|  |  |  |
| --- | --- | --- |
|  | 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 |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

## 用户组t\_group

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

## 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 |  |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

# 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(40) | 客户编号 |
|  | 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 |
|  | phone | varchar(11) | 客户电话 |
|  | 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\_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 |  |  |

## 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 |  |  |

## ~~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 |

## 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 |  |  |

# 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 |
|  | 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 |  |  |

# 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 |
|  | sum |  | 金额总计 |
|  | pay\_type |  | 支付方式   1. 在线支付 2. 货到付款 |
|  | 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 |
|  | 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 |
|  | 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 |
|  | 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 |
|  | subtotal |  | 金额小计 |
|  | create\_time |  |  |
|  | updata\_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 |  |  |

# 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 |
|  | 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 |
|  | 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 |
|  | longitude |  | 经度 |
|  | latitude |  | 纬度 |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

## 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 quantity/" \l "keyfrom=E2Ctranslation) |  | 电量 |
|  | create\_time |  |  |
|  | updata\_time |  |  |

## t\_cylinder\_[auxiliary](http://dict.youdao.com/w/auxiliary/" \l "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\_gas\_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 |
|  | gas\_status |  | 气量状态   1. 正常 2. 气量不足 |
|  | leak\_status |  | 气体正常/泄露状态   1. 正常 2. 气体泄露告警 |
|  | ~~[electric\_quantity](http://dict.youdao.com/w/electric quantity/" \l "keyfrom=E2Ctranslation)~~ |  | ~~电量~~ |
|  | create\_time |  |  |
|  | updata\_time |  |  |

t\_customer\_gas\_tray 托盘设备-客户关联绑定

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | customer\_idx | int | 客户idx |
|  | gas\_tray\_idx | int | 托盘设备Idx |

# 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\_strategy优惠策略表

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 字段 | 类型 | 说明 |
|  | id | int AUTO\_INCREMENT |  |
|  | name | string | 优惠策略名称 |
|  | 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\_conditon\_type | int | 条件优惠：  用户等级优惠  用户类别优惠  满减  首次购买优惠  积分抵扣 |
|  | conditon\_idx |  |  |
|  | note |  |  |
|  | create\_time |  |  |
|  | updata\_time |  |  |

## ~~t\_discount\_condition优惠条件~~

|  |  |  |  |
| --- | --- | --- | --- |
| ~~序号~~ | ~~字段~~ | ~~类型~~ | ~~说明~~ |
|  | ~~id~~ | ~~int AUTO\_INCREMENT~~ |  |
|  | ~~discount\_strategy\_idx~~ | ~~Int~~ | ~~优惠策略主表idx~~ |
|  | ~~discount\_conditon\_type~~ | ~~Int~~ | ~~客户等级 数据表idx~~ |
|  | ~~customer\_type\_idx~~ | ~~Int~~ | ~~客户类型idx~~ |

## 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 |  |  |