麦聪 DaaS 平台

升级文档

版本 ： 3.6.1

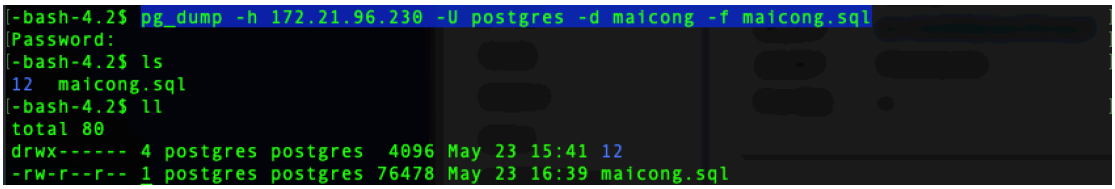
麦聪软件

目录

1 准备工作

1.1 备份 POSTGRESQL 数据库

- 备份
  执行备份命令 `pg_dump -h <本机 IP> -U postgres -d maicong -f maicong.sql`，后输入密码.



Tip

v -h: 数据库所在 ip 地址
v -U: 用户名
v -d: 需要备份的数据库名
v -f: 保存的文件名

1.2 准备安装包

- 访问下载页面 http://www.maicongs.com/#/home/probation
  选择合适的软件版本，点击下载

- 安装包移动到服务器并解压
  解压
  `unzip maicongsoftware_3.1.0.2.zip`

```
[root@node1 software]# unzip maicongsoftware_3.1.0.2.zip
Archive:  maicongsoftware_3.1.0.2.zip
   creating: maicongsoftware_3.1.0.2/
  inflating: maicongsoftware_3.1.0.2/maicong-daas.sh
   creating: maicongsoftware_3.1.0.2/static/
  inflating: maicongsoftware_3.1.0.2/static/d70ab0885fcc546aaf5eee0c5fca6278.js
 extracting: maicongsoftware_3.1.0.2/static/8e81f51d2e7be98e9e45fe93239c7e99.js.gz
 extracting: maicongsoftware_3.1.0.2/static/2f1b71c04ca88bae69f1798880dbc985.js.gz
```

2 升级麦聪软件麦聪 DaaS 平台

2.1 暂停服务

- cd 到原安装目录
  `cd maicongsoftware_3.1.0.2`

- 暂停服务
  `./maicong-daas.sh stop`

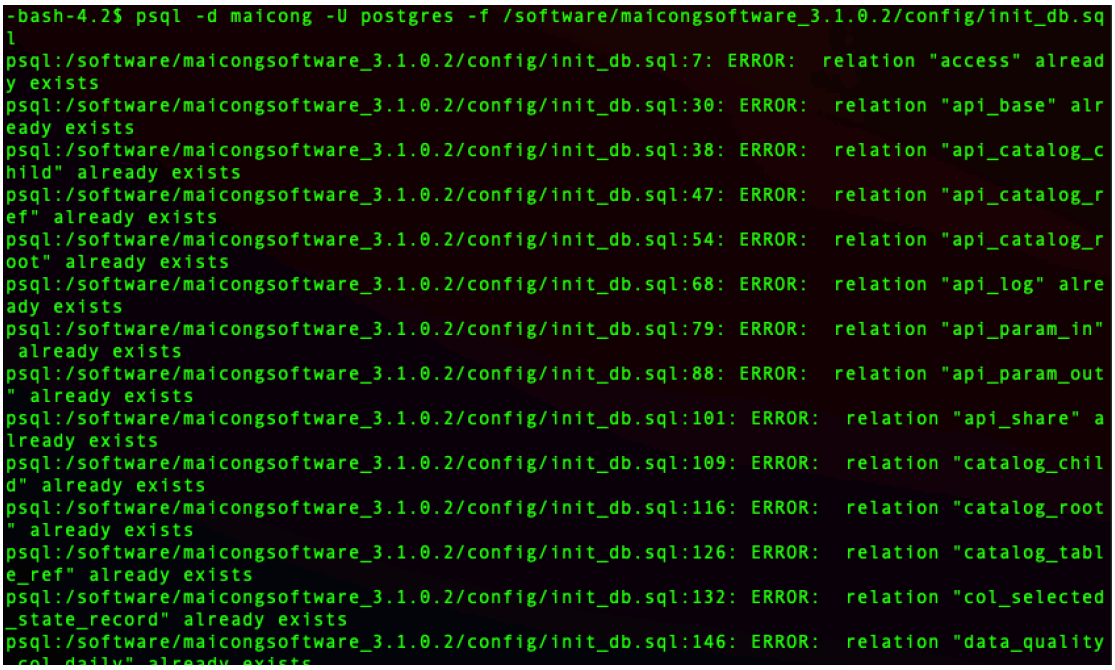
```
[root@node1 maicongsoftware_3.1.0]# ./maicong-daas.sh stop
maicong-daas server is stopped.
```

2.2 升级服务

2.2.1 升级 PostgreSQL 的系统库

进入安装 Postgresql 的机器上

- 执行升级数据库脚本：
  命令：psql -h <本机 IP> -d maicong -U postgres -f /<安装文件解压地址>/config/init_db.sql

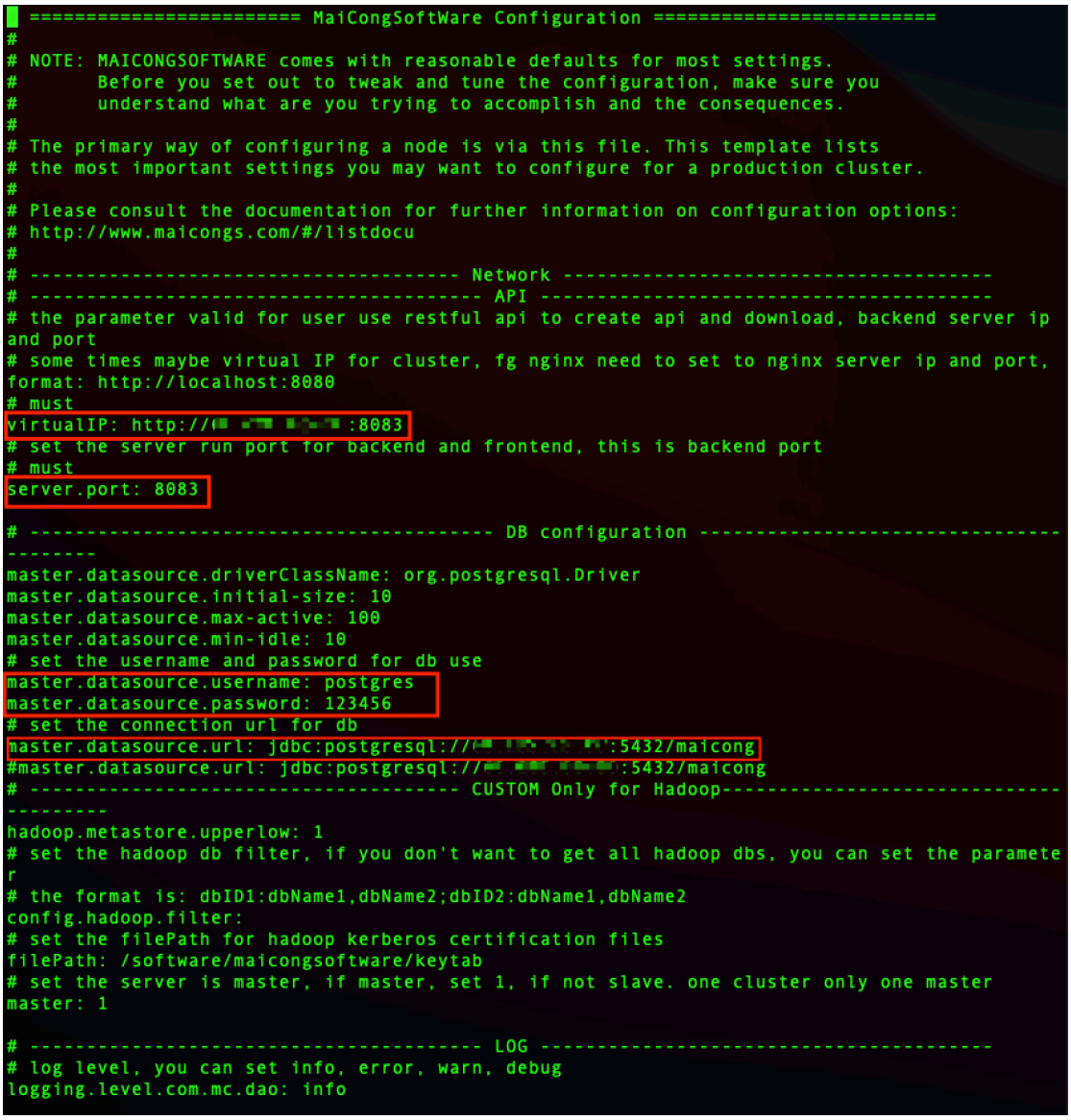


Note

升级与初始化共用“init_db.sql”，存在多个建表语句，但是该表本身已存在，所以会报错，如下图出现多个 ERROR，不必担心

2.2.2 配置参数

- 修改产品配置 修改 config/maicong.yaml 文件
  yaml 文件中的冒号“:”后面要有一个英文的空格



```
# ======================== MaiCongSoftWare Configuration =========================
#
# NOTE: MAICONGSOFTWARE comes with reasonable defaults for most settings.
#       Before you set out to tweak and tune the configuration, make sure you
#       understand what are you trying to accomplish and the consequences.
#
# The primary way of configuring a node is via this file. This template lists
# the most important settings you may want to configure for a production cluster.
#
# Please consult the documentation for further information on configuration options:
# http://www.maicongs.com/#/listdocu
#
# ----------------------------------- Network -----------------------------------
# ------------------------------------- API -------------------------------------
# the parameter valid for user use restful api to create api and download, backend server ip
and port
# some times maybe virtual IP for cluster, fg nginx need to set to nginx server ip and port,
format: http://localhost:8080
# must
virtualIP: http://[redacted]:8083
# set the server run port for backend and frontend, this is backend port
# must
server.port: 8083

# ------------------------------------- DB configuration ------------------------------
--------
master.datasource.driverClassName: org.postgresql.Driver
master.datasource.initial-size: 10
master.datasource.max-active: 100
master.datasource.min-idle: 10
# set the username and password for db use
master.datasource.username: postgres
master.datasource.password: 123456
# set the connection url for db
master.datasource.url: jdbc:postgresql://[redacted]:5432/maicong
#master.datasource.url: jdbc:postgresql://[redacted]:5432/maicong
# ----------------------------------- CUSTOM Only for Hadoop----------------------------
---------
hadoop.metastore.upperlow: 1
# set the hadoop db filter, if you don't want to get all hadoop dbs, you can set the paramete
r
# the format is: dbID1:dbName1,dbName2;dbID2:dbName1,dbName2
config.hadoop.filter:
# set the filePath for hadoop kerberos certification files
filePath: /software/maicongsoftware/keytab
# set the server is master, if master, set 1, if not slave. one cluster only one master
master: 1

# ------------------------------------- LOG -------------------------------------
# log level, you can set info, error, warn, debug
logging.level.com.mc.dao: info
```

virtualIP: 服务器地址:端口

server.port: 默认系统启动端口

master.datasource.password: PostgreSQL 的连接密码（冒号后需带空格）

master.datasource.url: PostgreSQL 数据库中相应的连接字符串：有 IP，端口和数据库名称（此处为 maicong，应为初次安装 POSTGRESQL12 步骤创建的数据库名称为"maicong"）

filePath: Hadoop 存入 kerberos keytab 的路径（如果连接 Hadoop Kerberos 需要配置，否则不需要。

- 修改前端连接后端的地址和端口 修改 static/config.js 文件
  将 IP:Port，指向应用服务器安装的地址和端口

```
window.global_config = {
  BASE_URL: "http://(  ):8083/",
};
```

- 配置 java 启动内存
  `vi maicong-daas.sh`
  修改-xms 和 -xmx 为启动内存和最大内存

```
#!/bin/bash
SIGNAL=${SIGNAL:-TERM}
SHELL_FOLDER=$(cd "$(dirname "$0")";pwd)
APP_JAR=$(cd $SHELL_FOLDER;ls Maicong-DaaS-*.jar)
LOG_PATH=$SHELL_FOLDER/log
PID=""
CMD=""

JAVA_OPTS="
-server
-Xms2g
-Xmx4g
-XX:+UseG1GC
-XX:+UseStringDeduplication
-XX:+AlwaysPreTouch
-XX:+PrintGCDetails
-XX:+PrintGCTimeStamps
-XX:+PrintGCCause
-Xloggc:$LOG_PATH/maicong-daas-gc.log
-XX:+HeapDumpOnOutOfMemoryError
-XX:HeapDumpPath=$LOG_PATH/maicong-daas-heapdump
-Dfile.encoding=utf-8"

start(){
  if [ -n "$PID" ]; then
    echo -e "\e[33mmaicong-daas server is running \e[0m"
```

2.3 启动软件

- 添加启动文件 app.sh 的执行权限
  `chmod +x maicong-daas.sh`

- 启动应用：`./maicong-daas.sh start`

```
[root@node1 maicongsoftware_3.1.0.2]# chmod +x maicong-daas.sh
[root@node1 maicongsoftware_3.1.0.2]# ./maicong-daas.sh start
                                                    _
 _ __ ___   __ _(_) ___ ___  _ __   __ _     __| | __ _  __ _ ___
| '_ ` _ \ / _` | |/ __/ _ \| '_ \ / _` |   / _` |/ _` |/ _` / __|
| | | | | | (_| | | (_| (_) | | | | (_| |  | (_| | (_| | (_| \__ \
|_| |_| |_|\__,_|_|\___\___/|_| |_|\__, |   \__,_|\__,_|\__,_|___/
                                   |___/

maicong-daas server is started.
JAVA_OPTS:
-server
-Xms2g
-Xmx4g
-XX:+UseG1GC
-XX:+UseStringDeduplication
-XX:+AlwaysPreTouch
-XX:+PrintGCDetails
-XX:+PrintGCTimeStamps
-XX:+PrintGCCause
-Xloggc:/software/maicongsoftware_3.1.0.2/log/maicong-daas-gc.log
-XX:+HeapDumpOnOutOfMemoryError
-XX:HeapDumpPath=/software/maicongsoftware_3.1.0.2/log/maicong-daas-heapdump
-Dfile.encoding=utf-8
```

- 停止应用：`./maicong-daas.sh stop`
- 附：日志文件在 log/maicong-daas-console.log

```
2022-05-23 17:00:56.830 [main] INFO  com.mc.MainApplication - Starting MainApplication v3.1.0
.1-release on node1 with PID 2371 (/software/maicongsoftware_3.1.0.2/Maicong-DaaS-3.1.0.1-rel
ease.jar started by root in /software/maicongsoftware_3.1.0.2)
2022-05-23 17:00:56.834 [main] INFO  com.mc.MainApplication - No active profile set, falling
back to default profiles: default
2022-05-23 17:00:58.918 [main] INFO  o.s.boot.web.embedded.tomcat.TomcatWebServer - Tomcat in
itialized with port(s): 8083 (http)
2022-05-23 17:00:58.936 [main] INFO  org.apache.coyote.http11.Http11NioProtocol - Initializin
g ProtocolHandler ["http-nio-8083"]
2022-05-23 17:00:58.937 [main] INFO  org.apache.catalina.core.StandardService - Starting serv
ice [Tomcat]
2022-05-23 17:00:58.937 [main] INFO  org.apache.catalina.core.StandardEngine - Starting Servl
et engine: [Apache Tomcat/9.0.27]
2022-05-23 17:00:59.034 [main] INFO  o.a.c.core.ContainerBase.[Tomcat].[localhost].[/] - Init
ializing Spring embedded WebApplicationContext
2022-05-23 17:00:59.034 [main] INFO  org.springframework.web.context.ContextLoader - Root Web
ApplicationContext: initialization completed in 2132 ms
2022-05-23 17:01:00.851 [main] INFO  o.s.scheduling.concurrent.ThreadPoolTaskExecutor - Initi
alizing ExecutorService
2022-05-23 17:01:00.852 [main] INFO  o.s.scheduling.concurrent.ThreadPoolTaskExecutor - Initi
alizing ExecutorService 'exportExecutor'
2022-05-23 17:01:01.191 [main] INFO  o.s.b.a.web.servlet.WelcomePageHandlerMapping - Adding w
elcome page: ServletContext resource [/index.html]
2022-05-23 17:01:01.497 [main] INFO  o.s.scheduling.concurrent.ThreadPoolTaskScheduler - Init
ializing ExecutorService 'taskScheduler'
2022-05-23 17:01:01.572 [main] INFO  org.apache.coyote.http11.Http11NioProtocol - Starting Pr
otocolHandler ["http-nio-8083"]
2022-05-23 17:01:01.621 [main] INFO  org.mortbay.log - Logging to Logger[org.mortbay.log] via
 org.mortbay.log.Slf4jLog
2022-05-23 17:01:01.647 [main] INFO  o.s.boot.web.embedded.tomcat.TomcatWebServer - Tomcat st
arted on port(s): 8083 (http) with context path ''
2022-05-23 17:01:01.652 [main] INFO  com.mc.MainApplication - Started MainApplication in 6.32
3 seconds (JVM running for 8.028)
2022-05-23 17:01:02.012 [main] INFO  com.alibaba.druid.pool.DruidDataSource - {dataSource-1}
inited
maicong-daas.log (END)
```

2.4 验证

测试登录，访问 ip:port，并使用原用户密码登陆

3 回滚

若新版本安装失败，则需要恢复数据库并使用老版本软件重新启动应用。**本操作仅在安装失败时需要进行，请谨慎操作。**

3.1 还原数据库

- 删除数据库：maicong（可根据实际数据库名）

  进入 psql

  `psql -h <本机 IP> -U postgres`

```
[root@node1 software]# psql -h 172.17.82.137 -U postgres
用户 postgres 的口令：
psql (12.3)
输入 "help" 来获取帮助信息.
```

  执行命令：`drop database maicong;`

```
-bash-4.2$ psql
psql (12.3)
Type "help" for help.

postgres=> \l
                                  List of databases
   Name    |  Owner   | Encoding |   Collate   |    Ctype    |   Access privileges
-----------+----------+----------+-------------+-------------+-----------------------
 maicong   | postgres | UTF8     | en_US.UTF-8 | en_US.UTF-8 |
 postgres  | postgres | UTF8     | en_US.UTF-8 | en_US.UTF-8 |
 template0 | postgres | UTF8     | en_US.UTF-8 | en_US.UTF-8 | =c/postgres          +
           |          |          |             |             | postgres=CTc/postgres
 template1 | postgres | UTF8     | en_US.UTF-8 | en_US.UTF-8 | =c/postgres          +
           |          |          |             |             | postgres=CTc/postgres
(4 rows)

postgres=> drop database maicong;
DROP DATABASE
postgres=> \l
                                  List of databases
   Name    |  Owner   | Encoding |   Collate   |    Ctype    |   Access privileges
-----------+----------+----------+-------------+-------------+-----------------------
 postgres  | postgres | UTF8     | en_US.UTF-8 | en_US.UTF-8 |
 template0 | postgres | UTF8     | en_US.UTF-8 | en_US.UTF-8 | =c/postgres          +
           |          |          |             |             | postgres=CTc/postgres
 template1 | postgres | UTF8     | en_US.UTF-8 | en_US.UTF-8 | =c/postgres          +
           |          |          |             |             | postgres=CTc/postgres
(3 rows)
```

- 新建数据库：maicong（可用任何名字）

  执行命令：`create database maicong;`

```
-bash-4.2$ psql
psql (12.3)
Type "help" for help.

postgres=# create database maicong;
CREATE DATABASE
postgres=#
```

- 执行还原命令 `psql -h <数据库 IP> -U postgres -d maicong -f maicong.sql`，后输入密码.

```
-bash-4.2$ psql -h 172.21.96.230 -U postgres -d maicong -f maicong.sql
Password for user postgres:
SET
SET
SET
SET
SET
 set_config
------------

(1 row)

SET
SET
SET
SET
SET
SET
CREATE TABLE
ALTER TABLE
CREATE SEQUENCE
```

Tip

v -h: 数据库所在 ip 地址
v -U: 用户名

v -d: 需要还原的数据库名
v -f: 备份的文件名

3.2 重启服务

进入老版本程序目录，执行命令：`./maicong-daas.sh start`

Note

启动的是老版本目录下的产品