | 空瓶重量 |
|  | gas\_price |  | 该瓶气交易时气价(气价) |
|  | longitude |  | 经度 |
|  | latitude |  | 纬度 |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

## 钢瓶厂家信息 t\_gas\_cyn\_factory

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | code |  | 厂家编码 |
|  | name |  | 厂家名称 |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

## ~~钢瓶-常见关联信息 gas\_c~~

|  |  |  |  |
| --- | --- | --- | --- |
| ~~序号~~ | ~~字段~~ | ~~类型~~ | ~~说明~~ |
|  | ~~id~~ | ~~int AUTO\_INCREMENT~~ |  |
|  | ~~code~~ |  | ~~厂家编码~~ |
|  | ~~name~~ |  |  |
|  | ~~note~~ |  |  |
|  | ~~create\_time~~ |  |  |
|  | ~~updata\_time~~ |  |  |

## t\_gas\_cyr\_svc\_status\_op\_his 钢瓶业务状态变更历史

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | gas\_cyr\_idx |  | 钢瓶Idx |
|  | gas\_cyr\_svc\_status |  | 钢瓶业务状态 |
|  | src\_user\_idx |  | 原责任人 |
|  | target\_user\_idx |  | 目标责任人 |
|  | longitude |  |  |
|  | latitude |  |  |
|  | op\_time |  | 操作时间 |
|  | note |  | 操作说明 |

## t\_gas\_cyn\_warn钢瓶告警

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | gas\_cyr\_idx |  | 钢瓶Idx |
|  | src\_user\_idx |  | 原责任人 |
|  | take\_over\_idx |  | 交接记录（t\_gas\_cyr\_svc\_status\_op\_his表ID） |
|  | status |  | 告警状态 |
|  | note |  | 操作说明 |

## 钢瓶出入库信息 t\_gas\_cylinder\_in\_out

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | gas\_cyr\_idx |  | 钢瓶Idx |
|  | stock\_type | int | 入库/出库 |
|  | amount | int | 数量 |
|  | src\_user\_idx |  | 原责任人 |
|  | target\_user\_idx |  | 目标责任人 |
|  | op\_time |  | 操作时间 |

## t\_location\_device定位终端

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | number | varchar | 终端编号 |
|  | status | int | 0 未启用  1 启用  2 停用  3 作废 |
|  | longitude |  | 实时位置信息 |
|  | latitude |  |  |
|  | [electric\_quantity](http://dict.youdao.com/w/electric%20quantity/#keyfrom=E2Ctranslation) |  | 电量 |
|  | create\_time |  |  |
|  | updata\_time |  |  |

## t\_cylinder\_[auxiliary](http://dict.youdao.com/w/auxiliary/#keyfrom=E2Ctranslation) 钢瓶附属设备关联关系

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | cylinder\_idx | int | 钢瓶设备idx |
|  | location\_dev\_idx | int | 定位终端idx |
|  | create\_time |  |  |
|  | updata\_time |  |  |

## t\_cylinder\_user 钢瓶用户关联关系

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | cylinder\_idx | int | 钢瓶设备idx |
|  | user\_idx | int | 当前责任人idx |
|  | create\_time |  |  |
|  | updata\_time |  |  |

## t\_cylinder\_position 钢瓶位置

数据来源： 定位终端、派送工、司机，根据不同的业务段写入不同来源的数据

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | cylinder\_idx | int | 钢瓶设备idx |
|  | longitude |  | 经度 |
|  | latitude |  | 纬度 |
|  | create\_time |  |  |
|  | updata\_time |  |  |

## t\_cylinder\_track钢瓶轨迹

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | cylinder\_idx | int | 钢瓶设备idx |
|  |  |  |  |
|  | track | Varchar(4000) | 轨迹信息（经纬度，时间） |
|  | start\_time |  | 轨迹起始时间 |
|  | end\_time |  | 轨迹结束时间 |
|  | create\_time |  |  |
|  | updata\_time |  |  |

# 托盘管理

## t\_tray\_device不间断供气托盘设备

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | number | varchar | 设备编号 |
|  | status | int | 0 未启用  1 启用  2 停用  3 作废 |
|  | warn\_status | int | 缺气告警  0正常  1 告警 |
|  | leak\_status | int | 0 正常  1 漏气 |
|  | calibration |  | 标称值 |
|  | valid\_weight | float | 有效重量 |
|  | time\_stamp | string | 数据接收时间 |
|  | lack\_handle\_tm |  | 缺气消警处理时间 |
|  | longitude | double |  |
|  | latitude | double |  |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

tray\_warn\_handle\_his告警处理历史

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | tray\_idx |  | 托盘idx |
|  | handle\_user\_idx |  | 处理人idx |
|  | warn\_type |  | 告警类型  0 缺气告警  1 漏气告警 |
|  | handle\_time |  | 处理时间 |
|  | note |  | 处理描述 |
|  | create\_time |  |  |
|  | updata\_time |  |  |

## t\_user\_gas\_cyn\_tray 托盘设备-客户关联绑定

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | user\_idx | int | 客户idx |
|  | gas\_tray\_idx | int | 托盘设备Idx |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

## ~~t\_uninterrupt\_gas\_order 不间断供气订单~~

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | order\_sn | string | 订单编号 |
|  | dispatch\_order\_idx | int | 派送订单编号 |
|  | dispatcher\_idx |  | 派送工IDx |
|  | user\_idx | int | 客户idx |
|  | gas\_cyn\_idx | int | 钢瓶Idx |
|  | full\_weight | float | 满瓶气量 |
|  | empty\_weight | float | 空瓶气量 |
|  | goods\_idx | int | 商品idx |
|  | original\_price | float | 原始单价价格 |
|  | deal\_price | float | 成交单价 |
|  | original\_amount | float | 原始总价 |
|  | deal\_amount | float | 成交总价 |
|  | pay\_type |  | 支付方式   1. 在线支付 2. 货到付款 3. 赊销方式 4. 月结方式 |
|  | pay\_status |  | 支付状态   1. 待支付 2. 已支付 3. 退款中 4. 已退款 |
|  | pay\_time | 时间 |  |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

# 充装管理

t\_gas\_filling正在充装的设备信息

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | station\_number |  | 站号 |
|  | machine\_number |  | 秤号 |
|  | client\_code |  | 客户代码 |
|  | user\_code |  | 用户编号 |
|  | filling\_start\_time |  | 开始灌装时间 |
|  | use\_time |  | 用时 |
|  | filling\_type |  | 灌装方式 |
|  | target\_weight |  | 目标量 |
|  | tare\_weight |  | 钢瓶瓶重（皮重） |
|  | real\_weight |  | 灌装量 |
|  | deviation |  | 误差 |
|  | result |  | 灌装结果 |
|  | sequence |  | 编号（唯一） |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

t\_gas\_filling\_raw\_his 原始充装信息

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | station\_number |  | 站号 |
|  | machine\_number |  | 秤号 |
|  | client\_code |  | 客户代码 |
|  | user\_code |  | 用户编号 |
|  | filling\_start\_time |  | 开始灌装时间 |
|  | use\_time |  | 用时 |
|  | filling\_type |  | 灌装方式 |
|  | target\_weight |  | 目标量 |
|  | tare\_weight |  | 钢瓶瓶重（皮重） |
|  | real\_weight |  | 灌装量 |
|  | deviation |  | 误差 |
|  | result |  | 灌装结果 |
|  | sequence |  | 编号（唯一） |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

t\_gas\_filling\_merge 融合后的充装信息

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | station\_number |  | 站号 |
|  | machine\_number |  | 秤号 |
|  | cyn\_idx |  | 瓶号idx |
|  | client\_code |  | 客户代码 |
|  | user\_idx |  | 系统用户IDx |
|  | filling\_start\_time |  | 开始灌装时间 |
|  | use\_time |  | 用时 |
|  | filling\_type |  | 灌装方式 |
|  | target\_weight |  | 目标量 |
|  | tare\_weight |  | 钢瓶瓶重（皮重） |
|  | real\_weight |  | 实际灌装量 |
|  | deviation |  | 误差 |
|  | result |  | 灌装结果 |
|  | sequence |  | 编号（唯一） |
|  | warning\_status |  | 告警状态（皮重告警） |
|  | tare\_differ\_weight |  | 皮重差值 |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

# 价格类

## t\_adjust\_price\_schedule调价计划表

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | name | string | 调价计划名称 |
|  | effect\_time | 日期 | 生效时间 |
|  | status | int | 状态  0 待生效  1 已执行  2 废除 |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

## t\_adjust\_price\_detail 调价明细

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | schedule\_idx | Int | 调价计划主表idx |
|  | goods\_idx | Int | 商品idx |
|  | price | double | 价格 |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

**t\_discount\_condition\_type 优惠类型**

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | code | String |  |
|  | name | string | 条件优惠：  用户等级优惠（指定商品）  用户类别优惠（指定商品）  满减（满x减y元，指定商品）  首次购买优惠（无购物记录，减x，不限商品）  积分抵扣（x积分抵扣y元）  指定商品优惠（不限门店）  指定门店优惠（门店code）  送礼品（买x送y） |
|  | note |  |  |
|  | create\_time |  |  |
|  | update\_time |  |  |

## t\_discount\_strategy优惠策略表

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | name | string | 优惠名称 |
|  | start\_time | 日期 | 开始时间 |
|  | end\_time | 日期 | 结束时间 |
|  | discount\_type | int | 直减、比例折扣 |
|  | discount\_condition\_type\_idx | int | 规则类条件idx  用户等级 |
|  | conditon\_value | string | 条件取值 |
|  | use\_type | int | 优惠使用方式  0 排他  1可叠加 |
|  | status | int | 状态  0 待生效  1 已执行  2 废除 |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

## t\_discount\_detail优惠策略明细表

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | discount\_strategy\_idx | Int | 优惠策略主表idx |
|  | goods\_idx | Int | 商品idx |
|  | discount | double | 直减价格或折扣比例 |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

# 报表

## t\_gas\_cyr\_charge\_spec 钢瓶费用标准

|  |  |  |  |
| --- | --- | --- | --- |
|  | id | int AUTO\_INCREMENT |  |
|  | gas\_cyr\_spec\_idx |  | 规格 |
|  | charge\_type |  | 0 钢检费  1 瓶押费 |
|  | price |  |  |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

## t\_gas\_cyr\_dyn\_detail 钢瓶动态

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | oper\_idx |  | 操作员idx |
|  | gas\_cyr\_spec\_idx |  | 规格 |
|  | oper\_type |  | 类型  0 领用  1 送检  2 收取钢检瓶  3退维修瓶  4退报废瓶  5 押瓶数量  6 退押金瓶 |
|  | amount |  | 数量 |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |