搭建OceanBase开发环境 -- 编译 & 运行

[已报名参加大赛]

参照教程:

https://oceanbase.github.io/miniob/dev-env/how to dev miniob by vscode/# 2

https://github.com/oceanbase/miniob/blob/main/docs/docs/how to build.md

环境搭建

已经安装的工具如下:

```
--- 以下使用apt install即可安装,安装之前先更行apt: sudo apt update ; sudo apt upgrade
casinan@caisinan:~/Desktop$ cmake --version
cmake version 3.28.3
casinan@caisinan:~/Desktop$ make --version
GNU Make 4.3
casinan@caisinan:~/Desktop$ g++ --version
g++ (Ubuntu 13.2.0-23ubuntu4) 13.2.0
casinan@caisinan:~/Desktop$ gcc --version
gcc (Ubuntu 13.2.0-23ubuntu4) 13.2.0
casinan@caisinan:~/Desktop$ sudo apt install googletest
[sudo] password for casinan:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
googletest is already the newest version (1.14.0-1).
O upgraded, O newly installed, O to remove and 3 not upgraded.
```

其中libevent的安装方式如下:

```
wget https://github.com/libevent/libevent/releases/download/release-2.1.12-stable/libevent-2.1.12-stable.tar.gz

然后参考教程: https://blog.csdn.net/superhoner/article/details/112001995

配置安装环境:
cd libevent-2.1.11-stable
./configure --prefix=/usr

测试是否安装成功:
ls -al /usr/local/lib | grep libevent
```

其中jsoncpp的安装方式如下:

参考教程 : https://blog.csdn.net/qq_52201535/article/details/133581163

```
安装:
sudo apt-get install libjsoncpp-dev
sudo apt install libjson-c-dev

检查是否安装成功:
ls /usr/include/jsoncpp/json/
ls /usr/include/json-c/

*******如何使用***:
#include <jsoncpp/json/json.h>
#include <json-c/json.h>
编译: [链接库]
g++ -l jsoncpp
g++ -l ljson-c
```

flex安装: sudo apt-get install flex

bison安装参考: https://blog.csdn.net/Mculover666/article/details/118934814

尝试编译

cd ./minidb sudo bash build.sh init 成功执行 bash build.sh 成功编译

打包一个镜像

用vmware直接克隆一个备份即可

运行oceanBase数据库

这里记录一下提交代码的网址:

https://open.oceanbase.com/train?questionId=200001

oceanBase如何运行起来:

https://oceanbase.github.io/miniob/how to run/

命令记录:

```
cd home/casinan/workspace/oceanBCompertition/miniob/build
以监听TCP端口的方式启动服务端程序:
./bin/observer -f ../etc/observer.ini -p 6789
打开另一个终端:
到build目录下:
客户端连接到服务端的6789端口:
./bin/obclient -p 6789
```

好的准备提交第一笔代码

[备注: 此文档已经提交oceanBase官网]