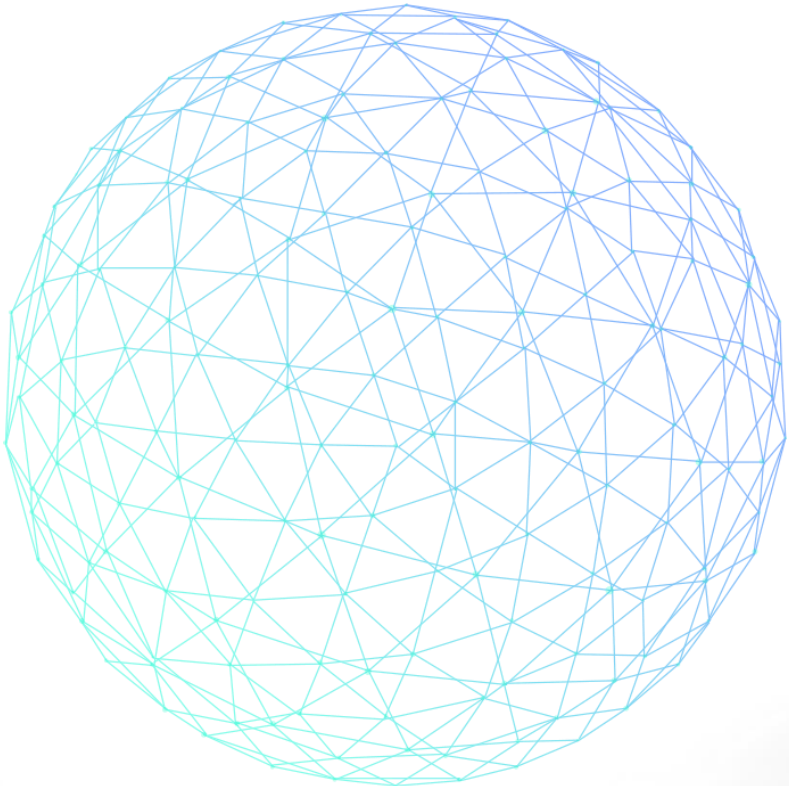
DaaS Platform

Deployment on Virtual Machine



【Version ： 3.6.1】

Menu

1. Environment Preparation

1.1 Environment Check

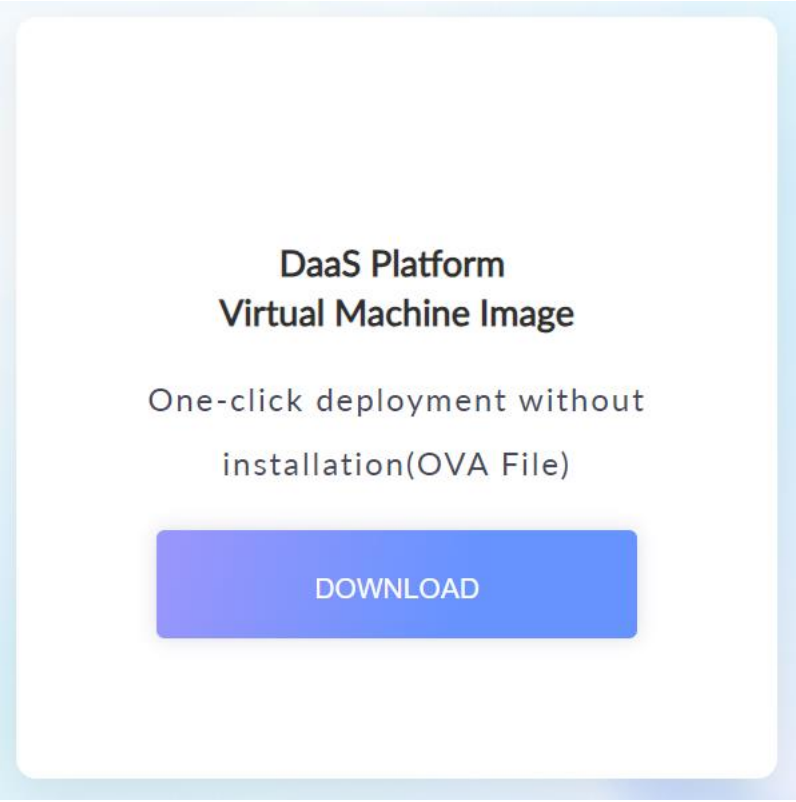
Ensure the virtual machine can import ova files. VMware or VirtualBox is recommended. The following example is based on VirtualBox.

The hardware resource should at least support **2 CPUs and 4GB RAM**. It is recommended to have at least **4 CPUs and 8GB RAM.**

1.2 Download Virtual Machine File

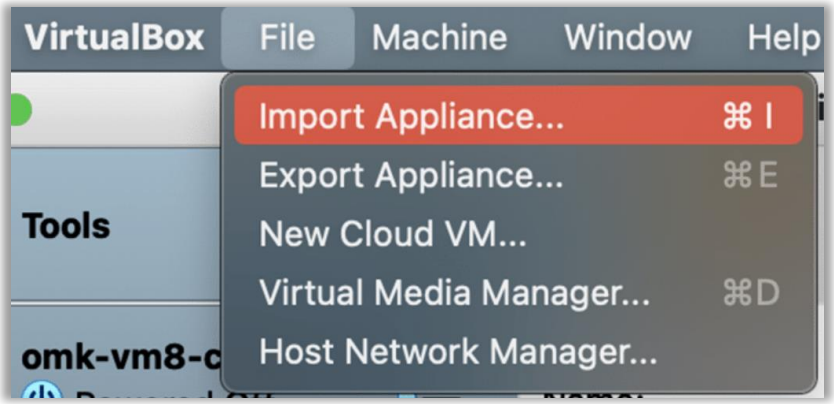
Visit the download page https://www.sqlynx.com

Select the virtual machine image and click to download.

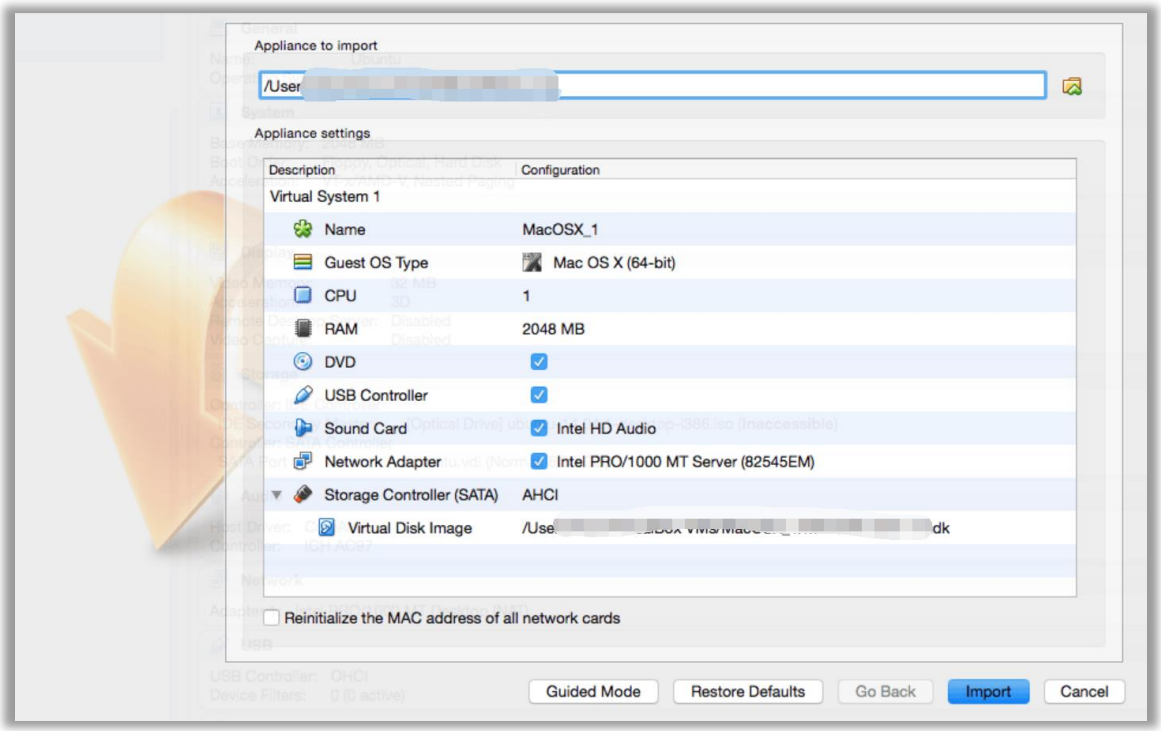


2. Import Image (Example with VirtualBox)

Import ova File



Choose the local ova file path and click continue.

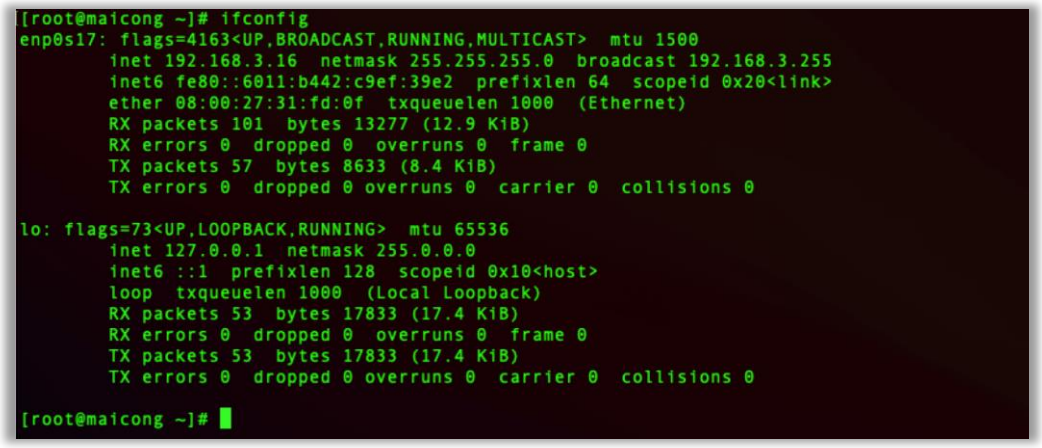


Select “Import,” and after completion, start the virtual machine.

3. Configure Environment

3.1 Log in to the system and configure IP settings

Default username and password: root/maicong

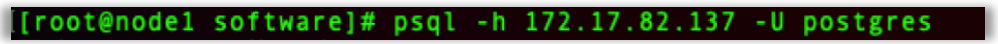


3.2 Check the Database

Log in to the database: maicong

Enter psql

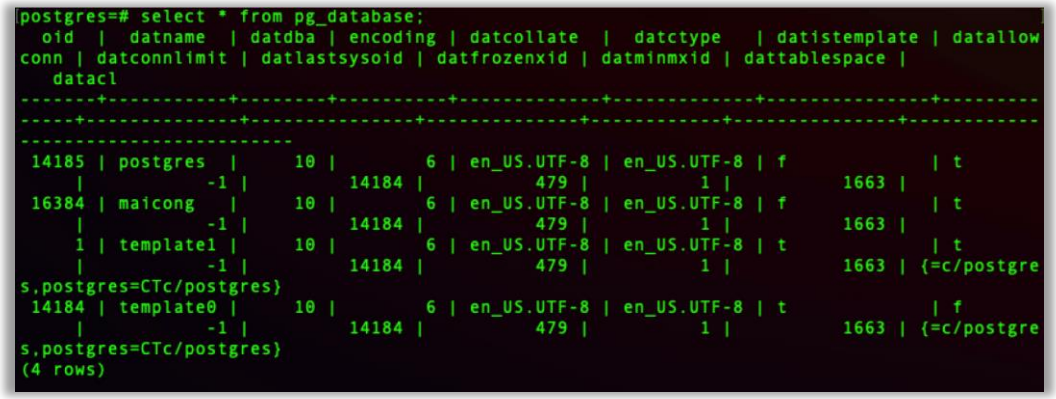
```
psql -h <local IP> -U postgres
```



View the databases created:

```
select * from pg_database;
```

If the database is not started, follow the PostgreSQL documentation to start the database.



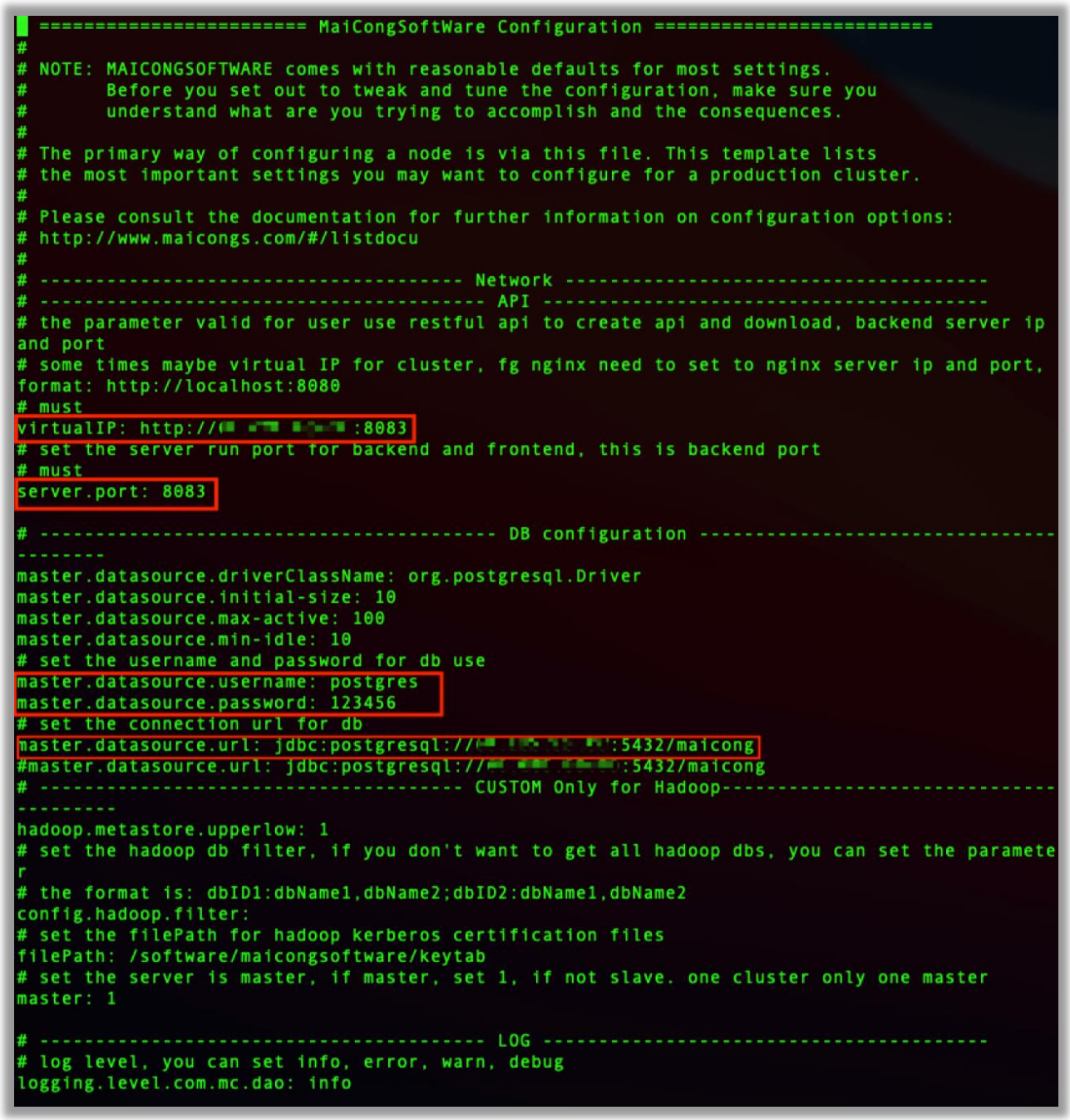
3.3 Modify Configuration Files

3.3.1 Modify the config/maicong.yaml File

Enter the maicongsoftware_<actual version number> directory and update the configuration file according to the example.

```
vi config/maicong.yaml
```

***Note:** There should be an English space after the colon ":".



***Note:**

virtualIP: Server address:port

server.port: Default system start-up port

master.datasource.password: PostgreSQL connection password (a space is required after the colon)

master.datasource.url: The connection string in the PostgreSQL database includes IP, port, and database name (here as maicong, which is the database name created in the initial installation of POSTGRESQL12)

filePath: Path to store the Kerberos keytab in Hadoop (this needs to be configured if connecting to Hadoop Kerberos, otherwise not needed).

3.3.2 Modify the static/config.js File

BASE_URL= “Local backend address: port”

vi static/config.js

3.4 Start the Software

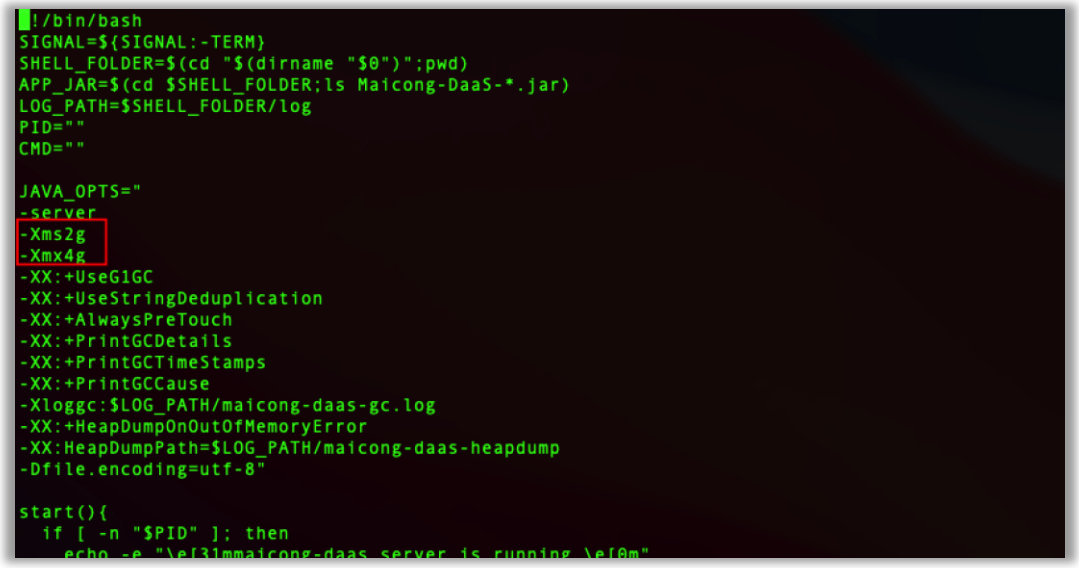
Add execution permission to the startup file app.sh

chmod +x maicong-daas.sh

Configure Java startup memory

vi maicong-daas.sh

Modify -xms and -xmx for startup and maximum memory (adjust according to the actual server situation)



Start the application:

```
./maicong-daas.sh start
```

***Note:** The system needs to be started in the folder where maicong-daas.sh is located.

Stop the application:

```
./maicong-daas.sh stop
```

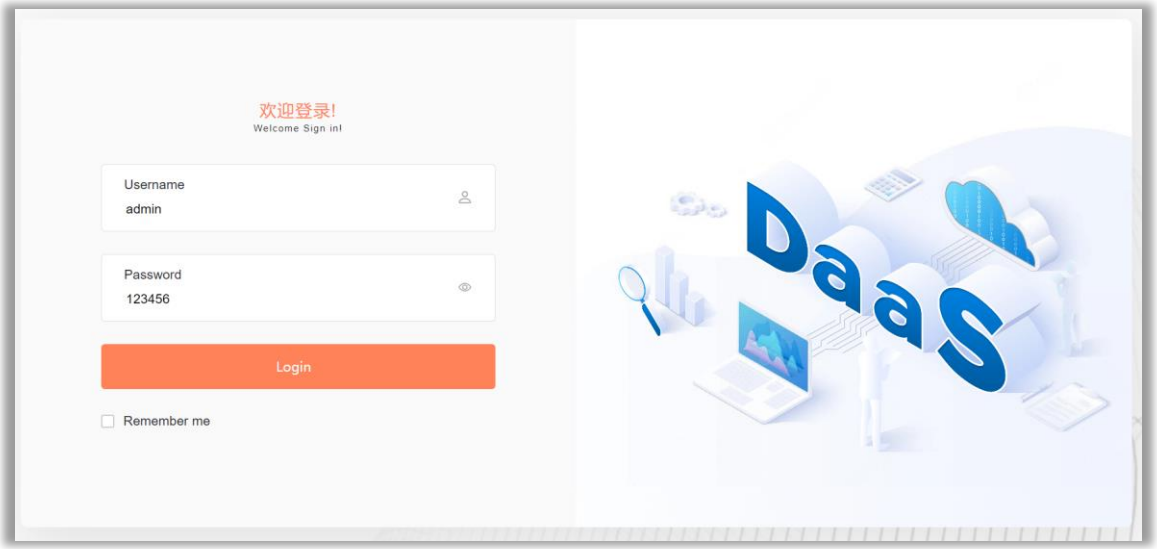
***Note:** The log file is in log/maicong-daas-console.log

```
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)
```

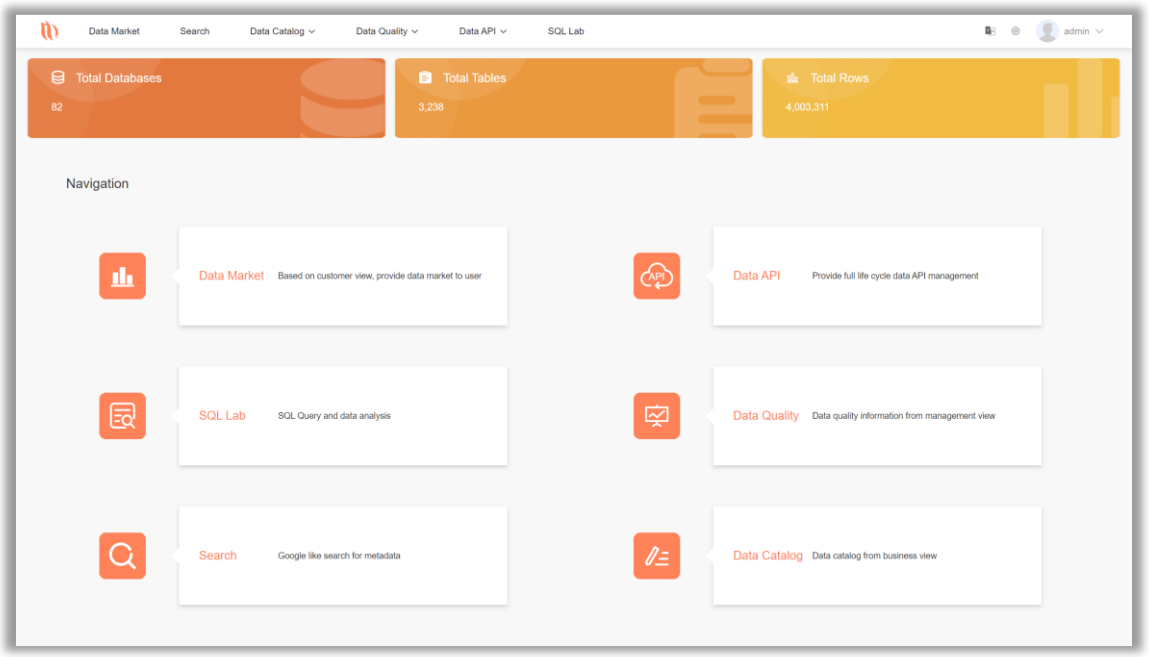
3.5 Verify Installation

Test Login

Visit ip:port



If this interface is displayed, it means login is successful.



Enter the initial username and password: admin/123456 to log in and proceed with further configuration.