

部署文档

1.部署环境

本项目部署环境：

- 硬件环境

华为云服务器

鲲鹏内存优化型 | km1.large.8 | 2vCPUs | 16GiB

网络：300M，按需付费

- 操作系统

CentOS 7.6 64bit with ARM | 公共镜像

- 其他：

开放端口：80，81，8006(图片代理)

如需再次开发，建议开放40065，方便查看log

注意：不建议使用华为云鲲鹏处理器，因为可能会有一些未知的bug，并且安装过程较为繁琐。由于社区，或者技术文档缺乏，一些bug难以修复。

2. 所需软件

2.1 检查安装JDK

1.查看云端目前支持安装的JDK版本

```
1 | yum search java | grep jdk
```

2.选择JDK版本，并安装

```
1 | yum install -y java-1.7.0-openjdk
```

3.检查是否安装成功

```
1 | java -version
```

4.查看JDK的安装目录

```
1 | find / -name 'java'
```

2.2 安装MYSQL8

Mysql8.0安装 (YUM方式)

1. 首先删除系统默认或之前可能安装的其他版本的mysql

```
1 [root@DB-node01 ~]# for i in $(rpm -qa|grep mysql);do rpm -e $i --nodeps;done
2 [root@DB-node01 ~]# rm -rf /var/lib/mysql && rm -rf /etc/my.cnf
```

2. 安装Mysql8.0的yum资源库

```
1 mysql80-community-release-el7-1.noarch.rpm
2
3 [root@DB-node01 ~]# yum localinstall https://repo.mysql.com//mysql80-
community-release-el7-1.noarch.rpm
```

3. 安装Mysql8.0

```
1 [root@DB-node01 ~]# yum install mysql-community-server
2
3 #启动MySQL服务器和MySQL的自动启动
4 [root@DB-node01 ~]# systemctl start mysqld
5 [root@DB-node01 ~]# systemctl enable mysqld
```

4. 使用默认密码初次登录后, **必须要重置密码**

```
1 查看默认密码, 如下默认密码为"e53xDa1x.*dE"
2 [root@DB-node01 ~]# grep 'temporary password' /var/log/mysqld.log
3 2019-03-06T01:53:19.897262Z 5 [Note] [MY-010454] [Server] A temporary password
is generated for root@localhost: e53xDa1x.*dE
4
5 [root@DB-node01 ~]# mysql -pe53xDa1x.*dE
6 .....
7 mysql> select version();
8 ERROR 1820 (HY000): You must reset your password using ALTER USER statement
before executing this statement.
```

报错提示必须要重置初始密码, 下面开始重置mysql登录密码 (注意要切换到mysql数据库, 使用use

```
1 mysql> use mysql;
2 ERROR 1820 (HY000): You must reset your password using ALTER USER statement
before executing this statement.
3
4 mysql> ALTER USER 'root'@'localhost' IDENTIFIED BY '123456';
5 ERROR 1819 (HY000): Your password does not satisfy the current policy
requirements
```

这个其实与validate_password_policy的值有关, mysql8.0更改了validate_password_policy相关的配置名称, 这跟Mysql5.7有点不一样了.

```

1 mysql> set global validate_password.policy=0;
2 Query OK, 0 rows affected (0.00 sec)
3
4 mysql> set global validate_password.length=1;
5 Query OK, 0 rows affected (0.00 sec)

```

接着再修改密码

```

1 [mysql](http://mp.weixin.qq.com/s?__biz=MzI0MDQ4MTM5NQ==&mid=2247495595&idx=1&sn=f6c169e610b38050c4eecda80f23cf37&chksm=e9188ab7de6f03a1531aa276b91cdbbc43d4ef0fafa13f21f8b6d93c88710e350f0b10ff18b1&scene=21#wechat_redirect)> ALTER USER 'root'@'localhost' IDENTIFIED BY '123456';
2 Query OK, 0 rows affected (0.05 sec)
3
4 mysql> flush privileges;
5 Query OK, 0 rows affected (0.03 sec)

```

退出, 重新使用新密码登录mysql

```

1 [root@DB-node01 ~]# mysql -p123456
2 .....
3 mysql> select version();
4 +-----+
5 | version() |
6 +-----+
7 | 8.0.15    |
8 +-----+
9 1 row in set (0.00 sec)

```

查看服务端口

```

1 mysql> show global variables like 'port';
2 +-----+-----+
3 | variable_name | value |
4 +-----+-----+
5 | port          | 3306  |
6 +-----+-----+
7 1 row in set (0.01 sec)

```

查看mysql连接的授权信息

```

1 mysql> select host,user,password from mysql.user;
2 ERROR 1054 (42S22): Unknown column 'password' in 'field list'

```

上面这是mysql5.6及以下版本的查看命令, mysql5.7之后的数据库里mysql.user表里已经没有password这个字段了, password字段改成了authentication_string。

```

1  mysql> select host,user,authentication_string from mysql.user;
2  +-----+-----+-----+
3  | host      | user      | authentication_string
4  +-----+-----+-----+
5  | localhost | mysql.infoschema |
   $A$005$THISISACOMBINATIONOFINVALIDSALTANDPASSWORDTHATMUSTNEVERBRBEUSED |
6  | localhost | mysql.session    |
   $A$005$THISISACOMBINATIONOFINVALIDSALTANDPASSWORDTHATMUSTNEVERBRBEUSED |
7  | localhost | mysql.sys        |
   $A$005$THISISACOMBINATIONOFINVALIDSALTANDPASSWORDTHATMUSTNEVERBRBEUSED |
8  | localhost | root            |
   $A$005${7J0=4Dc7Jym8eI/FU4jimKWFvkd9XmoAkF1ca5.Un0bc6zgmPtU.0
9  +-----+-----+-----+
10 4 rows in set (0.00 sec)

```

mysql8.0修改用户密码命令

```

1  mysql> use mysql;
2  mysql> ALTER USER 'root'@'localhost' IDENTIFIED BY '123456';
3  mysql> flush privileges;

```

mysql8.0使用过程中踩过的一些坑

可能遇到的一些问题

- 1)创建用户和授权 在mysql8.0创建用户和授权和之前不太一样了，其实严格上来讲，也不能说是 不一样，只能说是更严格，mysql8.0需要先创建用户(创建用户时要带@并指定地址，则grant授权时的地址就是这个@后面指定的!，否则grant授权就会报错!)和设置密码,然后才能授权。

```

1  mysql> create user 'kevin'@'%' identified by '123456';
2  Query OK, 0 rows affected (0.04 sec)
3
4  mysql> grant all privileges on *.* to 'kevin'@'%' with grant option;
5  Query OK, 0 rows affected (0.04 sec)
6
7  mysql> create user 'bobo'@'%' identified by '123456';
8  Query OK, 0 rows affected (0.06 sec)
9
10 mysql> grant all privileges on *.* to 'bobo'@'%' with grant option;
11 Query OK, 0 rows affected (0.03 sec)
12
13 mysql> flush privileges;
14 Query OK, 0 rows affected (0.04 sec)
15
16 mysql> select host,user,authentication_string from mysql.user;
17 +-----+-----+-----+
18 | host      | user      | authentication_string
19 +-----+-----+-----+
20 | %         | bobo      | $A$005$1vY")q?
   G6<^X@-6LsXrPt5C0Tw1TuvHba0a3sYF0DKViIGoRPuCF8AzwiFcim1 |

```

```

21 | %          | kevin          |
   | $A$005$hy`u}ZB#R::rA8w0y2rmwgySqzv0rmR1eTeNDSaxfQPWIsrh7ytbvdi85 |
22 | localhost | mysql.infoschema |
   | $A$005$THISISACOMBINATIONOFINVALIDSALTANDPASSWORDTHATMUSTNEVERBRBEUSED |
23 | localhost | mysql.session    |
   | $A$005$THISISACOMBINATIONOFINVALIDSALTANDPASSWORDTHATMUSTNEVERBRBEUSED |
24 | localhost | mysql.sys        |
   | $A$005$THISISACOMBINATIONOFINVALIDSALTANDPASSWORDTHATMUSTNEVERBRBEUSED |
25 | localhost | root             |
   | $A$005$/vo_y^7,]6;2qxxgBLmJzhA0Qy1u5/AHuRScZ/ykKedgZKh/6kr0IzPs2 |
26 +-----+-----+-----+-----+-----+-----+-----+-----+
   |-----+

```

如果还是用Mysql5.7及之前版本的直接授权的方法, 会有报错

- 2)Mysql8.0默认是不能使用root账号进行远程登录的! root账号只能本地登录!

```

1  mysql> select host,user,authentication_string from mysql.user;
2  +-----+-----+-----+-----+-----+-----+-----+-----+
   |-----+
3  | host          | user          | authentication_string
   |
4  +-----+-----+-----+-----+-----+-----+-----+-----+
   |-----+
5  | %          | bobo          | $A$005$1vY")q?
   | G6<^X@-6LsXrPt5C0TwlTuvHba0a3sYF0DKViIGoRPuCF8AzwiFcim1 |
6  | %          | kevin          |
   | $A$005$hy`u}ZB#R::rA8w0y2rmwgySqzv0rmR1eTeNDSaxfQPWIsrh7ytbvdi85 |
7  | localhost | mysql.infoschema |
   | $A$005$THISISACOMBINATIONOFINVALIDSALTANDPASSWORDTHATMUSTNEVERBRBEUSED |
8  | localhost | mysql.session    |
   | $A$005$THISISACOMBINATIONOFINVALIDSALTANDPASSWORDTHATMUSTNEVERBRBEUSED |
9  | localhost | mysql.sys        |
   | $A$005$THISISACOMBINATIONOFINVALIDSALTANDPASSWORDTHATMUSTNEVERBRBEUSED |
10 | localhost | root           |
   | $A$005$/vo_y^7,]6;2qxxgBLmJzhA0Qy1u5/AHuRScZ/ykKedgZKh/6kr0IzPs2 |
11 +-----+-----+-----+-----+-----+-----+-----+-----+
   |-----+
12  6 rows in set (0.00 sec)

```

如果想要远程登录, 则需要进行update更新下root账号的权限

```

1  mysql> update mysql.user set host='%' where user="root";
2  Query OK, 1 row affected (0.10 sec)
3  Rows matched: 1  Changed: 1  warnings: 0
4
5  mysql> flush privileges;
6  Query OK, 0 rows affected (0.14 sec)
7
8  mysql> select host,user,authentication_string from mysql.user;
9  +-----+-----+-----+-----+-----+-----+-----+-----+
   |-----+
10 | host          | user          | authentication_string
   |
11 +-----+-----+-----+-----+-----+-----+-----+-----+
   |-----+

```

```

12 | %          | bobo          | $A$005$1vY")q?
   G6<^X@-6LsXrPt5C0Tw1TuvHba0a3sYF0DKViIGoRPuCF8AzwiFcim1 |
13 | %          | kevin         |
   $A$005$hy`U}ZB#R::rA8W0y2rmwgySqzv0rmR1eTeNDSaXfQPWIsrh7ytbvdi85 |
14 | %          | root          |
   $A$005$/vO_y^7,J6;2qxggBLmJzhA0Qy1u5/AHuRScZ/ykKedgZKh/6kr0IzPs2 |
15 | localhost | mysql.infoschema |
   $A$005$THISISACOMBINATIONOFINVALIDSALTANDPASSWORDTHATMUSTNEVERBRBEUSED |
16 | localhost | mysql.session   |
   $A$005$THISISACOMBINATIONOFINVALIDSALTANDPASSWORDTHATMUSTNEVERBRBEUSED |
17 | localhost | mysql.sys        |
   $A$005$THISISACOMBINATIONOFINVALIDSALTANDPASSWORDTHATMUSTNEVERBRBEUSED |
18 +-----+-----+-----+-----+
   -----+
19 6 rows in set (0.00 sec)

```

这样就能在远程使用root账号登录该mysql8.0的数据库了

修改root账号权限,允许root账号远程登录后,用navicat进行mysql的远程连接时,出现了弹窗报错。出现这个原因是mysql8之前的版本中加密规则是mysql_native_password,而在mysql8之后,加密规则是caching_sha2_password,解决问题方法:

一种是把mysql用户登录密码加密规则还原成mysql_native_password;

```

1  #修改加密规则
2  mysql> ALTER USER 'root'@'%' IDENTIFIED BY '123456' PASSWORD EXPIRE NEVER;

3  Query OK, 0 rows affected (0.16 sec)
4
5  #更新一下用户的密码
6  mysql> ALTER USER 'root'@'%' IDENTIFIED WITH mysql_native_password BY
   '123456';
7  Query OK, 0 rows affected (0.08 sec)
8
9  #刷新权限
10 mysql> FLUSH PRIVILEGES;
11 Query OK, 0 rows affected (0.03 sec)

```

这样问题就解决了。

项目需要的数据库表

见附录

2.3 安装nginx

1、安装nginx编译环境

```

1  yum -y install gcc-c++
2
3  yum -y install pcre-devel openssl openssl-devel

```

2、安装之前检查是否有安装过nginx

```
find -name nginx
```

3、如果有安装卸载

```
yum remove nginx
```

4、选择你想要安装的目录，我选择的是/usr/local下的目录安装

```
cd /usr/local
```

5、然后下载最新的nginx

```
wget http://nginx.org/download/nginx-1.12.0.tar.gz
```

6、解压nginx包

```
tar -zxvf nginx-1.12.0.tar.gz
```

7、配置nginx安装信息

解压之后进入nginx安装目录后，执行以下语句：

```
./configure --prefix=/home/gaochao/nginx --with-http_ssl_module
```

注：-prefix 参数：指定安装目录；-with-http_ssl_module：编译的时候启用SSL支持

8、然后编译、安装

```
1 | make
2 | make install
```

9、使用命令查看nginx的安装路径

```
whereis nginx
```

10、给nginx目录权限

```
chmod -R 777 /usr/local/nginx/
```

进入cd /usr/local/nginx/sbin/启动nginx./nginx，然后查看nginx服务是否成功netstat -ntlp

然后根据ip进行访问即可。

11.nginx配置限流

配置文件见附录

2.4 安装redis

1. 安装gcc依赖

由于 redis 是用 C 语言开发，安装之前必先确认是否安装 gcc 环境（gcc -v），如果没有安装，执行以下命令进行安装（因为这一步没有做导致我执行安装命令一直报错）

```
1 | yum install -y gcc
```

2. 下载Redis

官网下载地址：<https://redis.io/download>

找到要下载的版本右键复制下载链接

3. 都知道虚拟机可以使用wget命令直接联网下载 但是这个下载路径也很重要 所以这一步 一定要自己进入官网复制 网上很多教程都是直接给的一个下载命令 但是那个命令里面的版本不一定都还在 所以必须要自己去复制一下这个下载路径 然后输入wget + 刚刚复制的下载路径 回车进行下载

```
wget https://download.redis.io/releases/redis-6.2.5.tar.gz
```

4. 解压redis

下载完后使用解压命令进行解压

```
tar -zxvf redis-6.2.5.tar.gz
```

解压完成后使用ls命令可以看到当前文件夹有两个文件

```
1 因为 redis一般放在/usr/local/redis路径下 所以要使用命令将文件移动过去 这里我的文件在
   opt下
2
3  ``mv /opt/redis-6.2.5 /usr/local/redis``
4
5  cd 到/usr/local目录下可以查看到当前目录已经多了一个redis子目录
```

5. 安装redis

进入到redis目录输入make执行编译命令

再输入如下命令进行安装

```
make PREFIX=/usr/local/redis install
```

```
1 启动redis
2
3  cd bin
4  ./redis-server
5
6  从 redis 的源码目录中复制 redis.conf 到 redis 的安装目录
```

```
cp /opt/redis-6.2.5/redis.conf /usr/local/redis/bin/
```

6. 修改 redis.conf 文件，把 daemonize no 改为 daemonize yes

```
vi redis.conf
```

```
./redis-server redis.conf
```

7. 查看Redis是否正在运行

```
ps -ef | grep redis
```

```
redis-cli
```

./redis-cli是连接本地redis服务的一个命令，通过该命令后可以既可控制redis的脚本控制台

如果 Redis报错：-bash: redis-cli: command not found

将redis-cli拷贝到bin下，让redis-cli指令可以在任意目录下直接使用

```
cp /opt/redis-6.2.5/src/redis-cli.c /usr/local/redis/bin
```

服务操作命令


```
1 | systemctl start redis.service    #启动redis服务
2
3 | systemctl stop redis.service     #停止redis服务
4
5 | systemctl restart redis.service   #重新启动服务
6
7 | systemctl status redis.service    #查看服务当前状态
8
9 | systemctl enable redis.service    #设置开机自启动
10
11 | systemctl disable redis.service  #停止开机自启动
```

2.5 安装rabbitMQ

因为RabbitMQ是由Erlang语言开发的所以需要安装Erlang的开发环境，再安装RabbitMQ

安装Erlang

```
1 | curl -s
   https://packagecloud.io/install/repositories/rabbitmq/erlang/script.rpm.sh |
   sudo bash
```

```
1 | yum install erlang -y
```

安装完erlang后检验版本

```
1 | erl -version
```

安装rabbitmq

```
1 | yum install rabbitmq-server -y
```

配置rabbitmq

```

1 # 开机启动
2 systemctl enable rabbitmq-server.service# 启动rabbitmqsystemctl start
  rabbitmq-server.service
3
4 # 开启后台管理
5 rabbitmq-plugins enable rabbitmq_management
6
7 # 设置后台管理员
8 rabbitmqctl add_user fahaxiki 'fhxj123'
9 rabbitmqctl set_user_tags fahaxiki administrator
10 rabbitmqctl set_permissions -p / fahaxiki '.*' '.*' '.*'
11
12 # 重启rabbitmq
13 systemctl restart rabbitmq-server.service

```

启动rabbitmq后，可以通过<http://x.x.x.x:15672>访问管理后台，使用上面设置的管理员账号登录。

注意端口[15672](http://x.x.x.x:15672)是否开放




Username:

Password:

Login

登录成功



RabbitMQ 3.9.13 Erlang 23.3.4.11

Overview Connections Channels Exchanges Queues Admin

Overview

▼ Totals

Queued messages [last minute](#) ?

Currently idle

Message rates [last minute](#) ?

Currently idle

Global counts ?

Connections: 0 Channels: 0 Exchanges: 7 Queues: 0 Consumers: 0

▼ Nodes

Name	File descriptors ?	Socket descriptors ?	Erlang processes	Memory ?	Disk space	Uptime	Info	Reset stats	+/-
rabbit@0493	42 32768 available	0 29401 available	360 1048576 available	72 MiB 735 MiB high watermark 33 MiB low watermark	33 GiB	6m 18s	basic disc 1 rss	This node All nodes	

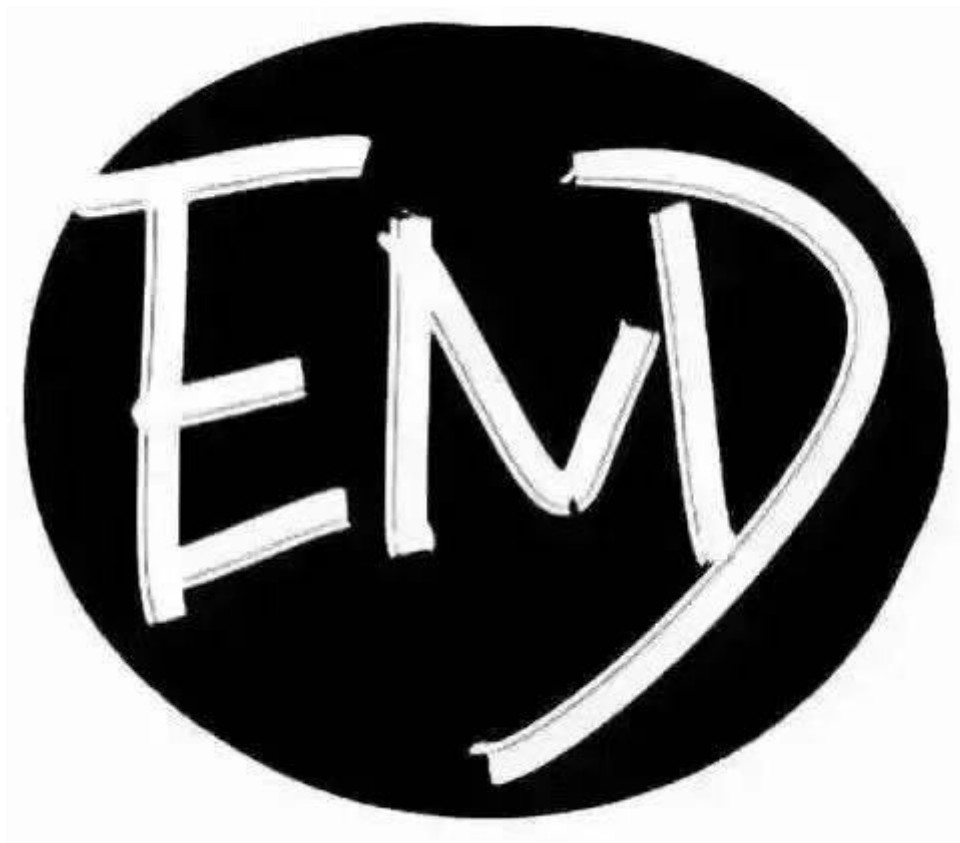
► Churn statistics

► Ports and contexts

► Export definitions

► Import definitions

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2.6 安装nacos

下载

1. 官网下载
2. 解压

```
1 | cd /home/busapp/service/  
2 | tar xvf nacos.tar.gz
```

3. 数据库配置

见附录三

4. 修改配置

```
1 | cd /home/busapp/service/nacos/conf/  
2 | vim application.properties  
3 |  
4 | db.num=1  
5 | db.url.0=jdbc:mysql://localhost:3306/nacos-mysql??  
   | characterEncoding=utf8&connectTimeout=1000&socketTimeout=3000&autoReconnect=tr  
   | ue  
6 | db.user=root  
7 | db.password=123456
```

4. 启用

```
1 | cd /home/busapp/service/nacos/bin/  
2 | ./startup.sh -m standalone &
```

3 部署

3.1 前端部署

需要安装node环境

对于使用Node的环境，处理这个最简单的方法是安装serve并让它处理其余的：

```
1 | npm install -g serve  
2 | serve -s build
```

上面显示的最后一个命令将在端口3000上为您的静态站点提供服务。像许多serve的内部设置一样，可以使用-l或--listen标志调整端口：

```
1 | serve -s build -l 4000
```

运行此命令以获取可用选项的完整列表：

```
1 | serve -h
```

另外你可以直接使用这条

```
1 | serve -s
```

然后你需要cd dist文件下
运行

```
1 | serve -s
```

使用screen进行会话管理

需要安装screen

```
1 |  
2 |  
3 | tar -xzvf build.tar.gz  
4 |  
5 | screen  
6 |  
7 | screen -ls  
8 |  
9 | kill ID  
10 |  
11 | serve -s ./
```

3.2 后端部署

首先在本地进行maven编译

生成jar包

服务名	部署命令F	FIRST	SECOND
Gateway	nohup java -jar Gateway-0.0.1-SNAPSHOT.jar > /Ukother/Uklog/Gateway.log &	9001	9011
UserService	nohup java -jar UserService-0.0.1-SNAPSHOT.jar > /Ukother/Uklog/UserService.log &	8001	
HouseService	nohup java -jar HouseService-0.0.1-SNAPSHOT.jar > /Ukother/Uklog/HouseService.log &	8002	8012
SystemService	nohup java -jar SystemService-0.0.1-SNAPSHOT.jar > /Ukother/Uklog/System.log &	8003	
AuditService	nohup java -jar AuditService-0.0.1-SNAPSHOT.jar > /Ukother/Uklog/Audit.log &	8004	
ReportService	nohup java -jar ReportService-0.0.1-SNAPSHOT.jar > /Ukother/Uklog/report.log &	8005	
NewsService	nohup java -jar NewsService-0.0.1-SNAPSHOT.jar > /Ukother/Uklog/NewService.log &	8006	
PicService	nohup java -jar PicService-0.0.1-SNAPSHOT.jar > /Ukother/Uklog/Pic.log &	8007	

服务器实际

名称	大小	类型	修改时间	属性
..				
build		文件夹	2022/5/18, 4:20	drwxr-xr-x
code		文件夹	2022/5/18, 0:50	drwxr-xr-x
Housepic		文件夹	2022/5/16, 0:16	drwxr-xr-x
HTML		文件夹	2022/5/8, 0:10	drwxr-xr-x
New Folder		文件夹	2022/5/16, 0:30	drwxr-xr-x
AuditService-0.0.1-SNAPSHOT.jar	70.01MB	Executa...	2022/5/17, 19:05	-rw-r--r--
Gateway-0.0.1-SNAPSHOT.jar	51.17MB	Executa...	2022/5/17, 19:05	-rw-r--r--
Gateway-9002-first.jar	51.17MB	Executa...	2022/5/17, 19:14	-rw-r--r--
Gateway-9011-second.jar	51.17MB	Executa...	2022/5/17, 19:10	-rw-r--r--
HouseService-0.0.1-SNAPSHOT.jar	68.21MB	Executa...	2022/5/17, 19:06	-rw-r--r--
HouseService-8014.jar	68.21MB	Executa...	2022/5/18, 2:27	-rw-r--r--
HouseService-second.jar	68.21MB	Executa...	2022/5/18, 2:23	-rw-r--r--
NewsService-0.0.1-SNAPSHOT.jar	68.24MB	Executa...	2022/5/18, 2:43	-rw-r--r--
PicService-0.0.1-SNAPSHOT.jar	68.16MB	Executa...	2022/5/17, 19:05	-rw-r--r--
ReportService-0.0.1-SNAPSHOT.jar	68.24MB	Executa...	2022/5/17, 19:05	-rw-r--r--
SystemService-0.0.1-SNAPSHOT.jar	67.08MB	Executa...	2022/5/17, 19:05	-rw-r--r--
UserService-0.0.1-SNAPSHOT.jar	73.71MB	Executa...	2022/5/18, 1:59	-rw-r--r--

log目录

名称	大小	类型	修改时间	属性
..				
Audit.log	8KB	文本文档	2022/5/20, 7:54	-rw-r--r--
Gateway-9002-first.log	842KB	文本文档	2022/5/21, 15:17	-rw-r--r--
Gateway-9011-second.log	816KB	文本文档	2022/5/20, 15:23	-rw-r--r--
Gateway.log	948KB	文本文档	2022/5/21, 22:49	-rw-r--r--
house-8014.log	11KB	文本文档	2022/5/19, 22:58	-rw-r--r--
houseservice-second.log	9KB	文本文档	2022/5/18, 2:24	-rw-r--r--
HouseService.log	15.75MB	文本文档	2022/5/20, 12:17	-rw-r--r--
NewService.log	12KB	文本文档	2022/5/20, 4:21	-rw-r--r--
Pic.log	9KB	文本文档	2022/5/19, 6:00	-rw-r--r--
report.log	12KB	文本文档	2022/5/21, 19:31	-rw-r--r--
System.log	12KB	文本文档	2022/5/21, 0:50	-rw-r--r--
UserService.log	1.55MB	文本文档	2022/5/21, 0:50	-rw-r--r--

附录1-项目数据库表

数据库-UA

```

1  #共21张表
2  CREATE TABLE `AUDIT` (
3      `AUDIT_ID` int NOT NULL AUTO_INCREMENT,
4      `CREATE_TIME` timestamp NULL DEFAULT CURRENT_TIMESTAMP,
5      `DELETE_MARK` varchar(3) DEFAULT 'NO',
6      `OBJTYPE_ID` int NOT NULL,
7      `OPERATOR` mediumtext NOT NULL,
8      `OPER` int NOT NULL,
9      `MESSAGE` varchar(200) DEFAULT NULL,
10     `OBJ_ID` int NOT NULL,
11     PRIMARY KEY (`AUDIT_ID`)
12 ) ENGINE=InnoDB AUTO_INCREMENT=50 DEFAULT CHARSET=utf8mb4
   COLLATE=utf8mb4_0900_ai_ci;
13
14 CREATE TABLE `city` (
15     `id` int unsigned NOT NULL AUTO_INCREMENT,
16     `country_id` int DEFAULT NULL COMMENT '城市所在的国家对应的id',
17     `state` varchar(256) DEFAULT NULL COMMENT '省或者州的英文名称,若某国家没有这一
   个行政级别,则为空',
18     `name` varchar(256) DEFAULT NULL COMMENT '城市的标准英文名称',
19     `lower_name` varchar(256) DEFAULT NULL COMMENT '城市的小写英文名称,用于搜索',
20     `cn_state` varchar(256) DEFAULT NULL COMMENT '省或者州的中文名称,若某国家没有
   这一个行政级别',
21     `cn_name` varchar(256) DEFAULT NULL COMMENT '城市的标准中文名称',
22     `city_code` varchar(64) DEFAULT NULL COMMENT '城市的代码(一般表示缩写)',
23     `state_code` varchar(64) DEFAULT NULL COMMENT '省或者州代码(一般表示缩写),若
   某个国家没有州或省这个行政级别,则为空',
24     PRIMARY KEY (`id`)
25 ) ENGINE=InnoDB AUTO_INCREMENT=3758 DEFAULT CHARSET=utf8mb3;
26
27 CREATE TABLE `country` (

```

```

28 `id` int unsigned NOT NULL AUTO_INCREMENT COMMENT '自增id',
29 `continent_id` int DEFAULT NULL COMMENT '对应七大陆continent表的id',
30 `name` varchar(256) DEFAULT NULL COMMENT '英文常用标准名称, 主要用于显示',
31 `lower_name` varchar(256) DEFAULT NULL COMMENT '对应于英文标准名称的小写, 主要
    用于搜索比较',
32 `country_code` varchar(64) DEFAULT NULL COMMENT '英文缩写名称, 全大写',
33 `full_name` varchar(256) DEFAULT NULL COMMENT '英文标准名称全称',
34 `cname` varchar(256) DEFAULT NULL COMMENT '中文常用标准名称, 通常简称',
35 `full_cname` varchar(256) DEFAULT NULL COMMENT '中文全称名称, 非缩写',
36 `remark` text COMMENT '备注字段, 保留',
37 PRIMARY KEY (`id`)
38 ) ENGINE=InnoDB AUTO_INCREMENT=213 DEFAULT CHARSET=utf8mb3;
39
40 CREATE TABLE `DICT_AUDIT_OPER` (
41 `OPER_ID` int NOT NULL AUTO_INCREMENT,
42 `CREATE_TIME` timestamp NULL DEFAULT CURRENT_TIMESTAMP,
43 `DELETE_MARK` varchar(3) DEFAULT 'NO',
44 `OPER` varchar(200) NOT NULL,
45 PRIMARY KEY (`OPER_ID`)
46 ) ENGINE=InnoDB AUTO_INCREMENT=10004 DEFAULT CHARSET=utf8mb4
    COLLATE=utf8mb4_0900_ai_ci;
47
48 CREATE TABLE `DICT_GROUP` (
49 `GROUP_ID` int NOT NULL AUTO_INCREMENT,
50 `GROUP_NAME` varchar(200) NOT NULL,
51 `CREATE_TIME` timestamp NULL DEFAULT CURRENT_TIMESTAMP,
52 `PARENT_ID` int NOT NULL,
53 `DELETE_MARK` varchar(3) DEFAULT 'NO',
54 PRIMARY KEY (`GROUP_ID`)
55 ) ENGINE=InnoDB AUTO_INCREMENT=10009 DEFAULT CHARSET=utf8mb4
    COLLATE=utf8mb4_0900_ai_ci;
56
57 CREATE TABLE `DICT_IDENTITY_TYPE` (
58 `TYPE_ID` int NOT NULL AUTO_INCREMENT,
59 `CREATE_TIME` timestamp NULL DEFAULT CURRENT_TIMESTAMP,
60 `TYPE_NAME` varchar(50) CHARACTER SET utf8mb3 COLLATE utf8_general_ci NOT
    NULL,
61 `DELETE_MARK` varchar(3) CHARACTER SET utf8mb3 COLLATE utf8_general_ci
    DEFAULT 'NO',
62 PRIMARY KEY (`TYPE_ID`) USING HASH
63 ) ENGINE=MEMORY AUTO_INCREMENT=10002 DEFAULT CHARSET=utf8mb3
    ROW_FORMAT=DYNAMIC;
64
65 CREATE TABLE `DICT_MENU` (
66 `MENU_ID` int NOT NULL AUTO_INCREMENT,
67 `CREATE_TIME` timestamp NULL DEFAULT CURRENT_TIMESTAMP,
68 `MENU` varchar(100) NOT NULL,
69 `URL` varchar(200) NOT NULL,
70 `DELETE_MARK` varchar(3) DEFAULT 'NO',
71 `ICON` varchar(100) DEFAULT NULL,
72 `DEFAULT_MARK` varchar(3) DEFAULT 'NO',
73 PRIMARY KEY (`MENU_ID`)
74 ) ENGINE=InnoDB AUTO_INCREMENT=10004 DEFAULT CHARSET=utf8mb4
    COLLATE=utf8mb4_0900_ai_ci;
75
76 CREATE TABLE `DICT_OBJTYPE` (
77 `OBJTYPE_ID` int NOT NULL AUTO_INCREMENT,
78 `CREATE_TIME` timestamp NULL DEFAULT CURRENT_TIMESTAMP,

```

```

79 `DELETE_MARK` varchar(3) DEFAULT 'NO',
80 `OBJTYPE` varchar(200) NOT NULL,
81 PRIMARY KEY (`OBJTYPE_ID`)
82 ) ENGINE=InnoDB AUTO_INCREMENT=10012 DEFAULT CHARSET=utf8mb4
  COLLATE=utf8mb4_0900_ai_ci;
83
84 CREATE TABLE `DICT_PERMISSION` (
85   `PERMISSION_ID` int NOT NULL AUTO_INCREMENT,
86   `CREATE_TIME` timestamp NULL DEFAULT CURRENT_TIMESTAMP,
87   `PERMISSION_NAME` varchar(30) CHARACTER SET utf8mb3 COLLATE
utf8_general_ci NOT NULL,
88   `DELETE_MARK` varchar(3) CHARACTER SET utf8mb3 COLLATE utf8_general_ci
  DEFAULT 'NO',
89   `URL` varchar(200) CHARACTER SET utf8mb3 COLLATE utf8_general_ci DEFAULT
  NULL,
90   `PARENT_ID` int DEFAULT '1',
91   `ICON` varchar(100) DEFAULT NULL,
92   `PAGEKEY` varchar(500) DEFAULT NULL,
93   PRIMARY KEY (`PERMISSION_ID`) USING HASH
94 ) ENGINE=MEMORY AUTO_INCREMENT=100042 DEFAULT CHARSET=utf8mb3
  ROW_FORMAT=DYNAMIC;
95
96 CREATE TABLE `DICT_ROLE` (
97   `ROLE_ID` int NOT NULL AUTO_INCREMENT,
98   `CREATE_TIME` timestamp NULL DEFAULT CURRENT_TIMESTAMP,
99   `ROLE_NAME` varchar(30) CHARACTER SET utf8mb3 COLLATE utf8_general_ci NOT
  NULL,
100   `DELETE_MARK` varchar(3) CHARACTER SET utf8mb3 COLLATE utf8_general_ci
    DEFAULT 'NO',
101   PRIMARY KEY (`ROLE_ID`) USING HASH
102 ) ENGINE=MEMORY AUTO_INCREMENT=10032 DEFAULT CHARSET=utf8mb3
  ROW_FORMAT=DYNAMIC;
103
104 CREATE TABLE `DICT_ROLE_MENU` (
105   `ID` int NOT NULL AUTO_INCREMENT,
106   `ROLE_ID` int NOT NULL,
107   `MENU_ID` int NOT NULL,
108   `CREATE_TIME` timestamp NULL DEFAULT CURRENT_TIMESTAMP,
109   `DELETE_MARK` varchar(3) DEFAULT 'NO',
110   PRIMARY KEY (`ID`)
111 ) ENGINE=InnoDB AUTO_INCREMENT=10039 DEFAULT CHARSET=utf8mb4
  COLLATE=utf8mb4_0900_ai_ci;
112
113 CREATE TABLE `DICT_ROLE_PERMISSION` (
114   `ID` int NOT NULL AUTO_INCREMENT,
115   `CREATE_TIME` timestamp NULL DEFAULT CURRENT_TIMESTAMP,
116   `PERMISSION_ID` int NOT NULL,
117   `ROLE_ID` int NOT NULL,
118   `DELETE_MARK` varchar(3) CHARACTER SET utf8mb3 COLLATE utf8_general_ci
    DEFAULT 'NO',
119   `LOCKED_MARK` varchar(3) DEFAULT 'NO',
120   PRIMARY KEY (`ID`) USING HASH
121 ) ENGINE=MEMORY AUTO_INCREMENT=10237 DEFAULT CHARSET=utf8mb3
  ROW_FORMAT=DYNAMIC;
122
123 CREATE TABLE `DICT_SCOPE` (
124   `SCOPE_ID` int NOT NULL AUTO_INCREMENT,
125   `CREATE_TIME` timestamp NULL DEFAULT CURRENT_TIMESTAMP,

```



```

126 `DELETE_MARK` varchar(3) DEFAULT 'NO',
127 `SCOPE` varchar(100) NOT NULL,
128 PRIMARY KEY (`SCOPE_ID`)
129 ) ENGINE=InnoDB AUTO_INCREMENT=10002 DEFAULT CHARSET=utf8mb4
    COLLATE=utf8mb4_0900_ai_ci;
130
131 CREATE TABLE `DICT_STATUS` (
132   `STATUS_ID` int NOT NULL AUTO_INCREMENT,
133   `CREATE_TIME` timestamp NULL DEFAULT CURRENT_TIMESTAMP,
134   `DELETE_MARK` varchar(3) DEFAULT 'NO',
135   `STATUS` varchar(200) NOT NULL,
136   PRIMARY KEY (`STATUS_ID`)
137 ) ENGINE=InnoDB AUTO_INCREMENT=4 DEFAULT CHARSET=utf8mb4
    COLLATE=utf8mb4_0900_ai_ci;
138
139 CREATE TABLE `DICT_SYS_OPERATION` (
140   `OPER_ID` int NOT NULL AUTO_INCREMENT,
141   `CREATE_TIME` timestamp NULL DEFAULT CURRENT_TIMESTAMP,
142   `DELETE_MARK` varchar(3) DEFAULT 'NO',
143   `OPER` varchar(200) NOT NULL,
144   PRIMARY KEY (`OPER_ID`)
145 ) ENGINE=InnoDB AUTO_INCREMENT=10004 DEFAULT CHARSET=utf8mb4
    COLLATE=utf8mb4_0900_ai_ci;
146
147 CREATE TABLE `DICT_USER_ROLE` (
148   `ID` int NOT NULL AUTO_INCREMENT,
149   `CREATE_TIME` timestamp NULL DEFAULT CURRENT_TIMESTAMP,
150   `USER_ID` int NOT NULL,
151   `ROLE_ID` int NOT NULL,
152   `DELETE_MARK` varchar(3) CHARACTER SET utf8mb3 COLLATE utf8_unicode_ci
    DEFAULT 'NO',
153   `LOCKED_MARK` varchar(3) COLLATE utf8_unicode_ci DEFAULT 'NO',
154   `GROUP_ID` int DEFAULT '10005',
155   PRIMARY KEY (`ID`) USING BTREE
156 ) ENGINE=InnoDB AUTO_INCREMENT=21527 DEFAULT CHARSET=utf8mb3
    COLLATE=utf8_unicode_ci ROW_FORMAT=DYNAMIC;
157
158 CREATE TABLE `MESSAGE` (
159   `MESSAGE_ID` int NOT NULL AUTO_INCREMENT,
160   `CREATE_TIME` timestamp NULL DEFAULT CURRENT_TIMESTAMP,
161   `DELETE_MARK` varchar(3) DEFAULT 'NO',
162   `CONTENT` varchar(1000) NOT NULL,
163   `SCOPE` int DEFAULT NULL,
164   `SPECIFIC_USERS` varchar(4000) DEFAULT NULL,
165   `TITLE` varchar(100) NOT NULL,
166   PRIMARY KEY (`MESSAGE_ID`)
167 ) ENGINE=InnoDB AUTO_INCREMENT=12 DEFAULT CHARSET=utf8mb4
    COLLATE=utf8mb4_0900_ai_ci;
168
169 CREATE TABLE `REPORT` (
170   `REPORT_ID` int NOT NULL AUTO_INCREMENT,
171   `CREATE_TIME` timestamp NULL DEFAULT CURRENT_TIMESTAMP,
172   `DELETE_MARK` varchar(3) DEFAULT 'NO',
173   `OBJTYPE_ID` int NOT NULL,
174   `DEFENSE` int NOT NULL,
175   `REASON` varchar(500) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci
    NOT NULL,
176   `PROSECUTION` mediumtext NOT NULL,

```

```

177     `HANDLE_MARK` varchar(3) DEFAULT 'NO',
178     PRIMARY KEY (`REPORT_ID`)
179 ) ENGINE=InnoDB AUTO_INCREMENT=10030 DEFAULT CHARSET=utf8mb4
    COLLATE=utf8mb4_0900_ai_ci;
180
181 CREATE TABLE `SYSLOG` (
182     `LOG_ID` int NOT NULL AUTO_INCREMENT,
183     `CREATE_TIME` timestamp NULL DEFAULT CURRENT_TIMESTAMP,
184     `DELETE_MARK` varchar(3) DEFAULT 'NO',
185     `OBJTYPE_ID` int NOT NULL,
186     `OBJ_ID` int NOT NULL,
187     `OPERATOR` int NOT NULL,
188     `OPERATION` int NOT NULL,
189     `MESSAGE` varchar(200) NOT NULL,
190     PRIMARY KEY (`LOG_ID`)
191 ) ENGINE=InnoDB AUTO_INCREMENT=280 DEFAULT CHARSET=utf8mb4
    COLLATE=utf8mb4_0900_ai_ci;
192
193 CREATE TABLE `USER` (
194     `USER_ID` int NOT NULL AUTO_INCREMENT,
195     `CREATE_TIME` timestamp NULL DEFAULT CURRENT_TIMESTAMP,
196     `COUNTRY` varchar(50) CHARACTER SET utf8mb3 COLLATE utf8_general_ci
    DEFAULT NULL,
197     `CITY` varchar(50) CHARACTER SET utf8mb3 COLLATE utf8_general_ci DEFAULT
    NULL,
198     `NAME` varchar(100) DEFAULT NULL,
199     `IDENTITY_NO` varchar(30) DEFAULT NULL,
200     `IFVERIFIED` varchar(3) DEFAULT 'NO',
201     `DELETE_MARK` varchar(3) DEFAULT 'NO',
202     PRIMARY KEY (`USER_ID`) USING HASH
203 ) ENGINE=MEMORY AUTO_INCREMENT=10023 DEFAULT CHARSET=utf8mb3
    ROW_FORMAT=DYNAMIC;
204
205 CREATE TABLE `USER_AUTH` (
206     `AUTH_ID` int NOT NULL AUTO_INCREMENT,
207     `USER_ID` int NOT NULL,
208     `CREATE_TIME` timestamp NULL DEFAULT CURRENT_TIMESTAMP,
209     `IDENTITY_TYPE` int NOT NULL,
210     `IDENTIFIER` varchar(50) CHARACTER SET utf8mb3 COLLATE utf8_general_ci
    NOT NULL,
211     `CREDENTIAL` varchar(100) CHARACTER SET utf8mb3 COLLATE utf8_general_ci
    NOT NULL,
212     `IFVERIFIED` varchar(3) CHARACTER SET utf8mb3 COLLATE utf8_general_ci
    DEFAULT 'NO',
213     `DELETE_MARK` varchar(3) DEFAULT 'NO',
214     PRIMARY KEY (`AUTH_ID`) USING HASH
215 ) ENGINE=MEMORY AUTO_INCREMENT=10021 DEFAULT CHARSET=utf8mb3
    ROW_FORMAT=DYNAMIC;
216

```

数据库-UAhouse

```

1  共6张表
2  CREATE TABLE `Contact` (
3      `contactId` int NOT NULL AUTO_INCREMENT,
4      `houseId` int NOT NULL,
5      `createTime` timestamp NULL DEFAULT CURRENT_TIMESTAMP,

```

```

6      `deleteMark` varchar(3) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci
      DEFAULT 'NO',
7      `content` varchar(200) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci NOT
      NULL,
8      `typeId` int NOT NULL,
9      PRIMARY KEY (`contactId`) USING BTREE
10 ) ENGINE=InnoDB AUTO_INCREMENT=82 DEFAULT CHARSET=utf8mb4
      COLLATE=utf8mb4_0900_ai_ci;
11
12 CREATE TABLE `contactType` (
13     `typeId` int NOT NULL AUTO_INCREMENT,
14     `createTime` timestamp NULL DEFAULT CURRENT_TIMESTAMP,
15     `deleteMark` varchar(3) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci
      DEFAULT 'NO',
16     `contactName` varchar(30) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci
      NOT NULL,
17     PRIMARY KEY (`typeId`) USING BTREE
18 ) ENGINE=InnoDB AUTO_INCREMENT=6 DEFAULT CHARSET=utf8mb4
      COLLATE=utf8mb4_0900_ai_ci;
19
20 CREATE TABLE `filename` (
21     `picId` int NOT NULL AUTO_INCREMENT,
22     `createTime` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP,
23     `deleteMark` varchar(255) NOT NULL DEFAULT 'NO',
24     `filePath` varchar(500) NOT NULL,
25     `houseId` int NOT NULL,
26     PRIMARY KEY (`picId`)
27 ) ENGINE=InnoDB AUTO_INCREMENT=24 DEFAULT CHARSET=utf8mb4
      COLLATE=utf8mb4_0900_ai_ci;
28
29 CREATE TABLE `HouseInfo` (
30     `houseId` int unsigned NOT NULL AUTO_INCREMENT,
31     `userId` int NOT NULL,
32     `createTime` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP,
33     `deleteMark` varchar(3) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci
      NOT NULL DEFAULT 'NO',
34     `title` varchar(200) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci
      DEFAULT 'WE CAN OFFER HELP',
35     `country` varchar(200) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci NOT
      NULL,
36     `province` varchar(200) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci
      NOT NULL,
37     `city` varchar(200) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci NOT
      NULL,
38     `address` varchar(500) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci
      DEFAULT NULL,
39     `guests` int DEFAULT '1',
40     `pets` varchar(3) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci DEFAULT
      'NO',
41     `duration` int DEFAULT '1',
42     `description` varchar(500) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci
      DEFAULT NULL,
43     `active` varchar(3) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci
      DEFAULT 'YES',
44     PRIMARY KEY (`houseId`) USING BTREE
45 ) ENGINE=InnoDB AUTO_INCREMENT=61 DEFAULT CHARSET=utf8mb4
      COLLATE=utf8mb4_0900_ai_ci;
46

```

```

47 CREATE TABLE `tag` (
48   `tagId` int NOT NULL AUTO_INCREMENT,
49   `houseId` int NOT NULL,
50   `createTime` timestamp NULL DEFAULT CURRENT_TIMESTAMP,
51   `deleteMark` varchar(3) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci
   DEFAULT 'NO',
52   `typeId` int NOT NULL,
53   PRIMARY KEY (`tagId`) USING BTREE
54 ) ENGINE=InnoDB AUTO_INCREMENT=143 DEFAULT CHARSET=utf8mb4
   COLLATE=utf8mb4_0900_ai_ci;
55
56 CREATE TABLE `tagType` (
57   `typeId` int NOT NULL AUTO_INCREMENT,
58   `createTime` timestamp NULL DEFAULT CURRENT_TIMESTAMP,
59   `deleteMark` varchar(3) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci
   DEFAULT 'NO',
60   `tagName` varchar(50) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci NOT
   NULL,
61   PRIMARY KEY (`typeId`) USING BTREE
62 ) ENGINE=InnoDB AUTO_INCREMENT=7 DEFAULT CHARSET=utf8mb4
   COLLATE=utf8mb4_0900_ai_ci;

```

数据库 UANews

```

1  一张表
2  CREATE TABLE `article` (
3    `articleId` int NOT NULL AUTO_INCREMENT COMMENT 'int文章的唯一ID',
4    `createTime` timestamp NULL DEFAULT CURRENT_TIMESTAMP,
5    `deleteMark` varchar(3) CHARACTER SET utf8mb3 COLLATE utf8_general_ci
   DEFAULT 'NO',
6    `author` int NOT NULL,
7    `title` varchar(100) NOT NULL COMMENT '标题',
8    `content` longtext NOT NULL COMMENT '文章的内容',
9    `status` int DEFAULT '1',
10   `groupId` int DEFAULT NULL,
11   PRIMARY KEY (`articleId`) USING BTREE
12 ) ENGINE=InnoDB AUTO_INCREMENT=42 DEFAULT CHARSET=utf8mb3;

```

附录2-nginx.conf

```

1  # For more information on configuration, see:
2  #   * Official English Documentation: http://nginx.org/en/docs/
3  #   * Official Russian Documentation: http://nginx.org/ru/docs/
4
5  user nginx;
6  worker_processes auto;
7  error_log /var/log/nginx/error.log;
8  pid /run/nginx.pid;
9
10 # Load dynamic modules. See /usr/share/nginx/README.dynamic.
11 include /usr/share/nginx/modules/*.conf;
12
13 events {
14     worker_connections 1024;
15 }

```

```
16
17 http {
18
19     log_format main '$remote_addr - $remote_user [$time_local] "$request"
20     ,
21     '$status $body_bytes_sent "$http_referer" '
22     '"$http_user_agent" "$http_x_forwarded_for"';
23
24     access_log /var/log/nginx/access.log main;
25
26     limit_req_zone $uri zone=api_read:20m rate=50r/s;
27
28     limit_conn_zone $binary_remote_addr zone=addr:10m;
29     limit_conn_zone $server_name zone=perserver_conn:100m;
30
31     sendfile on;
32     tcp_nopush on;
33     tcp_nodelay on;
34     keepalive_timeout 65;
35     types_hash_max_size 2048;
36
37     include /etc/nginx/mime.types;
38     default_type application/octet-stream;
39
40     # Load modular configuration files from the /etc/nginx/conf.d
41     directory.
42     # See http://nginx.org/en/docs/nginx\_core\_module.html#include
43     # for more information.
44     include /etc/nginx/conf.d/*.conf;
45
46     server {
47         listen 80 ;
48
49         server_name localhost;
50
51         location / {
52             root /uk/build;
53             index index.html;
54             try_files $uri /index.html;
55             # proxy_pass http://my_upstream;
56         }
57
58         error_page 404 /404.html;
59         location = /40x.html {
60         }
61
62         error_page 500 502 503 504 /50x.html;
63         location = /50x.html {
64         }
65     }
66
67     upstream gateway {
68
69         server 127.0.0.1:9001;
70         server 127.0.0.1:9002;
71         server 127.0.0.2:9011;
72     }
```

```

72
73
74     server {
75
76         listen      81;
77         server_name localhost;
78         root         /usr/share/nginx/html;
79
80     limit_req zone=api_read burst=100;
81     # limit_conn perip_conn 50;
82     limit_conn perserver_conn 200;
83
84         # Load configuration files for the default server block.
85         include /etc/nginx/default.d/*.conf;
86
87         location / {
88 #limit_req zone=api_read burst=100;
89 #limit_conn perip_conn 50;
90 #limit_conn perserver_conn 200;
91
92         proxy_pass http://gateway/;
93         proxy_connect_timeout 6000;
94         proxy_read_timeout 6000;
95         }
96
97         error_page 404 /404.html;
98             location = /40x.html {
99         }
100
101         error_page 500 502 503 504 /50x.html;
102             location = /50x.html {
103         }
104     }
105
106
107 # Settings for a TLS enabled server.
108 #
109 #     server {
110 #         listen      443 ssl http2 default_server;
111 #         listen      [::]:443 ssl http2 default_server;
112 #         server_name _;
113 #         root         /usr/share/nginx/html;
114 #
115 #         ssl_certificate "/etc/pki/nginx/server.crt";
116 #         ssl_certificate_key "/etc/pki/nginx/private/server.key";
117 #         ssl_session_cache shared:SSL:1m;
118 #         ssl_session_timeout 10m;
119 #         ssl_ciphers HIGH:!aNULL:!MD5;
120 #         ssl_prefer_server_ciphers on;
121 #
122 #         # Load configuration files for the default server block.
123 #         include /etc/nginx/default.d/*.conf;
124 #
125 #         location / {
126 #         }
127 #
128 #         error_page 404 /404.html;
129 #             location = /40x.html {

```

```

130 #      }
131 #
132 #      error_page 500 502 503 504 /50x.html;
133 #      location = /50x.html {
134 #      }
135 #    }
136
137 }
138
139

```

附录3-nginx配置

```

1  /*
2  Navicat MySQL Data Transfer
3  Source Server      : 1.15.150.139-MES
4  Source Server Version : 50736
5  Source Host        : 1.15.150.139:3306
6  Source Database     : nacos-mysql
7  Target Server Type  : MYSQL
8  Target Server Version : 50736
9  File Encoding       : 65001
10 Date: 2022-02-17 14:57:58
11 */
12
13 SET FOREIGN_KEY_CHECKS=0;
14
15 -- -----
16 -- Table structure for config_info
17 -- -----
18 DROP TABLE IF EXISTS `config_info`;
19 CREATE TABLE `config_info` (
20   `id` bigint(20) NOT NULL AUTO_INCREMENT COMMENT 'id',
21   `data_id` varchar(255) COLLATE utf8_bin NOT NULL COMMENT 'data_id',
22   `group_id` varchar(255) COLLATE utf8_bin DEFAULT NULL,
23   `content` longtext COLLATE utf8_bin NOT NULL COMMENT 'content',
24   `md5` varchar(32) COLLATE utf8_bin DEFAULT NULL COMMENT 'md5',
25   `gmt_create` datetime NOT NULL DEFAULT '2010-05-05 00:00:00' COMMENT '创建
时间',
26   `gmt_modified` datetime NOT NULL DEFAULT '2010-05-05 00:00:00' COMMENT '修
改时间',
27   `src_user` text COLLATE utf8_bin COMMENT 'source user',
28   `src_ip` varchar(20) COLLATE utf8_bin DEFAULT NULL COMMENT 'source ip',
29   `app_name` varchar(128) COLLATE utf8_bin DEFAULT NULL,
30   `tenant_id` varchar(128) COLLATE utf8_bin DEFAULT '' COMMENT '租户字段',
31   `c_desc` varchar(256) COLLATE utf8_bin DEFAULT NULL,
32   `c_use` varchar(64) COLLATE utf8_bin DEFAULT NULL,
33   `effect` varchar(64) COLLATE utf8_bin DEFAULT NULL,
34   `type` varchar(64) COLLATE utf8_bin DEFAULT NULL,
35   `c_schema` text COLLATE utf8_bin,
36   PRIMARY KEY (`id`),
37   UNIQUE KEY `uk_configinfo_datagrouptenant`
(`data_id`,`group_id`,`tenant_id`)
38 ) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_bin
COMMENT='config_info';
39
40 -- -----

```

```

41 -- Records of config_info
42 -----
43
44 -----
45 -- Table structure for config_info_aggr
46 -----
47 DROP TABLE IF EXISTS `config_info_aggr`;
48 CREATE TABLE `config_info_aggr` (
49   `id` bigint(20) NOT NULL AUTO_INCREMENT COMMENT 'id',
50   `data_id` varchar(255) COLLATE utf8_bin NOT NULL COMMENT 'data_id',
51   `group_id` varchar(255) COLLATE utf8_bin NOT NULL COMMENT 'group_id',
52   `datum_id` varchar(255) COLLATE utf8_bin NOT NULL COMMENT 'datum_id',
53   `content` longtext COLLATE utf8_bin NOT NULL COMMENT '内容',
54   `gmt_modified` datetime NOT NULL COMMENT '修改时间',
55   `app_name` varchar(128) COLLATE utf8_bin DEFAULT NULL,
56   `tenant_id` varchar(128) COLLATE utf8_bin DEFAULT '' COMMENT '租户字段',
57   PRIMARY KEY (`id`),
58   UNIQUE KEY `uk_configinfoaggr_datagrouptenantdatum`
59   (`data_id`,`group_id`,`tenant_id`,`datum_id`)
60 ) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_bin COMMENT='增加租户字段';
61 -----
62 -- Records of config_info_aggr
63 -----
64
65 -----
66 -- Table structure for config_info_beta
67 -----
68 DROP TABLE IF EXISTS `config_info_beta`;
69 CREATE TABLE `config_info_beta` (
70   `id` bigint(20) NOT NULL AUTO_INCREMENT COMMENT 'id',
71   `data_id` varchar(255) COLLATE utf8_bin NOT NULL COMMENT 'data_id',
72   `group_id` varchar(128) COLLATE utf8_bin NOT NULL COMMENT 'group_id',
73   `app_name` varchar(128) COLLATE utf8_bin DEFAULT NULL COMMENT 'app_name',
74   `content` longtext COLLATE utf8_bin NOT NULL COMMENT 'content',
75   `beta_ips` varchar(1024) COLLATE utf8_bin DEFAULT NULL COMMENT 'betaIps',
76   `md5` varchar(32) COLLATE utf8_bin DEFAULT NULL COMMENT 'md5',
77   `gmt_create` datetime NOT NULL DEFAULT '2010-05-05 00:00:00' COMMENT '创建
78   时间',
79   `gmt_modified` datetime NOT NULL DEFAULT '2010-05-05 00:00:00' COMMENT '修
80   改时间',
81   `src_user` text COLLATE utf8_bin COMMENT 'source user',
82   `src_ip` varchar(20) COLLATE utf8_bin DEFAULT NULL COMMENT 'source ip',
83   `tenant_id` varchar(128) COLLATE utf8_bin DEFAULT '' COMMENT '租户字段',
84   PRIMARY KEY (`id`),
85   UNIQUE KEY `uk_configinfobeta_datagrouptenant`
86   (`data_id`,`group_id`,`tenant_id`)
87 ) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_bin
88 COMMENT='config_info_beta';
89 -----
90
91 -----
92 -- Table structure for config_info_tag
93 -----
94 DROP TABLE IF EXISTS `config_info_tag`;

```



```

94 CREATE TABLE `config_info_tag` (
95     `id` bigint(20) NOT NULL AUTO_INCREMENT COMMENT 'id',
96     `data_id` varchar(255) COLLATE utf8_bin NOT NULL COMMENT 'data_id',
97     `group_id` varchar(128) COLLATE utf8_bin NOT NULL COMMENT 'group_id',
98     `tenant_id` varchar(128) COLLATE utf8_bin DEFAULT '' COMMENT 'tenant_id',
99     `tag_id` varchar(128) COLLATE utf8_bin NOT NULL COMMENT 'tag_id',
100     `app_name` varchar(128) COLLATE utf8_bin DEFAULT NULL COMMENT 'app_name',
101     `content` longtext COLLATE utf8_bin NOT NULL COMMENT 'content',
102     `md5` varchar(32) COLLATE utf8_bin DEFAULT NULL COMMENT 'md5',
103     `gmt_create` datetime NOT NULL DEFAULT '2010-05-05 00:00:00' COMMENT '创建
时间',
104     `gmt_modified` datetime NOT NULL DEFAULT '2010-05-05 00:00:00' COMMENT '修
改时间',
105     `src_user` text COLLATE utf8_bin COMMENT 'source user',
106     `src_ip` varchar(20) COLLATE utf8_bin DEFAULT NULL COMMENT 'source ip',
107     PRIMARY KEY (`id`),
108     UNIQUE KEY `uk_configinfotag_datagrouptenanttag`
(`data_id`,`group_id`,`tenant_id`,`tag_id`)
109 ) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_bin
COMMENT='config_info_tag';
110
111 -- -----
112 -- Records of config_info_tag
113 -- -----
114
115 -- -----
116 -- Table structure for config_tags_relation
117 -- -----
118 DROP TABLE IF EXISTS `config_tags_relation`;
119 CREATE TABLE `config_tags_relation` (
120     `id` bigint(20) NOT NULL COMMENT 'id',
121     `tag_name` varchar(128) COLLATE utf8_bin NOT NULL COMMENT 'tag_name',
122     `tag_type` varchar(64) COLLATE utf8_bin DEFAULT NULL COMMENT 'tag_type',
123     `data_id` varchar(255) COLLATE utf8_bin NOT NULL COMMENT 'data_id',
124     `group_id` varchar(128) COLLATE utf8_bin NOT NULL COMMENT 'group_id',
125     `tenant_id` varchar(128) COLLATE utf8_bin DEFAULT '' COMMENT 'tenant_id',
126     `nid` bigint(20) NOT NULL AUTO_INCREMENT,
127     PRIMARY KEY (`nid`),
128     UNIQUE KEY `uk_configtagrelation_configidtag`
(`id`,`tag_name`,`tag_type`),
129     KEY `idx_tenant_id` (`tenant_id`)
130 ) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_bin
COMMENT='config_tag_relation';
131
132 -- -----
133 -- Records of config_tags_relation
134 -- -----
135
136 -- -----
137 -- Table structure for group_capacity
138 -- -----
139 DROP TABLE IF EXISTS `group_capacity`;
140 CREATE TABLE `group_capacity` (
141     `id` bigint(20) unsigned NOT NULL AUTO_INCREMENT COMMENT '主键ID',
142     `group_id` varchar(128) COLLATE utf8_bin NOT NULL DEFAULT '' COMMENT
'Group ID, 空字符表示整个集群',
143     `quota` int(10) unsigned NOT NULL DEFAULT '0' COMMENT '配额, 0表示使用默认
值',

```

```

144     `usage` int(10) unsigned NOT NULL DEFAULT '0' COMMENT '使用量',
145     `max_size` int(10) unsigned NOT NULL DEFAULT '0' COMMENT '单个配置大小上限,
单位为字节, 0表示使用默认值',
146     `max_aggr_count` int(10) unsigned NOT NULL DEFAULT '0' COMMENT '聚合子配置
最大个数, , 0表示使用默认值',
147     `max_aggr_size` int(10) unsigned NOT NULL DEFAULT '0' COMMENT '单个聚合数据
的子配置大小上限, 单位为字节, 0表示使用默认值',
148     `max_history_count` int(10) unsigned NOT NULL DEFAULT '0' COMMENT '最大变
更历史数量',
149     `gmt_create` datetime NOT NULL DEFAULT '2010-05-05 00:00:00' COMMENT '创建
时间',
150     `gmt_modified` datetime NOT NULL DEFAULT '2010-05-05 00:00:00' COMMENT '修
改时间',
151     PRIMARY KEY (`id`),
152     UNIQUE KEY `uk_group_id` (`group_id`)
153 ) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_bin COMMENT='集群、各Group
容量信息表';
154
155 -- -----
156 -- Records of group_capacity
157 -- -----
158
159 -- -----
160 -- Table structure for his_config_info
161 -- -----
162 DROP TABLE IF EXISTS `his_config_info`;
163 CREATE TABLE `his_config_info` (
164     `id` bigint(64) unsigned NOT NULL,
165     `nid` bigint(20) unsigned NOT NULL AUTO_INCREMENT,
166     `data_id` varchar(255) COLLATE utf8_bin NOT NULL,
167     `group_id` varchar(128) COLLATE utf8_bin NOT NULL,
168     `app_name` varchar(128) COLLATE utf8_bin DEFAULT NULL COMMENT 'app_name',
169     `content` longtext COLLATE utf8_bin NOT NULL,
170     `md5` varchar(32) COLLATE utf8_bin DEFAULT NULL,
171     `gmt_create` datetime NOT NULL DEFAULT '2010-05-05 00:00:00',
172     `gmt_modified` datetime NOT NULL DEFAULT '2010-05-05 00:00:00',
173     `src_user` text COLLATE utf8_bin,
174     `src_ip` varchar(20) COLLATE utf8_bin DEFAULT NULL,
175     `op_type` char(10) COLLATE utf8_bin DEFAULT NULL,
176     `tenant_id` varchar(128) COLLATE utf8_bin DEFAULT '' COMMENT '租户字段',
177     PRIMARY KEY (`nid`),
178     KEY `idx_gmt_create` (`gmt_create`),
179     KEY `idx_gmt_modified` (`gmt_modified`),
180     KEY `idx_did` (`data_id`)
181 ) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_bin COMMENT='多租户改造';
182
183 -- -----
184 -- Records of his_config_info
185 -- -----
186
187 -- -----
188 -- Table structure for roles
189 -- -----
190 DROP TABLE IF EXISTS `roles`;
191 CREATE TABLE `roles` (
192     `username` varchar(50) NOT NULL,
193     `role` varchar(50) NOT NULL
194 ) ENGINE=InnoDB DEFAULT CHARSET=utf8;

```

```

195
196 -- -----
197 -- Records of roles
198 -- -----
199 INSERT INTO `roles` VALUES ('nacos', 'ROLE_ADMIN');
200
201 -- -----
202 -- Table structure for tenant_capacity
203 -- -----
204 DROP TABLE IF EXISTS `tenant_capacity`;
205 CREATE TABLE `tenant_capacity` (
206   `id` bigint(20) unsigned NOT NULL AUTO_INCREMENT COMMENT '主键ID',
207   `tenant_id` varchar(128) COLLATE utf8_bin NOT NULL DEFAULT '' COMMENT
'Tenant ID',
208   `quota` int(10) unsigned NOT NULL DEFAULT '0' COMMENT '配额, 0表示使用默认
值',
209   `usage` int(10) unsigned NOT NULL DEFAULT '0' COMMENT '使用量',
210   `max_size` int(10) unsigned NOT NULL DEFAULT '0' COMMENT '单个配置大小上限,
单位为字节, 0表示使用默认值',
211   `max_aggr_count` int(10) unsigned NOT NULL DEFAULT '0' COMMENT '聚合子配置
最大个数',
212   `max_aggr_size` int(10) unsigned NOT NULL DEFAULT '0' COMMENT '单个聚合数据
的子配置大小上限, 单位为字节, 0表示使用默认值',
213   `max_history_count` int(10) unsigned NOT NULL DEFAULT '0' COMMENT '最大变
更历史数量',
214   `gmt_create` datetime NOT NULL DEFAULT '2010-05-05 00:00:00' COMMENT '创建
时间',
215   `gmt_modified` datetime NOT NULL DEFAULT '2010-05-05 00:00:00' COMMENT '修
改时间',
216   PRIMARY KEY (`id`),
217   UNIQUE KEY `uk_tenant_id` (`tenant_id`)
218 ) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_bin COMMENT='租户容量信息
表';
219
220 -- -----
221 -- Records of tenant_capacity
222 -- -----
223
224 -- -----
225 -- Table structure for tenant_info
226 -- -----
227 DROP TABLE IF EXISTS `tenant_info`;
228 CREATE TABLE `tenant_info` (
229   `id` bigint(20) NOT NULL AUTO_INCREMENT COMMENT 'id',
230   `kp` varchar(128) COLLATE utf8_bin NOT NULL COMMENT 'kp',
231   `tenant_id` varchar(128) COLLATE utf8_bin DEFAULT '' COMMENT 'tenant_id',
232   `tenant_name` varchar(128) COLLATE utf8_bin DEFAULT '' COMMENT
'tenant_name',
233   `tenant_desc` varchar(256) COLLATE utf8_bin DEFAULT NULL COMMENT
'tenant_desc',
234   `create_source` varchar(32) COLLATE utf8_bin DEFAULT NULL COMMENT
'create_source',
235   `gmt_create` bigint(20) NOT NULL COMMENT '创建时间',
236   `gmt_modified` bigint(20) NOT NULL COMMENT '修改时间',
237   PRIMARY KEY (`id`),
238   UNIQUE KEY `uk_tenant_info_kptenantid` (`kp`, `tenant_id`),
239   KEY `idx_tenant_id` (`tenant_id`)

```

```
240 ) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_bin
    COMMENT='tenant_info';
241
242 -- -----
243 -- Records of tenant_info
244 -- -----
245
246 -- -----
247 -- Table structure for users
248 -- -----
249 DROP TABLE IF EXISTS `users`;
250 CREATE TABLE `users` (
251   `username` varchar(50) NOT NULL,
252   `password` varchar(500) NOT NULL,
253   `enabled` tinyint(1) NOT NULL,
254   PRIMARY KEY (`username`)
255 ) ENGINE=InnoDB DEFAULT CHARSET=utf8;
256
257 -- -----
258 -- Records of users
259 -- -----
260 INSERT INTO `users` VALUES ('nacos',
    '$2a$10$EuWPZHzz32dJN7jexM34MOeYi rDdFAZm2kuWj7VEOJhhZkDrxfvUu', '1');
```