SQLynx-企业版

安装文档

【版本：v2.0.2】

北京麦聪软件有限公司

目 录

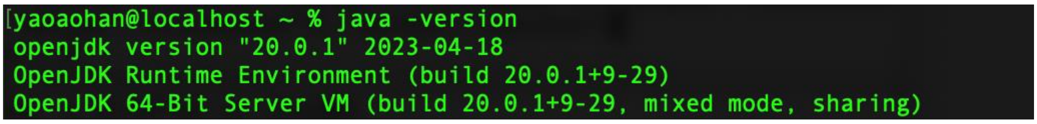
1. Linux 操作系统

1.1 环境检查

SQLynx 提供了自带 JDK 和无 JDK 两个安装包版本，可根据自身需要选择安装包。打开终端执行命令查看 JDK 是否安装以及安装的 JDK 版本，需要 JDK1.8 或以上版本

打开终端执行命令检查 JDK 版本,需要 JDK1.8 或以上版本：

```
java -version
```



```
[yaoaohan@localhost ~ % java -version
openjdk version "20.0.1" 2023-04-18
OpenJDK Runtime Environment (build 20.0.1+9-29)
OpenJDK 64-Bit Server VM (build 20.0.1+9-29, mixed mode, sharing)
```

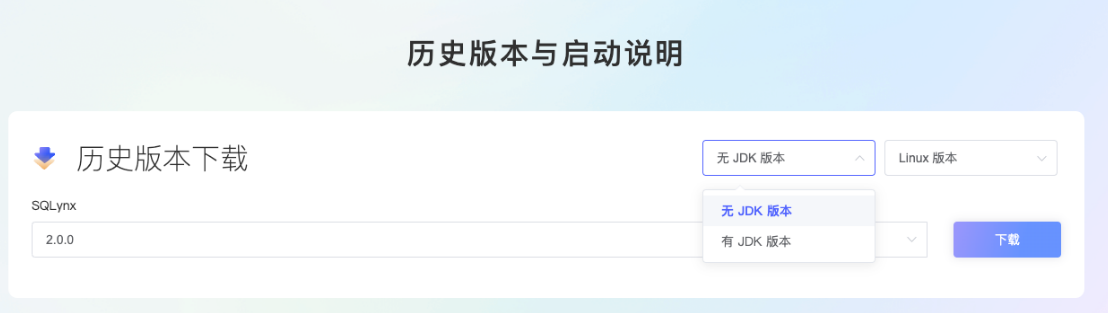
如果没有安装 1.8 及以上版本 JDK，则需要下载自带 JDK 版本安装包，或者自行安装 JDK 后再下载无 JDK 版本安装包。

注：自带 JDK 的安装包中的 JDK 只支持 AMD64(x86)架构，如果服务器为其他架构，需要手动替换对应的 JDK。

1.2 安装 SQLynx 软件

1.2.1 下载安装包

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



以下步骤以无 JDK 版本为例，下载好的安装包名为：

sqlynx_enterprise_linux_no_jdk_2.0.0.zip

注：SQL Studio 现已更名为 SQLynx

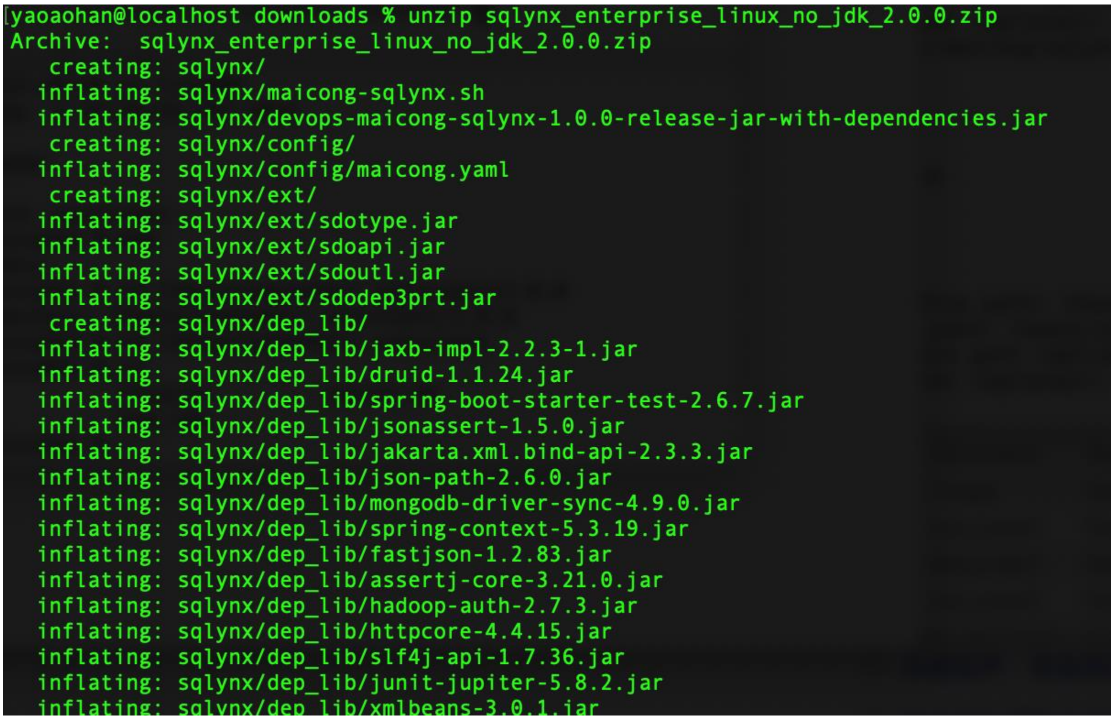
1.2.2 解压缩软件

解压安装包到当前文件夹，命令:

unzip <filename>

示例：

unzip sqlynx_enterprise_linux_no_jdk_2.0.0.zip



```
[yaoaohan@localhost downloads % unzip sqlynx_enterprise_linux_no_jdk_2.0.0.zip
Archive:  sqlynx_enterprise_linux_no_jdk_2.0.0.zip
   creating: sqlynx/
  inflating: sqlynx/maicong-sqlynx.sh
  inflating: sqlynx/devops-maicong-sqlynx-1.0.0-release-jar-with-dependencies.jar
   creating: sqlynx/config/
  inflating: sqlynx/config/maicong.yaml
   creating: sqlynx/ext/
  inflating: sqlynx/ext/sdotype.jar
  inflating: sqlynx/ext/sdoapi.jar
  inflating: sqlynx/ext/sdoutl.jar
  inflating: sqlynx/ext/sdodep3prt.jar
   creating: sqlynx/dep_lib/
  inflating: sqlynx/dep_lib/jaxb-impl-2.2.3-1.jar
  inflating: sqlynx/dep_lib/druid-1.1.24.jar
  inflating: sqlynx/dep_lib/spring-boot-starter-test-2.6.7.jar
  inflating: sqlynx/dep_lib/jsonassert-1.5.0.jar
  inflating: sqlynx/dep_lib/jakarta.xml.bind-api-2.3.3.jar
  inflating: sqlynx/dep_lib/json-path-2.6.0.jar
  inflating: sqlynx/dep_lib/mongodb-driver-sync-4.9.0.jar
  inflating: sqlynx/dep_lib/spring-context-5.3.19.jar
  inflating: sqlynx/dep_lib/fastjson-1.2.83.jar
  inflating: sqlynx/dep_lib/assertj-core-3.21.0.jar
  inflating: sqlynx/dep_lib/hadoop-auth-2.7.3.jar
  inflating: sqlynx/dep_lib/httpcore-4.4.15.jar
  inflating: sqlynx/dep_lib/slf4j-api-1.7.36.jar
  inflating: sqlynx/dep_lib/junit-jupiter-5.8.2.jar
  inflating: sqlynx/dep_lib/xmlbeans-3.0.1.jar
```

也可以解压到指定目录，解压安装包到指定目录命令

unzip <filename> -d <path>

若 unzip 未安装，可以执行以下命令安装

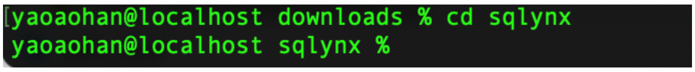
yum install -y unzip zip

1.2.3 启动 SQLynx

1、解压安装包后会产生一个名为 sqlynx 的文件夹，执行命令

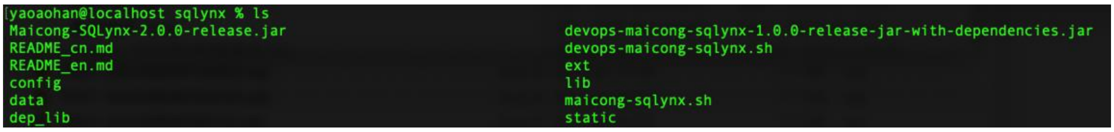
cd sqlynx

进入文件目录



```
[yaoaohan@localhost downloads % cd sqlynx
yaoaohan@localhost sqlynx %
```

2、执行 ls 命令，可以看到目录中有一个 maicong-sqlynx.sh 文件

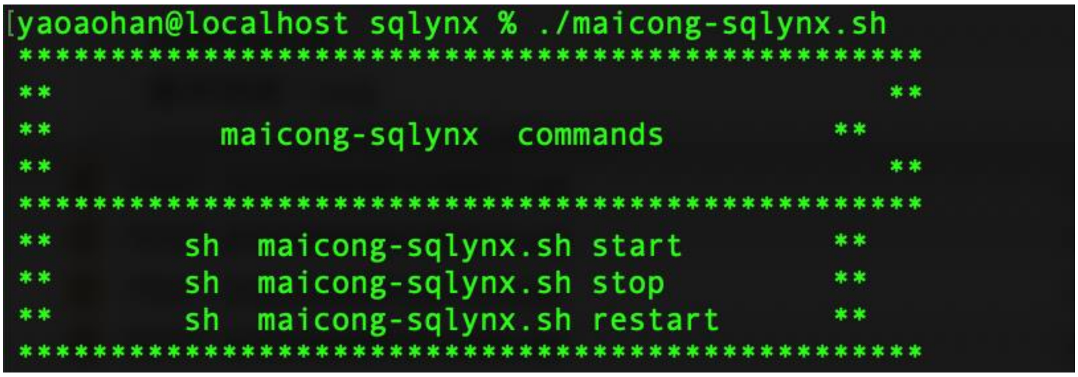


```
[yaoaohan@localhost sqlynx % ls
Maicong-SQLynx-2.0.0-release.jar                                    devops-maicong-sqlynx-1.0.0-release-jar-with-dependencies.jar
README_cn.md                                                        devops-maicong-sqlynx.sh
README_en.md                                                        ext
config                                                              lib
data                                                                maicong-sqlynx.sh
dep_lib                                                             static
```

3、执行命令：

./maicong-sqlynx.sh

显示以下提示内容：



```
[yaoaohan@localhost sqlynx % ./maicong-sqlynx.sh
****************************************************
**                                                **
**          maicong-sqlynx  commands           **
**                                                **
****************************************************
**        sh  maicong-sqlynx.sh start          **
**        sh  maicong-sqlynx.sh stop           **
**        sh  maicong-sqlynx.sh restart        **
****************************************************
```

显示的三条指令分别为：

sh maicong-sqlynx.sh start

启动服务

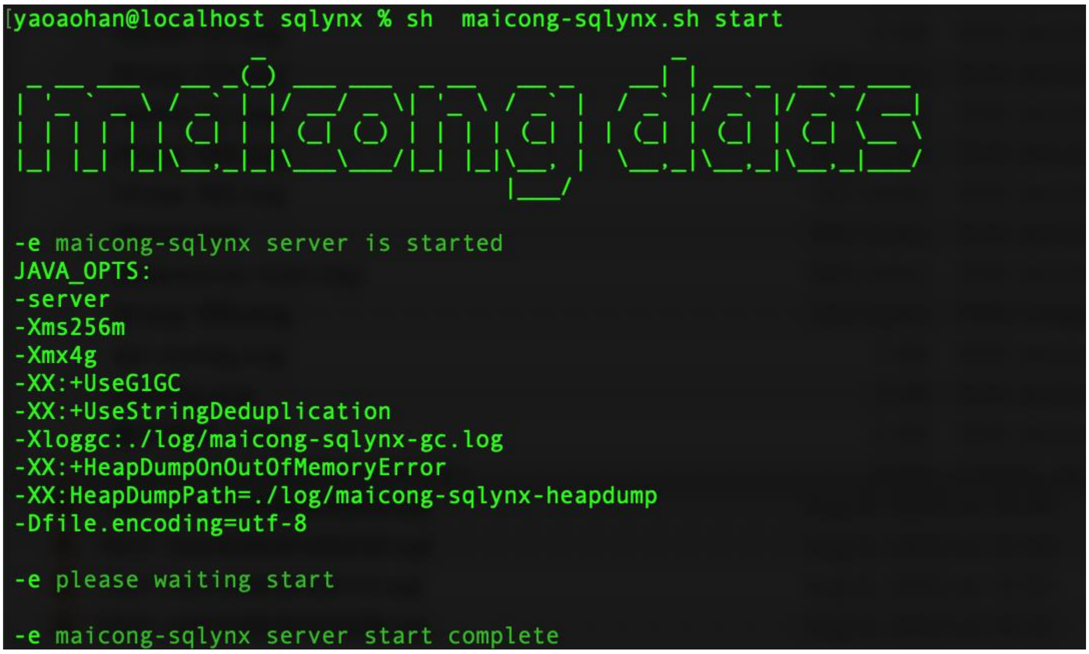
sh maicong-sqlynx.sh stop

停止服务

sh maicong-sqlynx.sh restart

重启服务

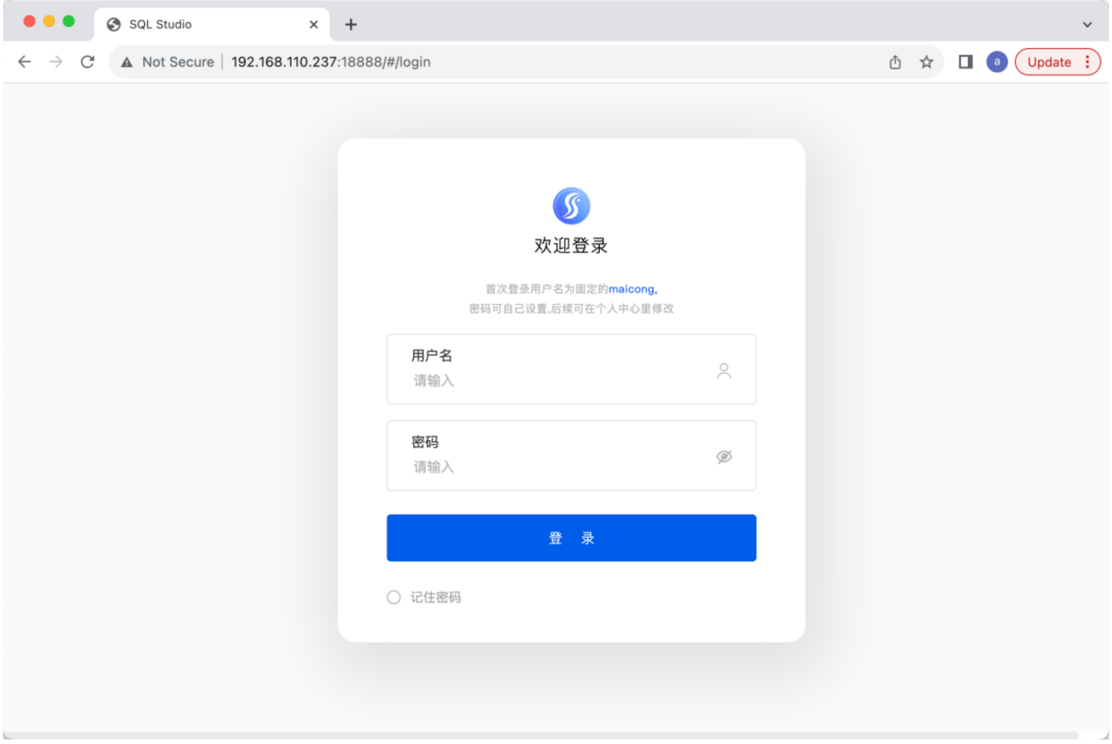
4、执行命令 sh maicong-sqlynx.sh start 启动服务



```
[yaoaohan@localhost sqlynx % sh  maicong-sqlynx.sh start

-e maicong-sqlynx server is started
JAVA_OPTS:
-server
-Xms256m
-Xmx4g
-XX:+UseG1GC
-XX:+UseStringDeduplication
-Xloggc:./log/maicong-sqlynx-gc.log
-XX:+HeapDumpOnOutOfMemoryError
-XX:HeapDumpPath=./log/maicong-sqlynx-heapdump
-Dfile.encoding=utf-8

-e please waiting start

-e maicong-sqlynx server start complete
```

5、启动后可使用浏览器登录 SQLynx web 页面：http://<服务器 ip 地址>:18888 ， 18888 为 SQLynx 安装后默认端口。

出现以下登录页面，表示 SQLynx 已安装成功。



欢迎登录

首次登录用户名为固定的maicong,
密码可自己设置,后续可在个人中心里修改

用户名
请输入

密码
请输入

登 录

○ 记住密码

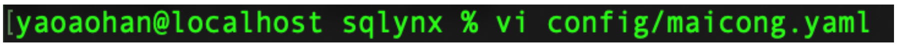
初始用户名：maicong　　密码：由用户输入设定

1.2.4 修改配置

1.2.4.1 修改端口号

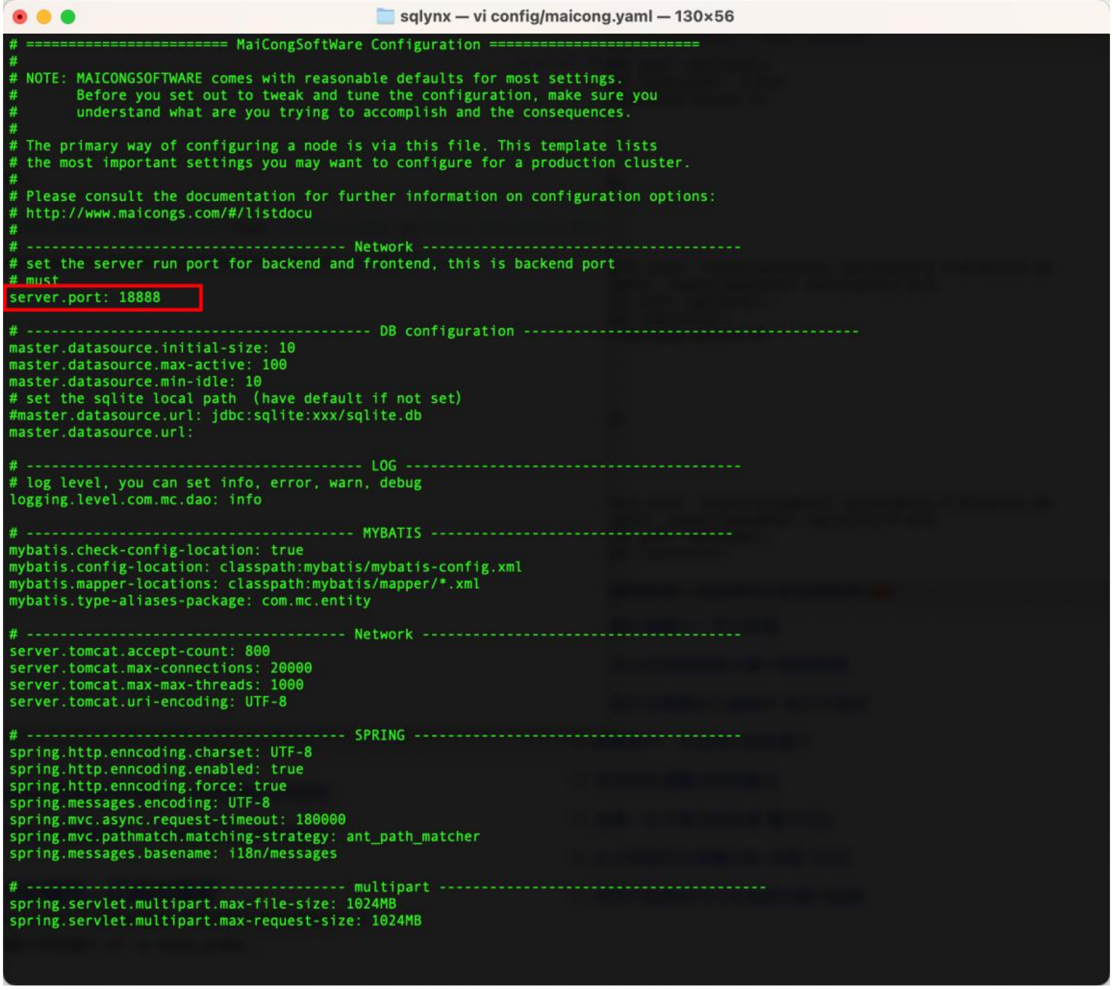
进入 sqlynx 目录,按照示例更新配置文件。

1、执行命令 vi config/maicong.yaml



```
yaoaohan@localhost sqlynx % vi config/maicong.yaml
```

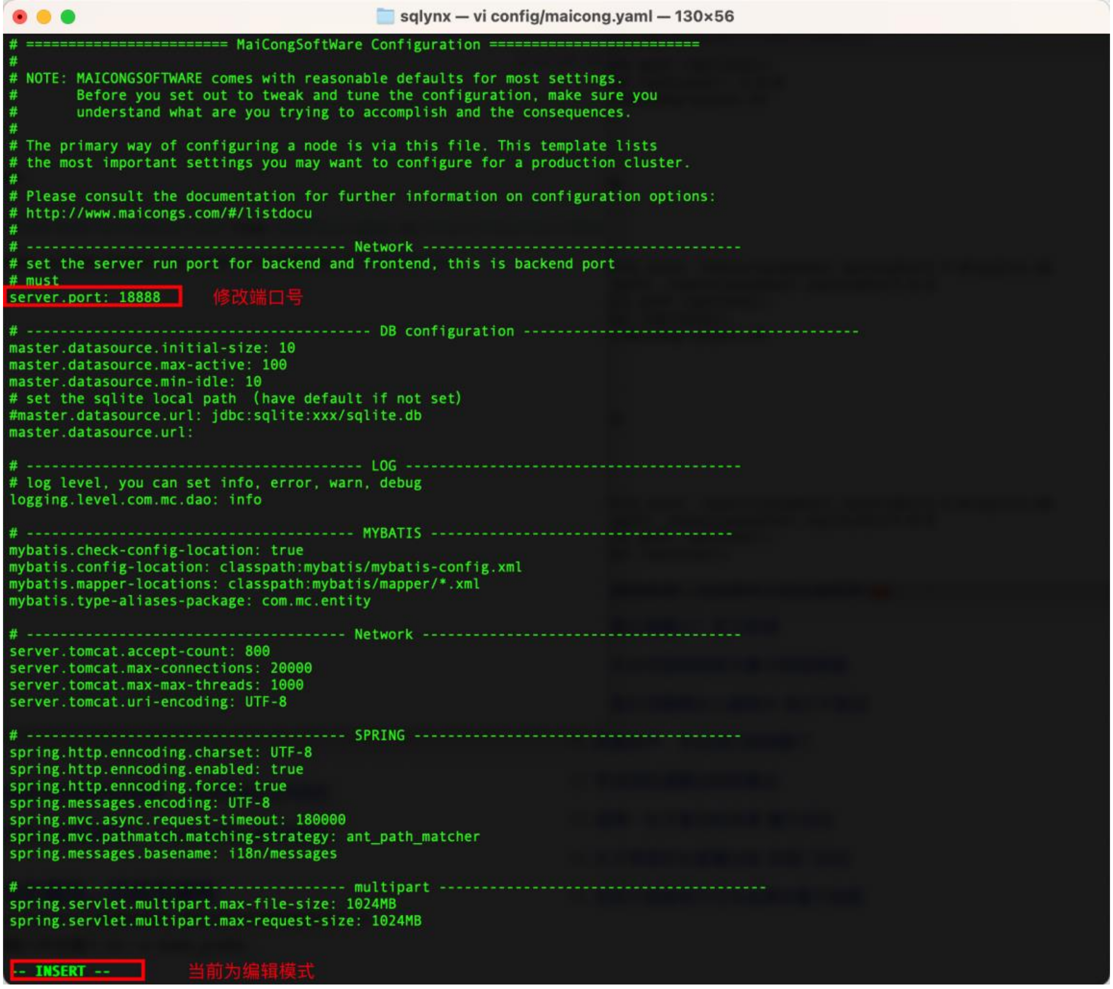
显示如下内容：



```
# ======================== 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 ----------------------------------------
# set the server run port for backend and frontend, this is backend port
# must
server.port: 18888

# ------------------------------------------- DB configuration -------------------------------------------
master.datasource.initial-size: 10
master.datasource.max-active: 100
master.datasource.min-idle: 10
# set the sqlite local path  (have default if not set)
#master.datasource.url: jdbc:sqlite:xxx/sqlite.db
master.datasource.url:

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

# ---------------------------------------- MYBATIS ---------------------------------------
mybatis.check-config-location: true
mybatis.config-location: classpath:mybatis/mybatis-config.xml
mybatis.mapper-locations: classpath:mybatis/mapper/*.xml
mybatis.type-aliases-package: com.mc.entity

# ---------------------------------------- Network ----------------------------------------
server.tomcat.accept-count: 800
server.tomcat.max-connections: 20000
server.tomcat.max-max-threads: 1000
server.tomcat.uri-encoding: UTF-8

# ---------------------------------------- SPRING ----------------------------------------
spring.http.enncoding.charset: UTF-8
spring.http.enncoding.enabled: true
spring.http.enncoding.force: true
spring.messages.encoding: UTF-8
spring.mvc.async.request-timeout: 180000
spring.mvc.pathmatch.matching-strategy: ant_path_matcher
spring.messages.basename: i18n/messages

# ---------------------------------------- multipart ----------------------------------------
spring.servlet.multipart.max-file-size: 1024MB
spring.servlet.multipart.max-request-size: 1024MB
```

server.port 表示端口号

2、按 i 键进入编辑模式，修改端口号

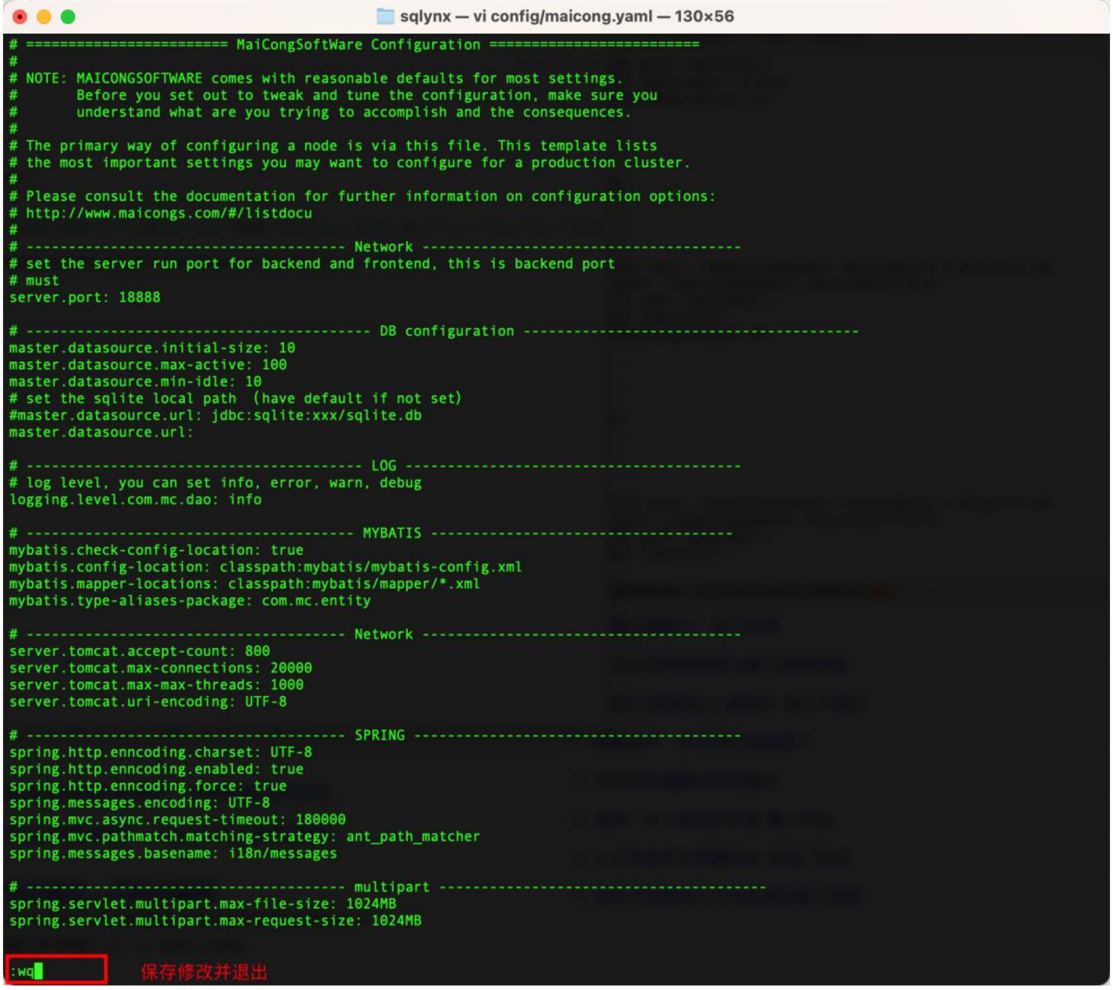


```
# ======================= MaiCongSoftWare Configuration ========================
#
# NOTE: MAICONGSOFTWARE comes with reasonable defaults for most settings.
#       Before you set out to tweak and tune the configuration, make sure you
#       understand what are you trying to accomplish and the consequences.
#
# 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 --------------------------------------
# set the server run port for backend and frontend, this is backend port
# must
server.port: 18888

# ----------------------------------------- DB configuration ----------------------------------------
master.datasource.initial-size: 10
master.datasource.max-active: 100
master.datasource.min-idle: 10
# set the sqlite local path  (have default if not set)
#master.datasource.url: jdbc:sqlite:xxx/sqlite.db
master.datasource.url:

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

# -------------------------------------- MYBATIS --------------------------------------
mybatis.check-config-location: true
mybatis.config-location: classpath:mybatis/mybatis-config.xml
mybatis.mapper-locations: classpath:mybatis/mapper/*.xml
mybatis.type-aliases-package: com.mc.entity

# -------------------------------------- Network --------------------------------------
server.tomcat.accept-count: 800
server.tomcat.max-connections: 20000
server.tomcat.max-max-threads: 1000
server.tomcat.uri-encoding: UTF-8

# -------------------------------------- SPRING --------------------------------------
spring.http.enncoding.charset: UTF-8
spring.http.enncoding.enabled: true
spring.http.enncoding.force: true
spring.messages.encoding: UTF-8
spring.mvc.async.request-timeout: 180000
spring.mvc.pathmatch.matching-strategy: ant_path_matcher
spring.messages.basename: i18n/messages

# -------------------------------------- multipart --------------------------------------
spring.servlet.multipart.max-file-size: 1024MB
spring.servlet.multipart.max-request-size: 1024MB

-- INSERT --
```

修改端口号

当前为编辑模式

3、按 esc 键退出编辑模式，输入指令 :wq 保存修改并退出



```
# ======================== 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 --------------------------------------
# set the server run port for backend and frontend, this is backend port
# must
server.port: 18888

# ----------------------------------------- DB configuration -----------------------------------------
master.datasource.initial-size: 10
master.datasource.max-active: 100
master.datasource.min-idle: 10
# set the sqlite local path  (have default if not set)
#master.datasource.url: jdbc:sqlite:xxx/sqlite.db
master.datasource.url:

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

# --------------------------------------- MYBATIS --------------------------------------
mybatis.check-config-location: true
mybatis.config-location: classpath:mybatis/mybatis-config.xml
mybatis.mapper-locations: classpath:mybatis/mapper/*.xml
mybatis.type-aliases-package: com.mc.entity

# -------------------------------------- Network --------------------------------------
server.tomcat.accept-count: 800
server.tomcat.max-connections: 20000
server.tomcat.max-max-threads: 1000
server.tomcat.uri-encoding: UTF-8

# -------------------------------------- SPRING --------------------------------------
spring.http.enncoding.charset: UTF-8
spring.http.enncoding.enabled: true
spring.http.enncoding.force: true
spring.messages.encoding: UTF-8
spring.mvc.async.request-timeout: 180000
spring.mvc.pathmatch.matching-strategy: ant_path_matcher
spring.messages.basename: i18n/messages

# -------------------------------------- multipart ---------------------------------------
spring.servlet.multipart.max-file-size: 1024MB
spring.servlet.multipart.max-request-size: 1024MB

:wq
```

保存修改并退出

1.2.4.2 修改 JVM 堆大小

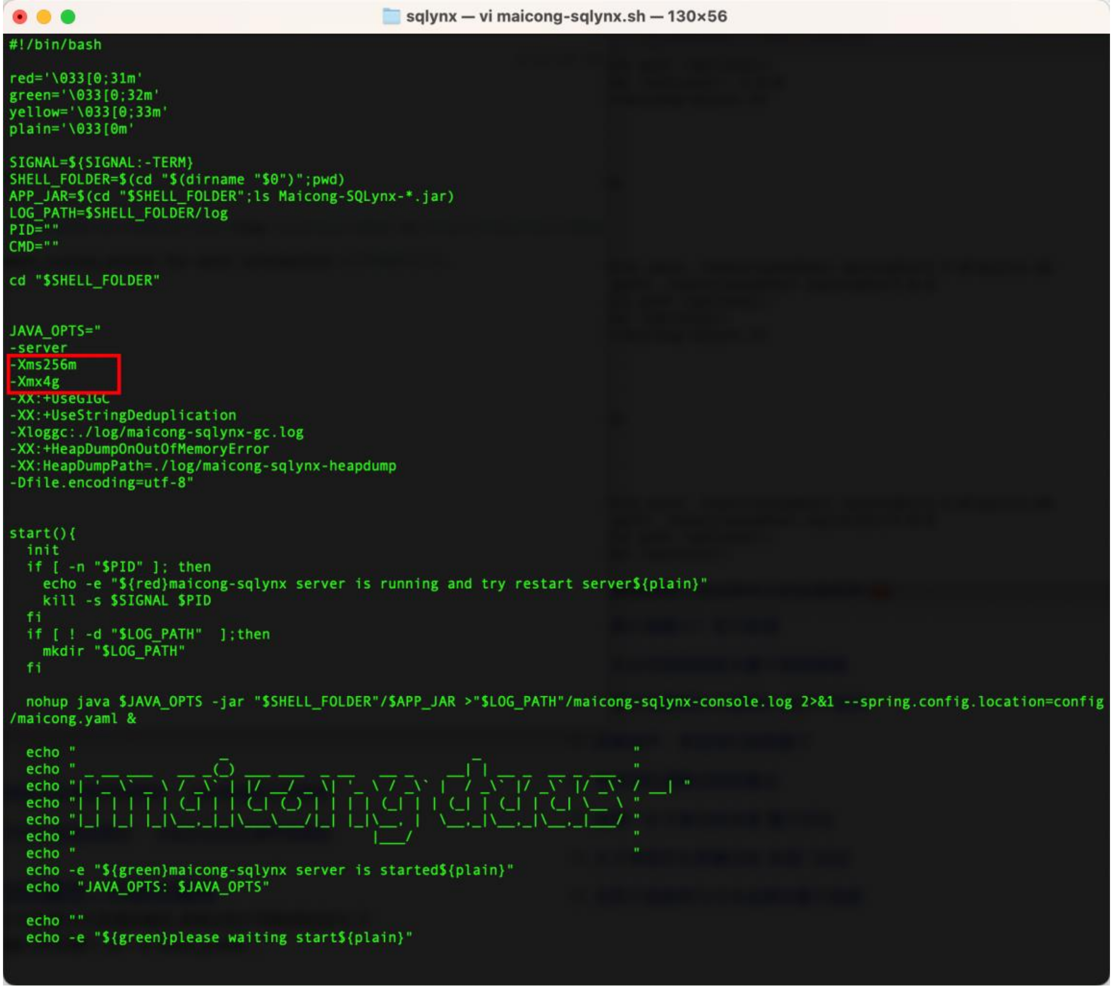
进入 sqlynx 目录,按照示例更新配置文件。

1、执行命令

```
vi maicong-sqlynx.sh
```

```
[yaoaohan@localhost sqlynx % vi maicong-sqlynx.sh
```

显示如下内容：



sqlynx — vi maicong-sqlynx.sh — 130×56

```
#!/bin/bash

red='\033[0;31m'
green='\033[0;32m'
yellow='\033[0;33m'
plain='\033[0m'

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

cd "$SHELL_FOLDER"


JAVA_OPTS="
-server
-Xms256m
-Xmx4g
-XX:+UseG1GC
-XX:+UseStringDeduplication
-Xloggc:./log/maicong-sqlynx-gc.log
-XX:+HeapDumpOnOutOfMemoryError
-XX:HeapDumpPath=./log/maicong-sqlynx-heapdump
-Dfile.encoding=utf-8"


start(){
  init
  if [ -n "$PID" ]; then
    echo -e "${red}maicong-sqlynx server is running and try restart server${plain}"
    kill -s $SIGNAL $PID
  fi
  if [ ! -d "$LOG_PATH"  ];then
    mkdir "$LOG_PATH"
  fi

  nohup java $JAVA_OPTS -jar "$SHELL_FOLDER"/$APP_JAR >"$LOG_PATH"/maicong-sqlynx-console.log 2>&1 --spring.config.location=config
/maicong.yaml &

  echo "                                                               "
  echo "                 _                           _                 "
  echo "| '_ ` _ \ / _` | |/ __/ _ \| '_ \ / _` |/ _` |/ _` |/ _` / __| "
  echo "| | | | | | (_| | | (_| (_) | | | | (_| | (_| | (_| | (_| \__ \ "
  echo "|_| |_| |_|\__,_|_|\___\___/|_| |_|\__, |\__,_|\__,_|\__,_|___/ "
  echo "                                   |___/                       "
  echo "                                                               "
  echo -e "${green}maicong-sqlynx server is started${plain}"
  echo  "JAVA_OPTS: $JAVA_OPTS"

  echo ""
  echo -e "${green}please waiting start${plain}"
```

-Xms JVM 初始分配的堆内存

-Xmx JVM 最大允许分配的堆内存

可根据服务器的实际情况修改堆大小

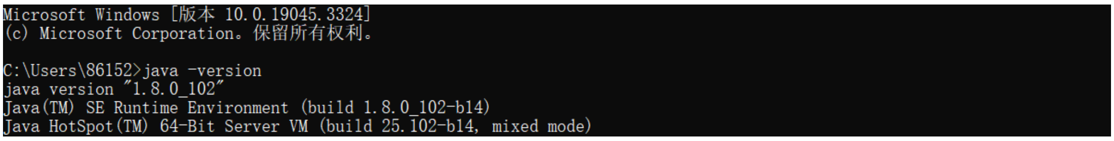
2. Windows 操作系统

2.1 环境检查

SQLynx 提供了自带 JDK 和无 JDK 两个安装包版本，可根据自身需要选择安装包。打开终端执行命令查看 JDK 是否安装以及安装的 JDK 版本，需要 JDK1.8 或以上版本

按⊞+r，输入 cmd，打开终端执行命令检查 JDK 版本,需要 JDK1.8 或以上版本：

```
java -version
```



```
Microsoft Windows [版本 10.0.19045.3324]
(c) Microsoft Corporation。保留所有权利。

C:\Users\86152>java -version
java version "1.8.0_102"
Java(TM) SE Runtime Environment (build 1.8.0_102-b14)
Java HotSpot(TM) 64-Bit Server VM (build 25.102-b14, mixed mode)
```

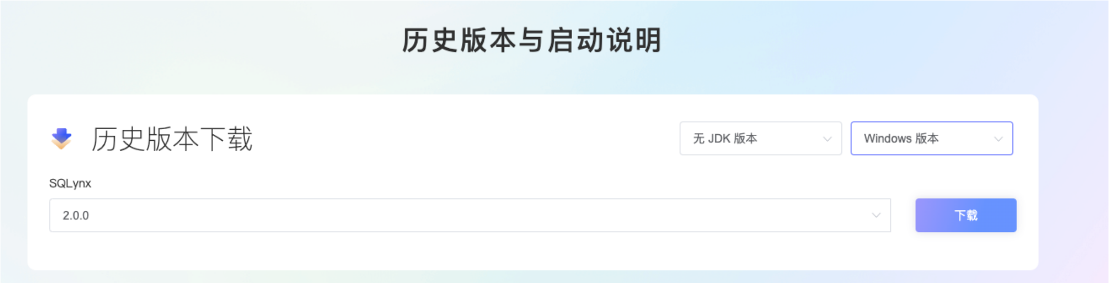
如果没有安装 1.8 及以上版本 JDK，则需要下载自带 JDK 版本安装包，或者自行安装 JDK 后再下载无 JDK 版本安装包。

注：自带 JDK 的安装包中的 JDK 只支持 AMD64(x86)架构，如果服务器为其他架构，需要手动替换对应的 JDK。

2.2 安装 SQLynx 软件

2.2.1 下载安装包

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



历史版本与启动说明

历史版本下载

无 JDK 版本

Windows 版本

SQLynx: 2.0.0

以下步骤以无 JDK 版本为例，下载好的安装包名为：

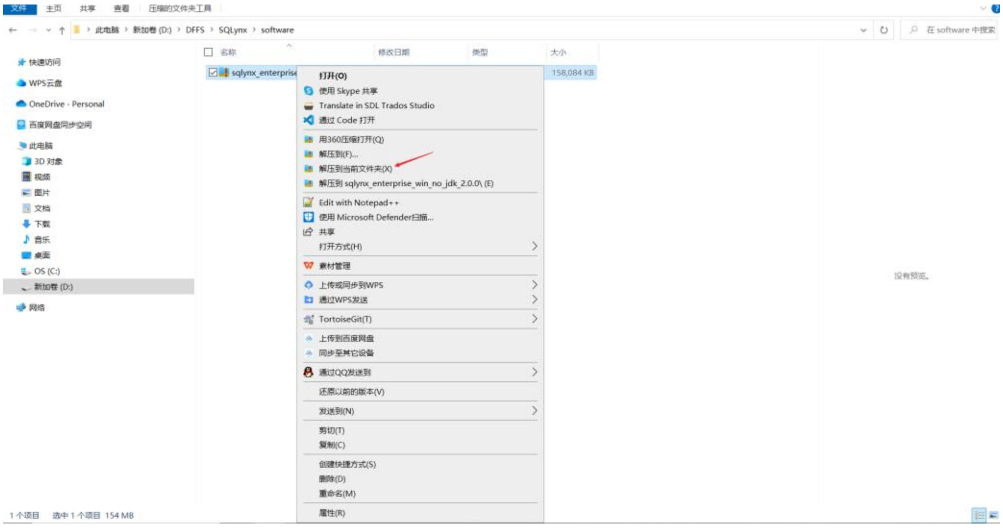
sqlynx_enterprise_win_no_jdk_2.0.0.zip

注：SQL Studio 现已更名为 SQLynx

2.2.2 解压缩软件

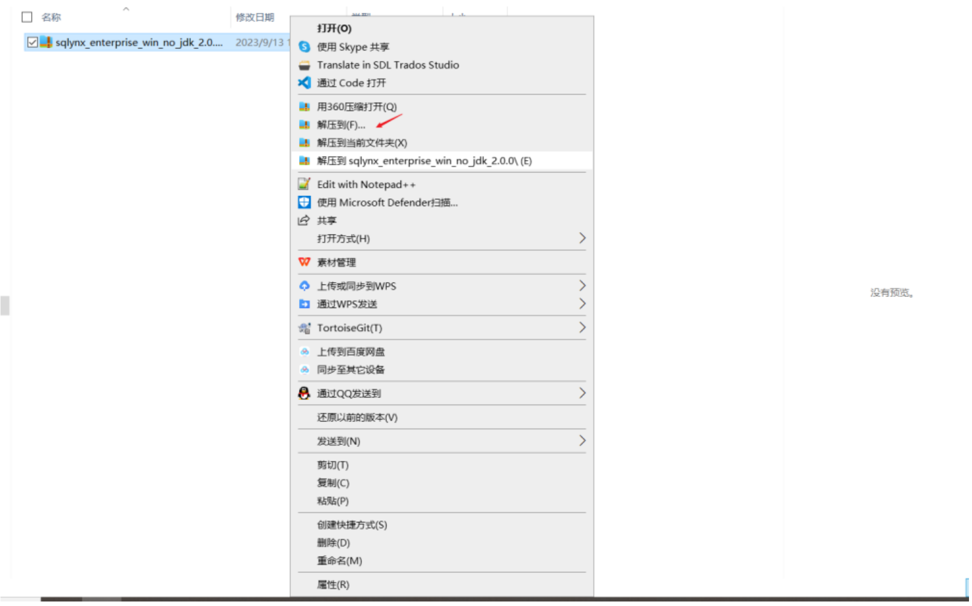
右键单击安装包，解压安装包到当前文件夹

示例：



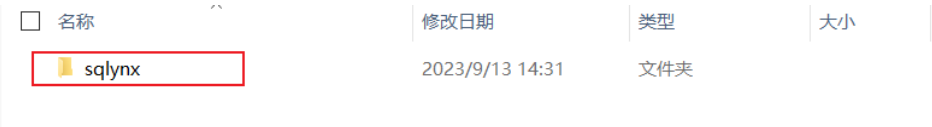
也可以解压到指定目录

示例：



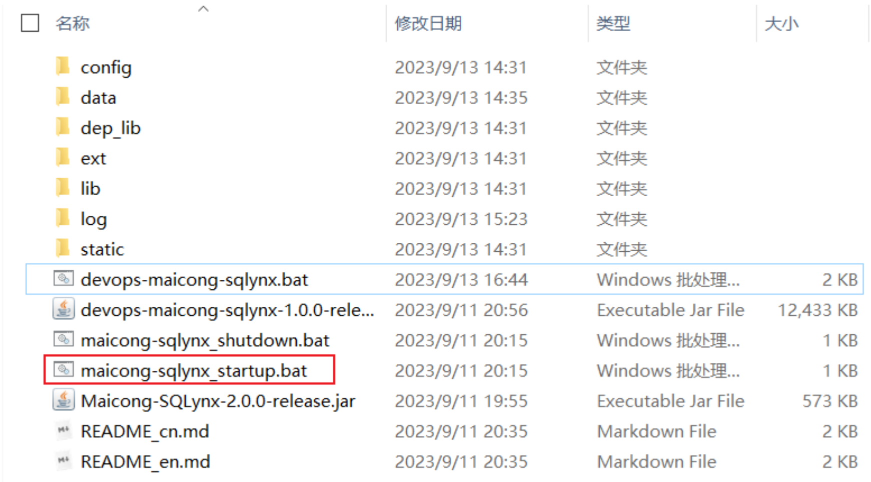
2.2.3 启动 SQLynx

1、解压安装包后会产生一个名为 sqlynx 的文件夹，进入文件目录



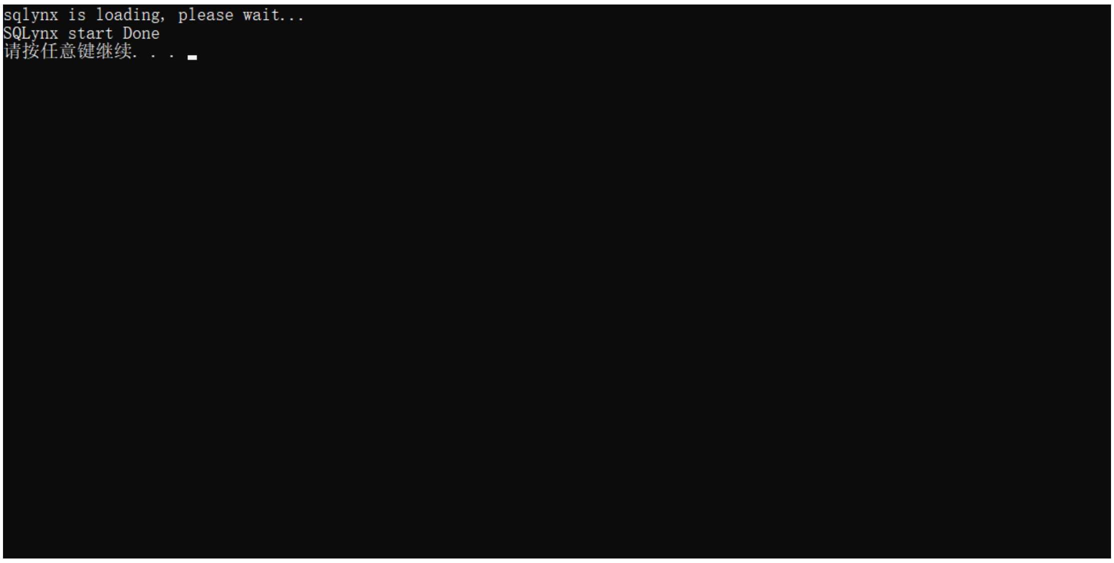
□ 名称	修改日期	类型	大小
sqlynx	2023/9/13 14:31	文件夹	

3、进入以后，可以看到目录中有一个 maicong-sqlynx_startup.bat 文件，双击运行



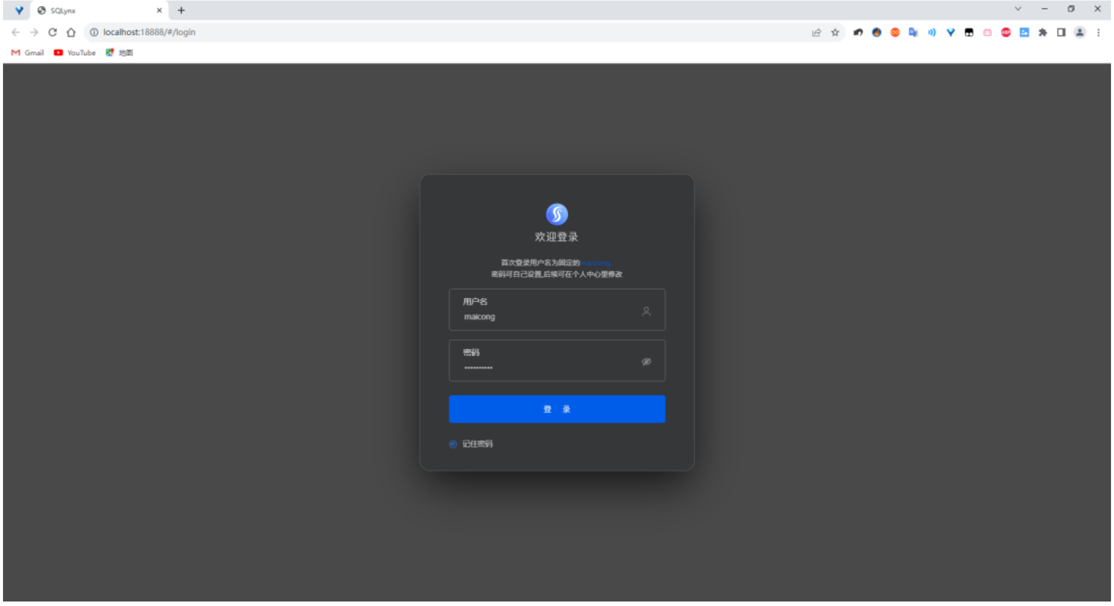
□ 名称	修改日期	类型	大小
config	2023/9/13 14:31	文件夹	
data	2023/9/13 14:35	文件夹	
dep_lib	2023/9/13 14:31	文件夹	
ext	2023/9/13 14:31	文件夹	
lib	2023/9/13 14:31	文件夹	
log	2023/9/13 15:23	文件夹	
static	2023/9/13 14:31	文件夹	
devops-maicong-sqlynx.bat	2023/9/13 16:44	Windows 批处理...	2 KB
devops-maicong-sqlynx-1.0.0-rele...	2023/9/11 20:56	Executable Jar File	12,433 KB
maicong-sqlynx_shutdown.bat	2023/9/11 20:15	Windows 批处理...	1 KB
maicong-sqlynx_startup.bat	2023/9/11 20:15	Windows 批处理...	1 KB
Maicong-SQLynx-2.0.0-release.jar	2023/9/11 19:55	Executable Jar File	573 KB
README_cn.md	2023/9/11 20:35	Markdown File	2 KB
README_en.md	2023/9/11 20:35	Markdown File	2 KB

3、双击 maicong-sqlynx_startup.bat 文件以后，会弹出 cmd 命令窗口，如下图：



```
sqlynx is loading, please wait...
SQLynx start Done
请按任意键继续. . . _
```

4、出现以下登录页面，表示 SQLynx 已安装成功。



localhost:18888/#/login

欢迎登录

首次登录用户名为固定的maicong,
密码可自己设置,后续可在个人中心里修改

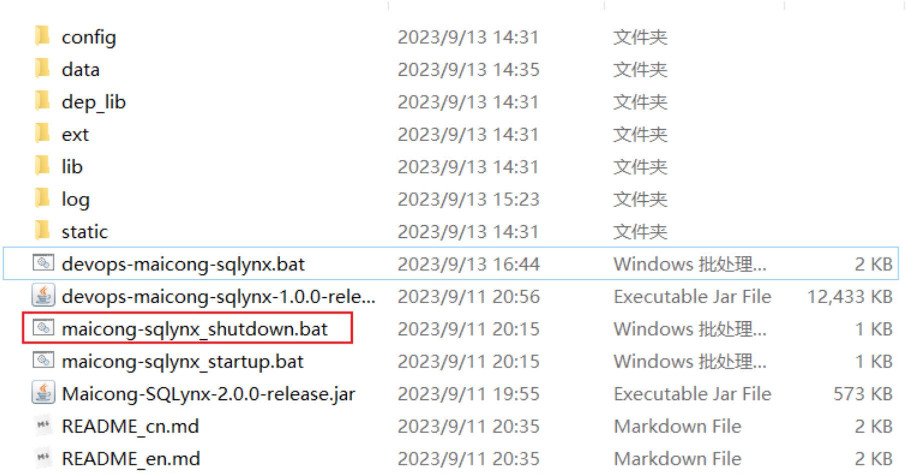
用户名: maicong

密码: **********

初始用户名：maicong　密码：由用户输入设定

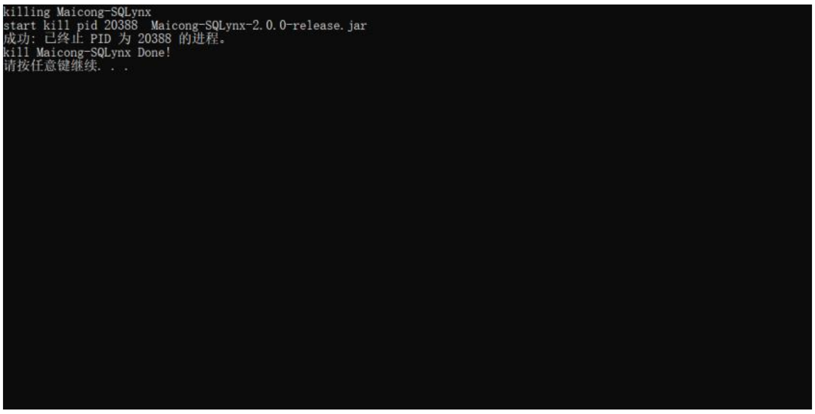
2.2.4 关闭 SQLynx

1、进入 sqlynx 文件夹，双击 maicong-sqlynx_shutdown.bat 文件



config	2023/9/13 14:31	文件夹	
data	2023/9/13 14:35	文件夹	
dep_lib	2023/9/13 14:31	文件夹	
ext	2023/9/13 14:31	文件夹	
lib	2023/9/13 14:31	文件夹	
log	2023/9/13 15:23	文件夹	
static	2023/9/13 14:31	文件夹	
devops-maicong-sqlynx.bat	2023/9/13 16:44	Windows 批处理...	2 KB
devops-maicong-sqlynx-1.0.0-rele...	2023/9/11 20:56	Executable Jar File	12,433 KB
maicong-sqlynx_shutdown.bat	2023/9/11 20:15	Windows 批处理...	1 KB
maicong-sqlynx_startup.bat	2023/9/11 20:15	Windows 批处理...	1 KB
Maicong-SQLynx-2.0.0-release.jar	2023/9/11 19:55	Executable Jar File	573 KB
README_cn.md	2023/9/11 20:35	Markdown File	2 KB
README_en.md	2023/9/11 20:35	Markdown File	2 KB

2、弹出以下窗口，表明服务器已关闭



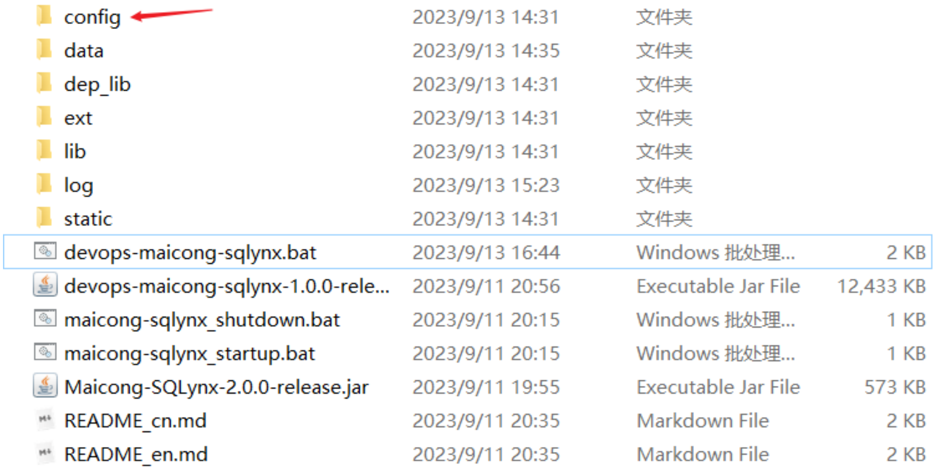
```
killing Maicong-SQLynx
start kill pid 20388  Maicong-SQLynx-2.0.0-release.jar
成功: 已终止 PID 为 20388 的进程。
kill Maicong-SQLynx Done!
请按任意键继续. . .
```

2.2.5 修改配置

2.2.5.1 修改端口号

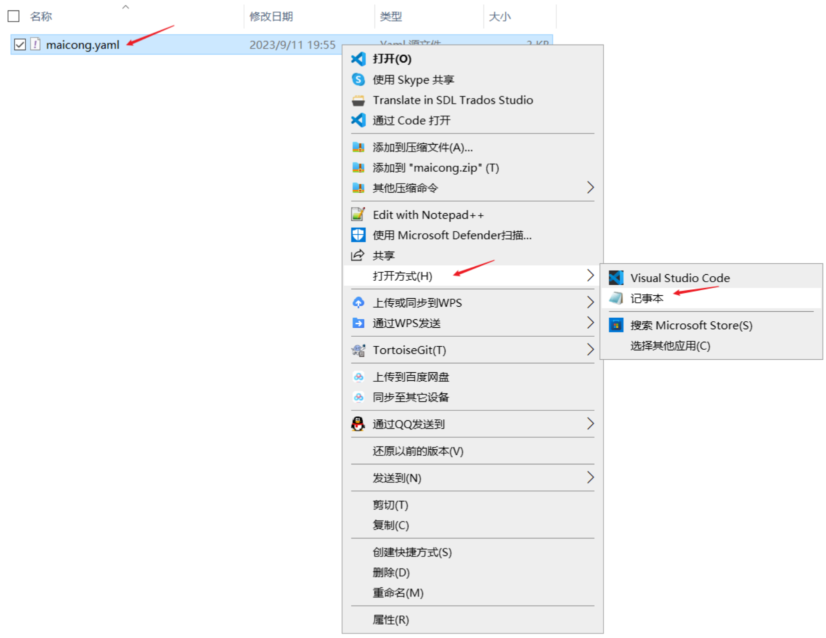
进入 sqlynx 目录,按照示例更新配置文件。

1、进入 config 目录

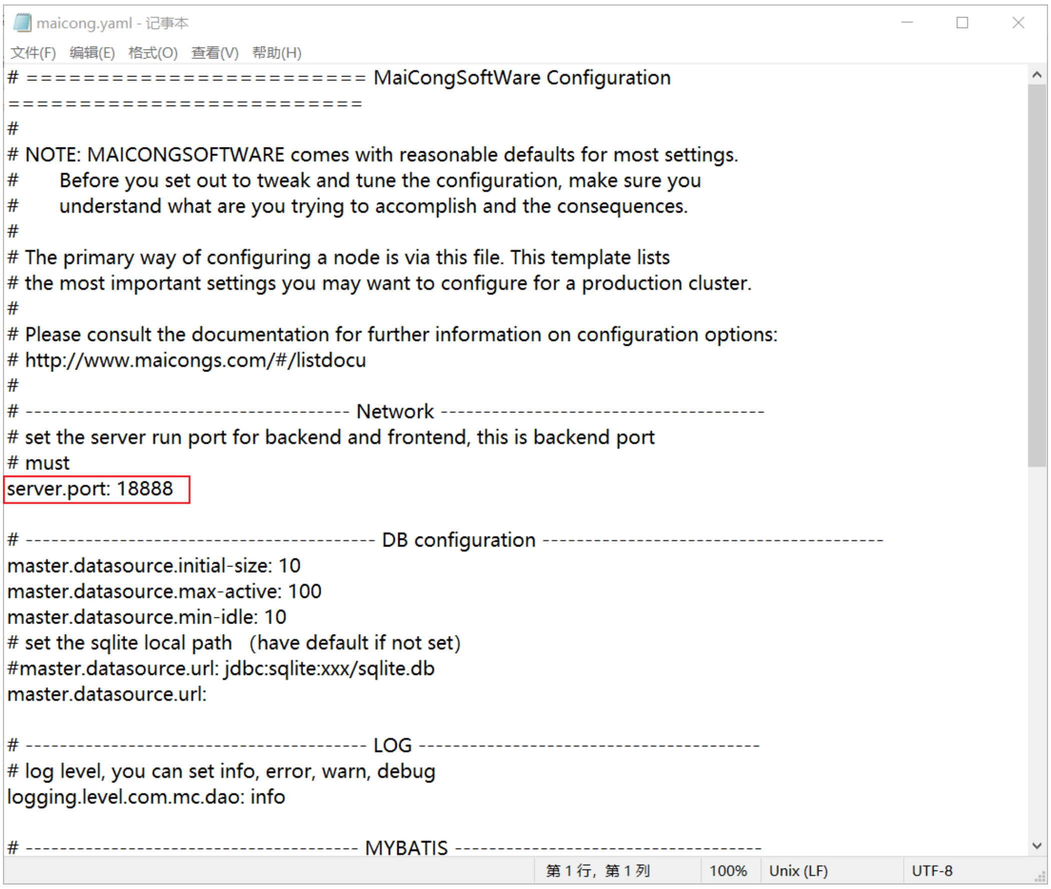


config	2023/9/13 14:31	文件夹	
data	2023/9/13 14:35	文件夹	
dep_lib	2023/9/13 14:31	文件夹	
ext	2023/9/13 14:31	文件夹	
lib	2023/9/13 14:31	文件夹	
log	2023/9/13 15:23	文件夹	
static	2023/9/13 14:31	文件夹	
devops-maicong-sqlynx.bat	2023/9/13 16:44	Windows 批处理...	2 KB
devops-maicong-sqlynx-1.0.0-rele...	2023/9/11 20:56	Executable Jar File	12,433 KB
maicong-sqlynx_shutdown.bat	2023/9/11 20:15	Windows 批处理...	1 KB
maicong-sqlynx_startup.bat	2023/9/11 20:15	Windows 批处理...	1 KB
Maicong-SQLynx-2.0.0-release.jar	2023/9/11 19:55	Executable Jar File	573 KB
README_cn.md	2023/9/11 20:35	Markdown File	2 KB
README_en.md	2023/9/11 20:35	Markdown File	2 KB

右键单击 maicong.yaml，使用记事本打开



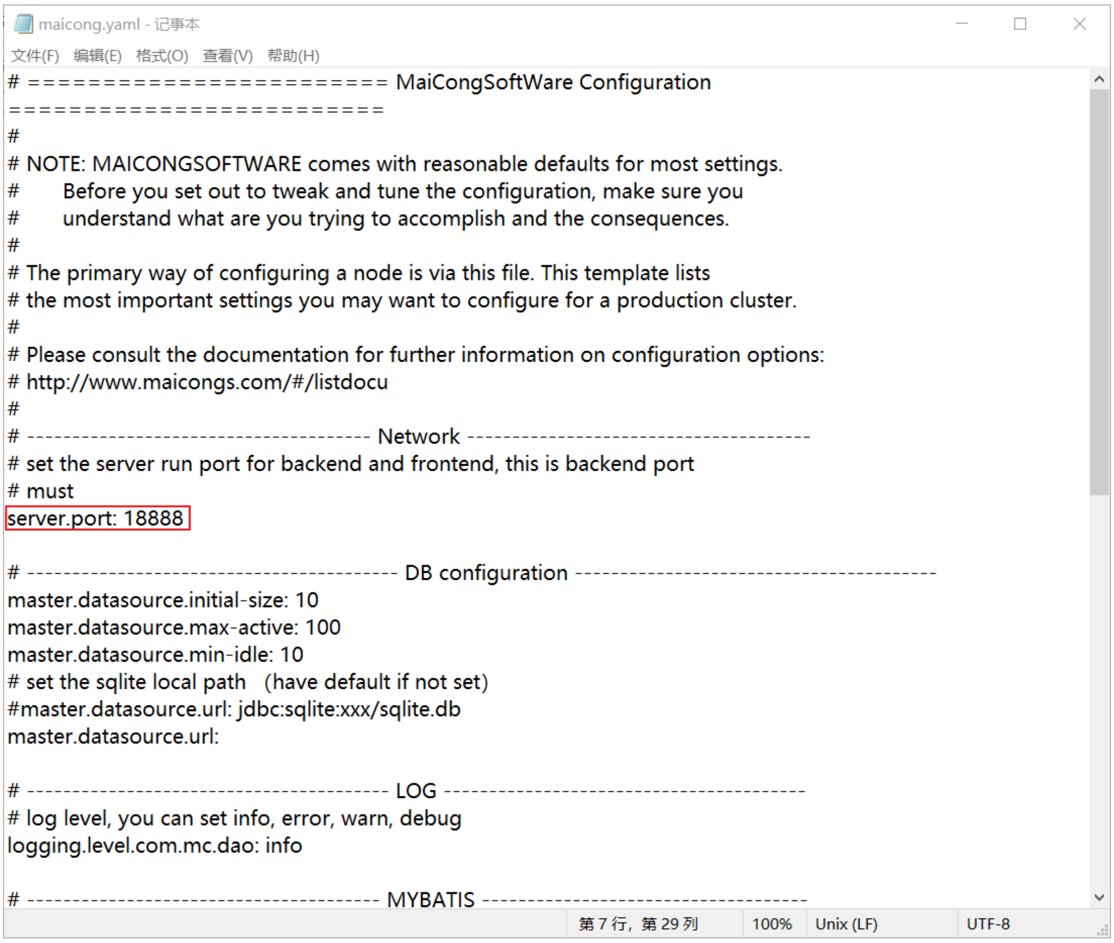
显示如下内容：



```
# ======================= 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 -----------------------------------
# set the server run port for backend and frontend, this is backend port
# must
server.port: 18888

# ----------------------------------- DB configuration -----------------------------------
master.datasource.initial-size: 10
master.datasource.max-active: 100
master.datasource.min-idle: 10
# set the sqlite local path   (have default if not set)
#master.datasource.url: jdbc:sqlite:xxx/sqlite.db
master.datasource.url:

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

# --------------------------------- MYBATIS ---------------------------------
```

server.port 表示端口号

2、编辑记事本，修改端口号**（注：按 ctrl+s 保存）**

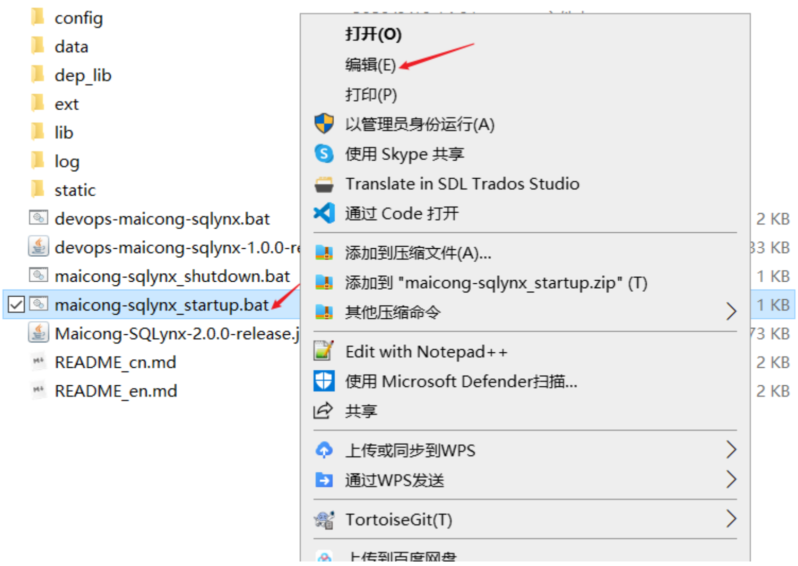


```
# ======================== MaiCongSoftWare Configuration
=========================
#
# NOTE: MAICONGSOFTWARE comes with reasonable defaults for most settings.
#       Before you set out to tweak and tune the configuration, make sure you
#       understand what are you trying to accomplish and the 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 -----------------------------------
# set the server run port for backend and frontend, this is backend port
# must
server.port: 18888

# ----------------------------------- DB configuration ----------------------------------
master.datasource.initial-size: 10
master.datasource.max-active: 100
master.datasource.min-idle: 10
# set the sqlite local path （have default if not set）
#master.datasource.url: jdbc:sqlite:xxx/sqlite.db
master.datasource.url:

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

# ----------------------------------- MYBATIS -----------------------------------
```

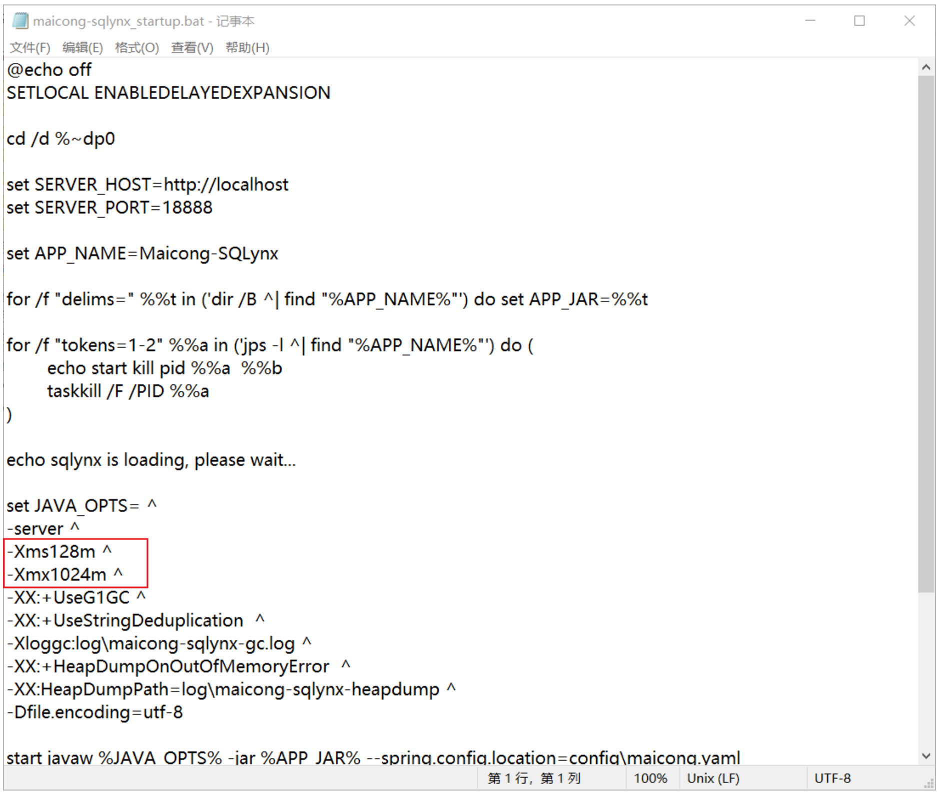
2.2.5.2 修改 JVM 堆大小

进入 sqlynx 目录,按照示例更新配置文件。

1、右键单击 maicong-sqlynx_startup.bat，选择编辑



显示如下内容：


maicong-sqlynx_startup.bat - 记事本
文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)
第 1 行，第 1 列
100%
Unix (LF)
UTF-8

```
@echo off
SETLOCAL ENABLEDELAYEDEXPANSION

cd /d %~dp0

set SERVER_HOST=http://localhost
set SERVER_PORT=18888

set APP_NAME=Maicong-SQLynx

for /f "delims=" %%t in ('dir /B ^| find "%APP_NAME%"') do set APP_JAR=%%t

for /f "tokens=1-2" %%a in ('jps -l ^| find "%APP_NAME%"') do (
      echo start kill pid %%a  %%b
      taskkill /F /PID %%a
)

echo sqlynx is loading, please wait...

set JAVA_OPTS= ^
-server ^
-Xms128m ^
-Xmx1024m ^
-XX:+UseG1GC ^
-XX:+UseStringDeduplication  ^
-Xloggc:log\maicong-sqlynx-gc.log ^
-XX:+HeapDumpOnOutOfMemoryError  ^
-XX:HeapDumpPath=log\maicong-sqlynx-heapdump ^
-Dfile.encoding=utf-8

start javaw %JAVA_OPTS% -jar %APP_JAR% --spring.config.location=config\maicong.yaml
```

-Xms JVM 初始分配的堆内存

-Xmx JVM 最大允许分配的堆内存

可根据服务器的实际情况修改堆大小