**Data Base设计文档**

**V1.0**

目录

[1. 系统概述 2](#_Toc5283558)

[2. 表结构 3](#_Toc5283559)

[3. 存储过程和触发器 17](#_Toc5283560)

# 系统概述

本系统数据库服务使用MySQL5.6，以下章节主要从系统DB的表结构，存储过程，触发器三方面进行VoIP系统Data Base的描述。

注意：本文档列出所有之前旧系统数据库结构，在本次VoIP Media Service中只使用了部分表结构，全部列出为了方面贵司后续开发新功能，提供相关参考，如不使用也无需理会。

# 表结构

#### availabletable

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| id | INT | NO | PRI |  | 可分配的号码 |
| ccode | VARCHAR(10) | YES | MUL | NULL | 国码，分为86和非86 |

#### base\_config

保存服务器的基本配置信息。

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| id | INT | NO | PRI | NULL | auto\_increment |
| domain | VARCHAR(20) | YES | MUL | NULL | 分为“cn”和“tw” |
| category | VARCHAR(20) | YES |  | NULL | "1"：MEC相关配置  "2"：Push API相关配置  "3"：Mobile API相关配置  "4"：CS相关配置 |
| section | VARCHAR(20) | YES |  | NULL | 目前大部分为NULL |
| key | VARCHAR(50) | YES |  | NULL | 配置项的key值 |
| value | VARCHAR(256) | YES |  | NULL | 配置项的value值 |
| remark | VARCHAR(500) | YES |  | NULL | 备注 |

#### box\_config

#### box\_id\_table

#### cdr

CDR表。

#### country\_code

国码表

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| pattern | VARCHAR(40) | NO | PRI |  | 国码 |
| comment | VARCHAR(255) | YES |  |  | 备注（国家名称描述） |

#### client\_audio\_config

保存各种手机设备和对应的版本信息

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| os | VARCHAR (20) | YES | PRI |  | (操作系统): android |
| mf | VARCHAR (100) | YES |  |  | (设备生产厂商):ZTE |
| md | VARCHAR (100) | YES |  |  | (设备型号):mz604 |
| os | VARCHAR (100) | YES |  |  | (操作系统版本号):2.2.2 |
| sv | VARCHAR (100) | YES |  |  | (操作系统SDK版本号):7 |
| kv | VARCHAR (100) | YES |  |  | (内核版本) （如：2.6.32.9-prefer androidcalhost#1） |
| bv | VARCHAR(100) | YES |  |  | (基带版本) (如：129005) |
| mod | INT | YES |  |  |  |

#### cs\_challenge\_table

保持设备的挑战信息

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| challenge | VARCHAR(20) | NO |  |  | 挑战字符串 |
| uid | VARCHAR(20) | NO | PRI |  | 唯一标识号码 |
| ch\_time | INT | YES |  | NULL | 挑战时间 |

#### cs\_session\_table

保存会话信息

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| id | VARCHAR(40) | NO | PRI |  | 唯一标识号码 |
| ip\_address | VARCHAR(20) | NO |  |  | 目前都为NULL |
| cookie | VARCHAR(100) | NO | MUL |  | session值 |
| challenge | VARCHAR(20) | YES |  | NULL | 目前有值，但是实际上应该没用 |
| expire | INT UNSIGNED | YES |  | NULL | session过期时间，实际上应该没用到 |
| status | VARCHAR(10) | YES |  | NULL | 目前全部为OLN |
| login\_time | INT UNSIGNED | YES |  | NULL | login时间 |
| cookie\_time | INT UNSIGNED | YES |  | NULL | 产生cookie的时间 |
| truemobile | VARCHAR(20) | YES |  | NULL | 等于userprofiletable相同字段 |
| mid | VARCHAR(256) | YES |  | NULL | Ios设备的编码，android默认唯一标识 |
| appname | VARCHAR(30) | NO |  | NULL | 应用程序名称，目前默认Ipphone |
| push\_service\_type | INT | YES |  | NULL | 1 ios,4 andrioid |
| session | VARCHAR(50) | YES |  | NULL | 目前都为NULL |
| lastgettime | INT | YES |  | NULL | 目前都为NULL |
| last\_update | INT | YES |  | NULL | 每次更新记录当前时间 |

#### cs\_session\_table\_his

记录当前一号多设备登录互踢功能

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| id | VARCHAR(40) | NO | PRI |  | 唯一标识号码 |
| ip\_address | VARCHAR(20) | NO |  |  | 目前都为NULL |
| cookie | VARCHAR(100) | NO | PRI |  | session值 |
| challenge | VARCHAR(20) | YES |  | NULL | 目前有值，但是实际上应该没用 |
| expire | INT UNSIGNED | YES |  | NULL | session过期时间，实际上应该没用到 |
| status | VARCHAR(10) | YES |  | NULL | 目前全部为OLN |
| login\_time | INT UNSIGNED | YES |  | NULL | login时间 |
| cookie\_time | INT UNSIGNED | YES |  | NULL | 产生cookie的时间 |
| truemobile | VARCHAR(20) | YES |  | NULL | 等于userprofiletable相同字段 |
| mid | VARCHAR(256) | YES |  | NULL | Ios设备的编码，android默认唯一标识 |
| appname | VARCHAR(30) | NO |  | NULL | 应用程序名称，目前默认Ipphone |
| push\_service\_type | INT | YES |  | NULL | 1 ios,4 andrioid |
| session | VARCHAR(50) | YES |  | NULL | 目前都为NULL |
| lastgettime | INT | YES |  | NULL | 目前都为NULL |
| last\_update | INT | YES |  | NULL | Css的最后更新时间 |

#### dfs\_id\_mapping

记录dfs文件和位置对应关系，做删除使用

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| dfsid | VARCHAR(255) | NO |  |  | DFS文件系统返回一个文件Id |
| group | VARCHAR(10) | NO |  |  | 文件组 |
| fileid | VARCHAR(50) | YES | PRI | NULL | 自定义一个文件唯一编号 |
| sendtime | INT |  | MUL |  | 写入时间 |

#### fps\_challenge\_table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| 唯一标识 | VARCHAR(30) | NO | PRI | NULL | 唯一标识号码 |
| challenge | VARCHAR(50) | YES |  | NULL | 挑战字符串 |
| expire | DATETIME | YES |  | NULL | 过期时间 |

#### fps\_info\_table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| 唯一标识 | VARCHAR(30) | NO | PRI | NULL | 唯一标识号码 |
| mobile | VARCHAR(30) | NO | PRI | NULL | 手机号码 |
| mid | VARCHAR(256) | YES | MUL | NULL | 设备的MID |
| appname | VARCHAR(30) | NO | PRI | NULL | 应用程序名称（目前ipphone） |
| push\_service\_type | INT | YES |  | NULL | 1 ios,4 andrioid |
| session | VARCHAR(50) | YES | UNI | NULL | session值 |
| lastgettime | INT | YES |  | NULL | 最后访问get\_mms的时间 |

#### iaxfriends

同旧唯一标识系统相同。

#### mms\_group\_attendee\_info

唯一标识mobile群成员管理

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| group\_id | BIGINT | NO | PRI | NULL | 群Id |
| truemobile | VARCHAR(20) | NO | PRI | NULL | 群成员 |

#### mms\_group\_info

唯一标识mobile群管理

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| group\_id | BIGINT | NO | PRI | NULL | 群号码 |
| OWNER | VARCHAR(20) | YES | MUL | NULL | 群创建者(mobile) |
| max\_attendee | SMALLINT | YES |  | 0 | 最大用户数 |
| create\_date | INT | YES |  | NULL | 创建时间 |
| server\_ip | VARCHAR(20) | YES |  | NULL | 群所在服务器 |
| last\_visit\_time | INT | YES |  | NULL | 最后访问时间 |
| is\_valid | SMALLINT | YES |  | 1 | 1有效，0无效 |
| Groupname | VARCHAR(50) | YES |  | NULL | 群名称 |

#### mobile\_contact\_sync\_info

触发器触发用于同步到联系人Db 的数据

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| sql\_id | INT | NO | PRI | AUTO\_INCREMENT | 自增的唯一Id |
| sql\_text | VARCHAR(1000) | YES | PRI | NULL | 同步的SQL语句 |
| insert\_date | INT | YES |  | NULL | 产生的时间 |
| is\_sync | SMALLINT | NO |  | 0 | 同步标识(0为同步，1已经同步) |

#### mobile\_contacts\_avatar

tv项目保持基本图像信息

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| name | INT | NO | PRI | NULL | 唯一标识号码 |
| contacts\_avatar | BLOB | YES | MUL | NULL | 联系人图像 |
| avatar\_size | INT | YES | MUL | NULL | 图像大小 |
| avatar\_name | VARCHAR (50) | YES |  |  | 图像描述 |
| avatar\_type | VARCHAR (50) | YES |  |  | 图像类型 |
| avatar\_update\_date | TIMESTAMP | NO |  | CURRENT\_TIMESTAMP | 图像更新时间 |

#### mobile\_debug\_info

用户碰到问题时，上传的Debug信息。

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| id | INT | NO | PRI | NULL | auto\_increment |
| name | VARCHAR(8) | YES | MUL | NULL | 唯一标识号码 |
| truemobile | VARCHAR(20) | YES | MUL | NULL | 手机号码 |
| debug\_text | TEXT | YES |  |  | Debug信息，为AES加密后的字符串 |
| desc\_text | TEXT | YES |  |  | 描述信息 |
| insert\_date | TIMESTAMP | YES |  | CURRENT\_TIMESTAMP | 插入时间 |

注：需要增加一个字段：debug\_text\_decrypted，保存AES解密后的Debug信息。

#### mobile\_push\_info

保存“已经成为唯一标识用户”信息，用于联系人匹配时，跨域推送IFM通知。这个表位于“remote-domain”。

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| name | INT | NO | PRI | NULL | 唯一标识号码 |
| truemobile | VARCHAR(20) | YES |  | NULL | 手机号码 |
| device\_os | VARCHAR(20) | YES |  | NULL | 设备操作系统 |
| 唯一标识\_mobile\_version | VARCHAR(20) | YES |  | NULL | 唯一标识 Mobile版本号 |
| insert\_date | INT | YES |  | 0 | 插入日期 |
| is\_push | SMALLINT | YES |  | 0 | 是否已经推送过了 |
| push\_date | INT | YES |  | 0 | 推送的时间 |

#### mobile\_sync\_info

将uninstall了的用户信息放到这里。

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| sql\_id | VARCHAR(256) | YES |  | NULL | MID（应该为主键） |
| sql\_text | DATETIME | YES |  | NULL | 检测时间 |
| insert\_tim | DATETIME | YES |  | NULL | 插入时间（默认值是当前时间） |

#### mobile\_uninstall\_history

触发器触发用于同步注册信息的数据

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| sql\_id | INT | NO | PRI | AUTO\_INCREMENT | 自增的唯一Id |
| sql\_text | VARCHAR(1000) | YES | PRI | NULL | 同步的SQL语句 |
| insert\_date | INT | YES |  | NULL | 产生的时间 |
| is\_sync | SMALLINT | NO |  | 0 | 同步标识(0为同步，1已经同步) |

#### pincode\_history

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| id | INT | NO | PRI | NULL | auto\_increment |
| name | VARCHAR(30) | YES | MUL | NULL | 手机号码 |
| pin\_code | VARCHAR(10) | YES |  | NULL | pincode |
| pin\_made\_time | DATETIME | YES |  | NULL | pincode产生时间 |
| pin\_try\_accmulation | INT | YES |  | 0 | 重试次数 |
| is\_effective | INT | YES |  | 0 | 是否有效 |
| service\_type | CHAR(1) | YES |  | NULL | 业务类型 |

#### server\_config

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| domain | VARCHAR(20) | NO | PRI |  | 分为“cn”和“tw” |
| category | VARCHAR(20) | NO | PRI |  | "1"：MEC服务器  "2"：RS服务器  "3"：FPS服务器  "4"：Push API服务器  "5"：Mobile API服务器  "6"：waiter |
| ip | VARCHAR(20) | NO | PRI |  | 外网IP地址 |
| port | VARCHAR(20) | NO | PRI |  | 外网端口 |
| protocal | VARCHAR(20) | YES |  | NULL | 协议（拼写错误！！！） |
| local\_ip | VARCHAR(20) | NO |  |  | 内网IP地址 |
| local\_port | VARCHAR(20) | YES |  |  | 内网端口 |
| is\_enable | SMALLINT | YES |  | 1 | 当前是否启用 |
| curr\_loading | INT | YES |  | 1 | 当前Loading值 |
| max\_loading | INT | YES |  | 0 | 最大Loading值 |
| lasttime | INT | YES |  | 0 | 最后一次修改时间 |
| group | VARCHAR(20) | YES |  |  | 组 |

#### stiker\_pkg\_info

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| name | VARCHAR(100) | NO | PRI |  | 包的文件名称，该名称必须唯一 |
| pkg\_label | VARCHAR(50) | YES |  |  | 贴画包的显示名称 |
| snapshort | VARCHAR(100) | YES |  |  | 快照的文件名称 |
| btn\_background | VARCHAR(100) | YES |  |  | 基本按钮背景图的文件名称 |
| android\_icon | VARCHAR(100) | YES |  |  | android按钮背景图的文件名称 |
| android\_snapshort | VARCHAR(100) | YES |  |  | android快照的文件名称 |
| create\_time | TIMESTAMP | NO |  |  | 包创建的时间 |
| pkg\_version | VARCHAR(10) | YES |  |  | 包的版本号 |

#### updatedescr

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| update\_version | VARCHAR(20) | NO | MUL |  | 版本号 |
| os\_language | int(10) | YES | MUL | NULL | 语言代码 |
| description | VARCHAR(255) | YES |  | NULL | 描述（长度为255太小） |

#### updateinfo

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| OS\_LANGUAGE | int(10) unsigned | YES |  | NULL | 操作系统语言 |
| OS\_TYPE | VARCHAR(20) | YES | MUL | NULL | 类型 |
| os\_version | VARCHAR(50) | YES |  | NULL | 版本 |
| HARDWARE | VARCHAR(10) | YES |  | NULL | 硬件架构 |
| CLIENT\_NAME | VARCHAR(10) | YES |  | NULL | 客户端名称 |
| DOWNLOAD\_URL | VARCHAR(100) | YES |  | NULL | 下载地址 |
| UPDATE\_VERSION | VARCHAR(10) | NO |  |  | 版本号 |
| UPDATE\_DESCRIPTION | text | YES |  | NULL | 描述（应该没用了吧？） |
| UPLOAD\_DATE | int(10) unsigned | YES |  | NULL | 上传时间 |
| MINIMAL\_VERSION | VARCHAR(10) | YES |  | NULL | 最小版本号 |
| UPDATE\_HOMEPAGE | VARCHAR(45) | YES |  | NULL | 升级的描述网页 |
| FILE\_NAME | VARCHAR(100) | YES |  | NULL | 文件名 |
| FILE\_SIZE | int(10) unsigned | YES |  | NULL | 文件大小 |
| defaultdownload | int(10) unsigned | YES |  | NULL |  |
| MANUFACTURER | VARCHAR(30) | YES |  | NULL | 制造商 |
| MOBILE\_TYPE | VARCHAR(30) | YES |  | NULL |  |

#### user\_register\_history

用户注册历史信息

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| id | INT | NO | PRI | NULL | auto\_increment |
| 唯一标识\_id | VARCHAR(30) | NO |  | NULL | 唯一标识号码 |
| true\_mobile | VARCHAR(30) | NO |  | NULL | 手机号码 |
| register\_time | datetime | NO |  | NULL | 注册时间 |
| service\_type | VARCHAR(2) | NO |  | NULL | 业务类型(1 mobile,2concall) |

#### user\_register\_info

保存用户注册信息。

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| name | VARCHAR(20) | NO | PRI | NULL | 唯一标识号码 |
| rs\_ip | VARCHAR(20) | YES |  | NULL | RS地址 |
| fps\_ip | VARCHAR(20) | YES |  | NULL | FPS地址 |
| mec\_ip | VARCHAR(20) | YES |  | NULL | MEC地址 |
| mobile\_api\_ip | VARCHAR(20) | YES |  | NULL | Mobile API地址 |
| push\_api\_ip | VARCHAR(20) | YES |  | NULL | Push API地址 |
| rs\_port | VARCHAR(6) | YES |  | NULL | RS端口 |
| fps\_port | VARCHAR(6) | YES |  | NULL | FPS端口 |
| mec\_port | VARCHAR(6) | YES |  | NULL | MEC端口 |
| mobile\_api\_port | VARCHAR(6) | YES |  | NULL | Mobile API端口 |
| push\_api\_port | VARCHAR(6) | YES |  | NULL | Push API端口 |
| last\_reg\_time | VARCHAR(20) | YES |  | NULL | 最后取Profile的时间 |

#### UserProfileTable

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| name | VARCHAR(20) | NO | PRI |  | 唯一标识号码 |
| Language | INT | YES |  | NULL | 语言 |
| status | VARCHAR(6) | NO |  | OFN | 用户状态。目前由于没有Presence功能，因此此列暂时不用 |
| reg\_date | datetime | NO | MUL | 2006-01-01  00:00:00 | 用户首次注册日期。如果用户重复注册（如卸载再安装），则时间会记录在register\_time列中 |
| truemail | VARCHAR(255) | NO | MUL |  | 用户的Email地址。在手机中，通过“设置”-->“Email地址”功能设定的Email，保存到这个地方。 |
| truemobile | VARCHAR(30) | YES | UNI | NULL | 用户手机号码，E.164格式。 |
| true\_mobile\_country\_code | VARCHAR(10) | YES |  | NULL | 用户手机号码的国码 |
| device\_os | VARCHAR(20) | YES |  | NULL | 手机设备的操作系统，如Android、iOS等 |
| device\_os\_version | VARCHAR(30) | YES |  | NULL | 手机设备的操作系统版本 |
| device\_support\_tele | INT | YES |  | NULL | 用户设备是否支持Telecom功能。如iPad就不支持。 |
| device\_manufactory | VARCHAR(40) | YES |  | NULL | 手机制造商 |
| device\_model | VARCHAR(30) | YES |  | NULL | 手机型号 |
| 唯一标识\_mobile\_version | VARCHAR(20) | YES |  | NULL | 唯一标识 Mobile的版本号。这个版本号是注册时的版本号，如果用户升级了客户端，此版本号不会变。 |
| 唯一标识\_concall\_version | VARCHAR(20) | YES |  | NULL | 唯一标识 Concall的版本号。在唯一标识中，用户使用所有的唯一标识产品，其唯一标识号码是一样的。 |
| gmail | VARCHAR(30) | YES |  | NULL | 用户的Gmail地址，用于Android手机，并且能够读出Gmail地址的情况。 |
| register\_time | TIMESTAMP | NO |  | CURRENT\_ TIMESTAMP | on update CURRENT\_TIMESTAMP  用户最近注册的时间。可参见reg\_date列 |
| service\_type | VARCHAR(1) | YES |  | 0 | 服务类型。 |
| pro | INT | YES |  | NULL | 是否是专业版用户。1为专业版，0为普通版 |
| verified | INT |  |  | 1 | 免验证，区分注册模式  1短信验证  2语言验证  3  4免验证 |
| prohibit | TINYINT |  |  | 0 | 免验证 |
| avatar\_version\_number | INT |  |  | NULL | Tv项目用于检查图像版本号 |

# 存储过程和触发器

#### ipphone用户验证过程

|  |  |
| --- | --- |
| **项目** | **说明** |
| 名称 | p\_iphone\_user\_validate |
| 功能 | 在iphone客户端注册流程中用于验证该手机号码合法性，以及该手机号码当天注册次数限制，以其频繁验证时间间隔限制 |
| 参数 | in\_iphone\_mobile 输入手机号码,e164格式带+号  in\_ccode 国家码，不带+号  in\_day\_cnt 输入该手机号码每天注册次数限制  in\_timeout 该手机号码本次返回pincode时间距离上次返回时间差(用户控制在此时间段内返回的pincode相同)  out ret\_pincode 返回验证pincode  out ret\_flag 返回执行结果  -1 程序异常  -2 pincode当天注册次数超出  -3 输入手机号码错误  -4 输入国码错误  1 该手机号码验证通过 |
| 详细设计 | DECLARE var\_cnt,var\_day\_cnt,var\_is\_blacklist INT DEFAULT 0;  DECLARE var\_ccode,var\_pincode VARCHAR(10);  DECLARE var\_iphone\_mobile VARCHAR(30);  DECLARE var\_pin\_time DATETIME;  DECLARE EXIT HANDLER FOR SQLEXCEPTION  BEGIN  SET ret\_flag=-1;  ROLLBACK;  END;  START TRANSACTION;  SELECT COUNT(\*) INTO var\_is\_blacklist  FROM concall\_register\_blacklist  WHERE in\_iphone\_mobile LIKE CONCAT(true\_mobile,'%');  IF var\_is\_blacklist>0 THEN  SET ret\_flag=-1;  ELSE  SELECT pattern INTO var\_ccode  FROM country\_code  WHERE pattern=in\_ccode;  IF var\_ccode=in\_ccode THEN  IF SUBSTR(in\_iphone\_mobile,1,1)='+' THEN  SELECT COUNT(1)  INTO var\_day\_cnt  FROM pincode\_history  WHERE `name`=in\_iphone\_mobile  AND pin\_made\_time  BETWEEN DATE\_FORMAT(NOW(),'%Y-%m-%d 00:00:00') AND DATE\_FORMAT(NOW(),'%Y-%m-%d 23:59:59')  AND service\_type=in\_service\_type;  IF var\_day\_cnt>=IFNULL(in\_day\_cnt,3) THEN  SET ret\_flag=-2;  UPDATE pincode\_history  SET is\_effective=0  WHERE `name`=in\_iphone\_mobile  AND pin\_made\_time  BETWEEN DATE\_FORMAT(NOW(),'%Y-%m-%d 00:00:00') AND DATE\_FORMAT(NOW(),'%Y-%m-%d 23:59:59')  AND is\_effective=1  AND service\_type=in\_service\_type;  ELSE  SELECT pin\_code,pin\_made\_time  INTO var\_pincode,var\_pin\_time  FROM (SELECT \* FROM pincode\_history    WHERE `name`=in\_iphone\_mobile  AND pin\_made\_time  BETWEEN DATE\_FORMAT(NOW(),'%Y-%m-%d 00:00:00') AND DATE\_FORMAT(NOW(),'%Y-%m-%d 23:59:59')  AND service\_type=in\_service\_type  ORDER BY pin\_made\_time DESC) a  LIMIT 1;    IF FOUND\_ROWS()=1 AND  (UNIX\_TIMESTAMP(NOW())-UNIX\_TIMESTAMP(var\_pin\_time))>IFNULL(in\_timeout,60)\*60 THEN  SET var\_pincode=LPAD(ROUND(RAND()\*10000),4,0);  END IF;    UPDATE pincode\_history  SET is\_effective=0  WHERE `name`=in\_iphone\_mobile  AND pin\_made\_time  BETWEEN DATE\_FORMAT(NOW(),'%Y-%m-%d 00:00:00') AND DATE\_FORMAT(NOW(),'%Y-%m-%d 23:59:59')  AND is\_effective=1  AND service\_type=in\_service\_type;    IF FOUND\_ROWS()=0 THEN  SET var\_pincode=LPAD(ROUND(RAND()\*10000),4,0);  END IF;  INSERT INTO pincode\_history(  NAME,  pin\_code,  pin\_made\_time,  pin\_try\_accmulation,  is\_effective,  service\_type)  VALUES (in\_iphone\_mobile,  var\_pincode,  NOW(),  0,  1,  in\_service\_type);    SET ret\_pincode=var\_pincode;  SET ret\_flag=1;  END IF;  ELSE  SET ret\_flag=-3;  END IF;    ELSE  SET ret\_flag=-4;  END IF;  END IF;    COMMIT; |

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| 详细设计 | SELECT pin\_try\_accmulation,CASE WHEN pin\_code=in\_pincode THEN 1 ELSE 0 END,pin\_made\_time,id  INTO var\_pintry\_cnt,var\_pincode\_flag,var\_pin\_made\_time,var\_key  FROM pincode\_history  WHERE `name`=in\_iphone\_mobile  AND service\_type=in\_service\_type  AND DATE\_FORMAT(pin\_made\_time,'%Y-%m-%d') = DATE\_FORMAT(NOW(),'%Y-%m-%d')  ORDER BY pin\_made\_time DESC LIMIT 1;      IF var\_pintry\_cnt>=IFNULL(in\_try\_cnt,3) THEN  SET ret\_flag=-2;  UPDATE pincode\_history  SET is\_effective=0  WHERE id = var\_key;    ELSEIF UNIX\_TIMESTAMP(NOW())-UNIX\_TIMESTAMP(var\_pin\_made\_time)>60\*IFNULL(in\_timeout,0) THEN  SET ret\_flag=-5;  UPDATE pincode\_history  SET is\_effective=0  WHERE id = var\_key;    ELSEIF var\_pincode\_flag = 0 THEN  SET ret\_flag=-4;  UPDATE pincode\_history  SET pin\_try\_accmulation=pin\_try\_accmulation+1,  pin\_made\_time=NOW()  WHERE id = var\_key;  ELSE  SET ret\_flag=1;  UPDATE pincode\_history  SET pin\_try\_accmulation=pin\_try\_accmulation+1,  pin\_made\_time=NOW()  WHERE id = var\_key;    END IF; |

#### ipphone用户注册过程

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| **项目** | **说明** |
| 名称 | p\_iphone\_user\_register |
| 功能 | 在iphone客户端注册流程中验证用户身份信息合法后，进行用户注册，分别写UserProfileTable和Iaxfirends表信息 |
| 参数 | in\_ccode 国家码  in\_iphone\_mobile 手机号码(E164格式)  in\_password 密码  in\_device\_os 设备操作系统  in\_device\_os\_version 系统版本  in\_device\_support\_tele 是否支持电话  in\_device\_manufactory 生成厂商  in\_device\_model 设备型号  in\_唯一标识\_mobile\_version mobile版本  in\_唯一标识\_concall\_version concall版本  in\_gmail 用户gmail信息  in\_verified 免验证标识  out ret\_唯一标识id 返回唯一标识id  out ret\_passwd 返回密码  out ret\_flag  -1 程序异常  -2 号码池分配错误  -3 输入手机号码错误  -4 输入国码错误  1 该手机号码注册成功  2 该手机号码激活成功 |
| 详细设计 | SELECT COUNT(1) INTO var\_cnt  FROM country\_code  WHERE pattern=in\_ccode  LIMIT 1;  IF var\_cnt=1 THEN    IF SUBSTR(in\_iphone\_mobile,1,1)='+' THEN  SELECT COUNT(1) INTO var\_cnt  FROM UserProfileTable  WHERE truemobile=in\_iphone\_mobile;  IF var\_cnt=1 THEN  UPDATE UserProfileTable  SET true\_mobile\_country\_code=in\_ccode,  device\_os=in\_device\_os,  device\_os\_version=in\_device\_os\_version,  device\_support\_tele=in\_device\_support\_tele,  device\_manufactory=in\_device\_manufactory,  device\_model=in\_device\_model,  唯一标识\_mobile\_version=in\_唯一标识\_mobile\_version,  唯一标识\_concall\_version=in\_唯一标识\_concall\_version,  truemail=in\_gmail,  register\_time=NOW(),  service\_type=in\_service\_type,  verified = in\_verified  WHERE truemobile=in\_iphone\_mobile;    SELECT a.secret,a.name INTO ret\_passwd,ret\_唯一标识id  FROM iaxfriends a,  UserProfileTable b  WHERE a.name=b.name  AND b.truemobile=in\_iphone\_mobile;  SET ret\_flag=2;    INSERT INTO user\_register\_history  (唯一标识\_id,  true\_mobile,  register\_time,  service\_type)  VALUES  (ret\_唯一标识id,  in\_iphone\_mobile,  NOW(),  in\_service\_type);    ELSE    SELECT id INTO var\_get\_唯一标识  FROM availabletable  WHERE ccode=CASE WHEN in\_ccode NOT IN ('86','886') THEN '886' ELSE in\_ccode END  ORDER BY RAND()  LIMIT 1;  DELETE FROM availabletable  WHERE id=var\_get\_唯一标识;  IF ROW\_COUNT()=1 THEN  INSERT INTO iaxfriends(  NAME,  username,  secret,  context,  accountcode)  VALUES( var\_get\_唯一标识,  NULL,  in\_password,  'ppcall-intercom',  var\_get\_唯一标识);  INSERT INTO UserProfileTable(NAME,  reg\_date,  truemail,  truemobile,  true\_mobile\_country\_code,  device\_os,  device\_os\_version,  device\_support\_tele,  device\_manufactory,  device\_model,  唯一标识\_mobile\_version,  唯一标识\_concall\_version,  register\_time,  service\_type,  verified )  VALUES( var\_get\_唯一标识,  NOW(),  in\_gmail,  in\_iphone\_mobile,  in\_ccode,  in\_device\_os,  in\_device\_os\_version ,  in\_device\_support\_tele ,  in\_device\_manufactory ,  in\_device\_model,  in\_唯一标识\_mobile\_version ,  in\_唯一标识\_concall\_version ,  NOW(),  in\_service\_type,  in\_verified);    SET ret\_passwd=in\_password;  SET ret\_唯一标识id=var\_get\_唯一标识;  SET ret\_flag=1;    INSERT INTO user\_register\_history  (唯一标识\_id,  true\_mobile,  register\_time,  service\_type)  VALUES  (ret\_唯一标识id,  in\_iphone\_mobile,  NOW(),  in\_service\_type);  ELSE  SET ret\_flag=-2;  END IF;  END IF;  ELSE  SET ret\_flag=-3;  END IF;  ELSE  SET ret\_flag=-4;  END IF;  COMMIT; |

#### iaxfriends触发器调用过程

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| **项目** | **说明** |
| 名称 | p\_sync\_iaxfriends |
| 功能 | Iaxfriends表触发器用于调用改过程产生一个SQL语句，对跨域进行数据同步 |
| 参数 | in\_name VARCHAR(10), in\_secret VARCHAR(20), in\_context VARCHAR(20), in\_accountcode VARCHAR(20)  Iaxfriends表的所有字段 |
| 详细设计 | DECLARE v\_sqltext VARCHAR(1000);  DECLARE v\_ss,v\_sb,v\_sd VARCHAR(10);  SET v\_ss='(''';  SET v\_sb=''',''';  SET v\_sd=''')';  SET v\_sqltext=CONCAT('REPLACE INTO iaxfriends(name,secret,context,accountcode) VALUES ',v\_ss,IFNULL(in\_name,''),v\_sb,IFNULL(in\_secret,''),v\_sb,IFNULL(in\_context,''),v\_sb,IFNULL(in\_accountcode,''),v\_sd);  INSERT INTO mobile\_sync\_info SET sql\_text = v\_sqltext,insert\_date=UNIX\_TIMESTAMP(NOW()); |

#### cs\_session\_table触发器调用过程

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| **项目** | **说明** |
| 名称 | p\_sync\_sessiontable |
| 功能 | cs\_session\_table表触发器用于调用改过程产生一个SQL语句，对跨域进行数据同步 |
| 参数 | in\_id VARCHAR(40),  in\_cookie VARCHAR(100),  in\_challenge VARCHAR(20),  in\_expire int(11),  in\_status varchar(10),  in\_login\_time int(11),  in\_cookie\_time int(11),  in\_truemobile VARCHAR(20),  in\_mid VARCHAR(256),  in\_appname VARCHAR(30),  in\_push\_service\_type INT(11),  in\_session VARCHAR(50),  in\_lastgettime INT(11),  in\_lastupdate int(11) |
| 详细设计 | DECLARE v\_sqltext VARCHAR(1000);  DECLARE v\_ss,v\_sb,v\_sd VARCHAR(10);  declare old\_cookie varchar(100);  declare is\_exists,is\_equal tinyint default 0;  select count(1) into is\_equal from cs\_session\_table  where `id`=in\_id and `cookie`=in\_cookie AND `status`=in\_status  #and `expire`=in\_expire and `login\_time`=in\_login\_time and `cookie\_time`=in\_cookie\_time  and `truemobile`=in\_truemobile and `mid`=in\_mid  and `appname`=in\_appname and `push\_service\_type`=in\_push\_service\_type ;  #AND `challenge`=in\_challenge and `session`=in\_session;  #and `lastgettime`=in\_lastgettime and `last\_update`= in\_lastupdate;  IF is\_equal=0 THEN  SET v\_ss='(''';  SET v\_sb=''',''';  SET v\_sd=''')';  SET v\_sqltext=CONCAT('REPLACE INTO cs\_session\_table(id,cookie,challenge,expire,STATUS,login\_time,cookie\_time,truemobile,mid,appname,push\_service\_type,session,lastgettime,last\_update) VALUES ',v\_ss,IFNULL(in\_id,''),v\_sb,IFNULL(in\_cookie,''),v\_sb,IFNULL(in\_challenge,''),v\_sb,IFNULL(in\_expire,''),v\_sb,ifnull(in\_status,''),v\_sb,IFNULL(in\_login\_time,''),v\_sb,IFNULL(in\_cookie\_time,''),v\_sb,IFNULL(in\_truemobile,''),v\_sb,IFNULL(in\_mid,''),v\_sb,IFNULL(in\_appname,''),v\_sb,IFNULL(in\_push\_service\_type,''),v\_sb,IFNULL(in\_session,''),v\_sb,IFNULL(in\_lastgettime,''),v\_sb,IFNULL(in\_lastupdate,''),v\_sd);  INSERT INTO mobile\_sync\_info SET sql\_text = v\_sqltext,insert\_date=UNIX\_TIMESTAMP(NOW());  #写历史session表  select cookie,count(1) into old\_cookie,is\_exists  from cs\_session\_table WHERE id=in\_id group by cookie;    if (is\_exists > 0 and old\_cookie != in\_cookie) then  insert INTO cs\_session\_table\_his  select \* from cs\_session\_table where id=in\_id;    end if;  end if; |

#### userprofiletable触发器调用过程

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| **项目** | **说明** |
| 名称 | p\_sync\_userprofiletable |
| 功能 | userprofiletable表触发器用于调用改过程产生一个SQL语句，对跨域进行数据同步 |
| 参数 | in\_name VARCHAR(10),  in\_reg\_date VARCHAR(20),  in\_truemail VARCHAR(50),  in\_truemobile VARCHAR(20),  in\_true\_mobile\_country\_code VARCHAR(10),  in\_device\_os VARCHAR(20),  in\_device\_os\_version VARCHAR(20),  in\_device\_support\_tele VARCHAR(20),  in\_device\_manufactory VARCHAR(20),  in\_device\_model VARCHAR(20),  in\_唯一标识\_mobile\_version VARCHAR(20),  in\_唯一标识\_concall\_version VARCHAR(20),  in\_register\_time VARCHAR(20),  in\_service\_type VARCHAR(20),  in\_capability int,  in\_pro int,  in\_verified int,  in\_prohibit int,  in\_avatar\_ver int,  in\_trigger\_type varchar(10) |
| 详细设计 | DECLARE v\_sqltext,v\_sqltext1,v\_sqltext2,v\_sqltext3 VARCHAR(1000);  declare var\_unixtime varchar(20);  DECLARE v\_ss,v\_sb,v\_sd VARCHAR(10);  declare is\_equal tinyint default 0;  #对于联系人DB同步方案，只是新注册的用户才进行同步  #此次2012-9-3日进行优化添加in\_reg\_date=in\_register\_time过滤条件  #现在不对7号段的进行数据同步，有业务端进行跨越双写操作  SET v\_ss='(''';  SET v\_sb=''',''';  SET v\_sd=''')';  SET var\_unixtime='unix\_timestamp(now())';  IF in\_trigger\_type='INSERT' AND in\_reg\_date=in\_register\_time THEN  SET v\_sqltext3=CONCAT('REPLACE INTO mobile\_info(name,truemobile) VALUES ',v\_ss,in\_name,v\_sb,in\_truemobile,v\_sd);  INSERT INTO mobile\_contact\_sync\_info SET sql\_text = v\_sqltext3,insert\_date=UNIX\_TIMESTAMP(NOW());  END IF;  if in\_trigger\_type='UPDATE' and substring(in\_name,1,1)='7' then  SET v\_sqltext3=CONCAT('REPLACE INTO mobile\_info(name,truemobile) VALUES ',v\_ss,in\_name,v\_sb,in\_truemobile,v\_sd);  INSERT INTO mobile\_contact\_sync\_info SET sql\_text = v\_sqltext3,insert\_date=UNIX\_TIMESTAMP(NOW());  end if;  IF (SUBSTR(in\_name,1,1) IN ('3','5') AND MOD(SUBSTR(in\_name,2,1),2)=0) THEN  if in\_trigger\_type='INSERT' then  SELECT COUNT(1) INTO is\_equal FROM UserProfileTable  WHERE `name`=in\_name AND `reg\_date`=in\_reg\_date AND `truemail`=in\_truemail  AND `truemobile`=in\_truemobile AND `true\_mobile\_country\_code`=in\_true\_mobile\_country\_code  AND `device\_os`=in\_device\_os AND `device\_os\_version`=in\_device\_os\_version  AND `device\_support\_tele`=in\_device\_support\_tele AND `device\_manufactory`=in\_device\_manufactory  AND `device\_model`=in\_device\_model AND `唯一标识\_mobile\_version`=in\_唯一标识\_mobile\_version  AND `register\_time`=in\_register\_time AND `service\_type`=in\_service\_type AND `capability`=in\_capability AND `pro`=in\_pro  AND `verified`=in\_verified AND `prohibit`=in\_prohibit AND `avatar\_version\_number`=in\_avatar\_ver;  if is\_equal = 0 then  SET v\_sqltext=CONCAT('REPLACE INTO UserProfileTable(NAME,reg\_date,truemail,truemobile,true\_mobile\_country\_code,device\_os,device\_os\_version,device\_support\_tele,device\_manufactory,device\_model,唯一标识\_mobile\_version,唯一标识\_concall\_version,register\_time,service\_type,capability,pro,verified,prohibit,avatar\_version\_number) VALUES ',v\_ss,IFNULL(in\_name,''),v\_sb,IFNULL(in\_reg\_date,''),v\_sb,IFNULL(in\_truemail,''),v\_sb,IFNULL(in\_truemobile,''),v\_sb,IFNULL(in\_true\_mobile\_country\_code,''),v\_sb,IFNULL(in\_device\_os,''),v\_sb,IFNULL(in\_device\_os\_version,''),v\_sb,IFNULL(in\_device\_support\_tele,''),v\_sb,IFNULL(in\_device\_manufactory,''),v\_sb,IFNULL(in\_device\_model,''),v\_sb,IFNULL(in\_唯一标识\_mobile\_version,''),v\_sb,IFNULL(in\_唯一标识\_concall\_version,''),v\_sb,IFNULL(in\_register\_time,''),v\_sb,IFNULL(in\_service\_type,''),v\_sb,IFNULL(in\_capability,''),v\_sb,IFNULL(in\_pro,''),v\_sb,IFNULL(in\_verified,''),v\_sb,IFNULL(in\_prohibit,''),v\_sb,IFNULL(in\_avatar\_ver,''),v\_sd);  INSERT INTO mobile\_sync\_info SET sql\_text = v\_sqltext,insert\_date=UNIX\_TIMESTAMP(NOW());  end if;  else  SET v\_sqltext=CONCAT('REPLACE INTO UserProfileTable(NAME,reg\_date,truemail,truemobile,true\_mobile\_country\_code,device\_os,device\_os\_version,device\_support\_tele,device\_manufactory,device\_model,唯一标识\_mobile\_version,唯一标识\_concall\_version,register\_time,service\_type,capability,pro,verified,prohibit,avatar\_version\_number) VALUES ',v\_ss,IFNULL(in\_name,''),v\_sb,IFNULL(in\_reg\_date,''),v\_sb,IFNULL(in\_truemail,''),v\_sb,IFNULL(in\_truemobile,''),v\_sb,IFNULL(in\_true\_mobile\_country\_code,''),v\_sb,IFNULL(in\_device\_os,''),v\_sb,IFNULL(in\_device\_os\_version,''),v\_sb,IFNULL(in\_device\_support\_tele,''),v\_sb,IFNULL(in\_device\_manufactory,''),v\_sb,IFNULL(in\_device\_model,''),v\_sb,IFNULL(in\_唯一标识\_mobile\_version,''),v\_sb,IFNULL(in\_唯一标识\_concall\_version,''),v\_sb,IFNULL(in\_register\_time,''),v\_sb,IFNULL(in\_service\_type,''),v\_sb,IFNULL(in\_capability,''),v\_sb,IFNULL(in\_pro,''),v\_sb,IFNULL(in\_verified,''),v\_sb,IFNULL(in\_prohibit,''),v\_sb,IFNULL(in\_avatar\_ver,''),v\_sd);  INSERT INTO mobile\_sync\_info SET sql\_text = v\_sqltext,insert\_date=UNIX\_TIMESTAMP(NOW());  end if;  IF in\_trigger\_type='INSERT' and in\_reg\_date=in\_register\_time THEN  SET v\_sqltext1=CONCAT('REPLACE INTO mobile\_push\_info(name,truemobile,device\_os,唯一标识\_mobile\_version,insert\_date) VALUES ',v\_ss,IFNULL(in\_name,''),v\_sb,IFNULL(in\_truemobile,''),v\_sb,IFNULL(in\_device\_os,''),v\_sb,IFNULL(in\_唯一标识\_mobile\_version,''),''',',var\_unixtime,'))');  INSERT INTO mobile\_sync\_info SET sql\_text = v\_sqltext1,insert\_date=UNIX\_TIMESTAMP(NOW());  END IF;  end if; |

#### userregisterinfo触发器调用过程

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| **项目** | **说明** |
| 名称 | p\_sync\_userregisterinfo |
| 功能 | userregisterinfo表触发器用于调用改过程产生一个SQL语句，对跨域进行数据同步 |
| 参数 | in\_name VARCHAR(20),  in\_rs\_ip VARCHAR(20),  in\_fps\_ip VARCHAR(20),  in\_mec\_ip VARCHAR(20),  in\_mobile\_api\_ip VARCHAR(20),  in\_push\_api\_ip VARCHAR(20),  in\_rs\_port VARCHAR(6),  in\_fps\_port VARCHAR(6),  in\_mec\_port VARCHAR(6),  in\_mobile\_api\_port VARCHAR(6),  in\_push\_api\_port VARCHAR(6),  in\_last\_reg\_time VARCHAR(20) |
| 详细设计 | DECLARE v\_sqltext VARCHAR(1000);  DECLARE v\_ss,v\_sb,v\_sd VARCHAR(10);  declare is\_equal tinyint default 0;  select count(1) into is\_equal from user\_register\_info  where `name`=in\_name and `rs\_ip` = in\_rs\_ip and `fps\_ip`=in\_fps\_ip  and `mec\_ip`=in\_mec\_ip and `mobile\_api\_ip`=in\_mobile\_api\_ip and `push\_api\_ip`=in\_push\_api\_ip  and `rs\_port`=in\_rs\_port and `fps\_port`=in\_fps\_port and `mec\_port`=in\_mec\_port  and `mobile\_api\_port`=in\_mobile\_api\_port and `push\_api\_port`=in\_push\_api\_port ;  #and `last\_reg\_time` = in\_last\_reg\_time;  IF is\_equal=0 THEN  SET v\_ss='(''';  SET v\_sb=''',''';  SET v\_sd=''')';  SET v\_sqltext=concat('REPLACE INTO user\_register\_info values ',v\_ss,ifnull(in\_name,''),v\_sb,IFNULL(in\_rs\_ip,''),v\_sb,IFNULL(in\_fps\_ip,''),v\_sb,IFNULL(in\_mec\_ip,''),v\_sb,IFNULL(in\_mobile\_api\_ip,''),v\_sb,IFNULL(in\_push\_api\_ip,''),v\_sb,IFNULL(in\_rs\_port,''),v\_sb,IFNULL(in\_fps\_port,''),v\_sb,IFNULL(in\_mec\_port,''),v\_sb,IFNULL(in\_mobile\_api\_port,''),v\_sb,IFNULL(in\_push\_api\_port,''),v\_sb,IFNULL(in\_last\_reg\_time,''),v\_sd);  INSERT INTO mobile\_sync\_info SET sql\_text = v\_sqltext,insert\_date=UNIX\_TIMESTAMP(NOW());  end if; |