

# Linux 上 docker 安装 oracle-xe-11g 记录

作者: [alanfans](#)

原文链接: <https://ld246.com/article/1492914187689>

来源网站: [链滴](#)

许可协议: [署名-相同方式共享 4.0 国际 \(CC BY-SA 4.0\)](#)

## 环境:

2G内存, 60G硬盘阿里云一台 (带宽1M), 配置如下图:

```
-----  
CPU model           : Intel(R) Xeon(R) CPU E5-2650 v2 @ 2.60GHz  
Number of cores    : 1  
CPU frequency      : 2593.746 MHz  
Total size of Disk : 60.0 GB (19.6 GB Used)  
Total amount of Mem : 2010 MB (1934 MB Used)  
Total amount of Swap : 0 MB (0 MB Used)  
System uptime     : 25 days, 19 hour 11 min  
Load average      : 0.06, 0.06, 0.15  
OS                : Debian GNU/Linux 8  
Arch              : x86_64 (64 Bit)  
Kernel           : 3.16.0-4-amd64  
-----
```

## 软件: docker

Docker version 1.6.2, build 7c8fca2

## 相关link

docker镜像站: <https://store.docker.com>

视频教程: <https://asciinema.org/a/45878> (oracle 12c)

## 步骤

1:在镜像站搜索oracle,第一页有两个 (12c和11g),12c太大了,要3个G且下时间太长,我下载的是11g

shell:`docker pull wnameless/oracle-xe-11g`

```
root@iZpa9x32kozr3pZ:~# docker pull wnameless/oracle-xe-11g  
latest: Pulling from wnameless/oracle-xe-11g  
aa78cde6a49b: Pull complete  
47404398ee9c: Pull complete  
fddb940d5337: Pull complete  
078bdd81e30a: Pull complete  
3a173076252f: Pull complete  
7a8c3da1aeal: Pull complete  
99767d3d12a9: Pull complete  
cb0eafcd91a: Pull complete  
db4d1ff29af9: Pull complete  
0596f30e38bf: Pull complete  
48769ba64e80: Pull complete  
f46a6bfd3434: Pull complete  
f7d2bae0c415: Pull complete  
Digest: sha256:5c927df674866766a186442397a0c6317208fd9fb3635aba724a9976fb17a0856  
Status: Downloaded newer image for wnameless/oracle-xe-11g:latest  
root@iZpa9x32kozr3pZ:~# docker run -d -p 49160:22 -p 49161:1521 wnameless/oracle-xe-11g
```

可以下载旧版: `docker pull wnameless/oracle-xe-11g:14.04.4`

## 2:运行镜像文件

shell:`docker run -d -p 49160:22 -p 49161:1521 wnameless/oracle-xe-11g`

映射了两个端口出来。

```
root@iZpa9x32kozr3pZ:~# docker run -d -p 49160:22 -p 49161:1521 wnameless/oracle-xe-11g
b97da5ba40541b28b05c4b799761f77aa6284f842ef696c16926bbc14a0d2627
```

镜像网站上说: [Run this, if you want the database to be connected remotely:](#) (远程连接)

得加``

`-e ORACLE_ALLOW_REMOTE=true`

#### 3:查看这个镜像运行log

```
shell:`docker logs -f b97da5ba40541b28b05c4b799761f77aa6284f842ef696c16926bbc14a0d
627`
```

```
![6d5f6454a888493cb9a5e7e457c45704-2017042309.55.57.png](https://b3logfile.com/file/20
7/4/6d5f6454a888493cb9a5e7e457c45704-2017042309.55.57.png?imageView2/2/w/768/for
at/jpg/interlace/0/q?imageView2/2/w/768/format/jpg/interlace/0/q?imageView2/2/w/768/fo
mat/jpg/interlace/0/q?imageView2/2/w/768/format/jpg/interlace/0/q)
```

#### 4:进入容器

```
`Login by SSH :
```

```
ssh root@localhost -p 49160`
```

```
密码: admin
```

```
![aac6c15ca87644aea9fdb80cfc1d3c66-2017042310.11.57.png](https://b3logfile.com/file/201
/4/aac6c15ca87644aea9fdb80cfc1d3c66-2017042310.11.57.png?imageView2/2/w/768/format
jpg/interlace/0/q?imageView2/2/w/768/format/jpg/interlace/0/q?imageView2/2/w/768/form
t/jpg/interlace/0/q?imageView2/2/w/768/format/jpg/interlace/0/q)
```

#### 5:切换用户,连接oracle

```
shell:`su oracle`
```

```
shell:`cd $ORACLE_HOME`
```

```
shell:`bin/sqlplus / as sysdba`
```

```
![84f824986a6247cf8c4b4d2f5f440ed6-2017042310.18.13.png](https://b3logfile.com/file/201
/4/84f824986a6247cf8c4b4d2f5f440ed6-2017042310.18.13.png?imageView2/2/w/768/format
jpg/interlace/0/q?imageView2/2/w/768/format/jpg/interlace/0/q?imageView2/2/w/768/form
t/jpg/interlace/0/q?imageView2/2/w/768/format/jpg/interlace/0/q)
```

#### 6:测试sql

```
![51e237ab8cf54faca6eacc50c3b54ff5-2017042310.22.14.png](https://b3logfile.com/file/2017
4/51e237ab8cf54faca6eacc50c3b54ff5-2017042310.22.14.png?imageView2/2/w/768/format/j
g/interlace/0/q?imageView2/2/w/768/format/jpg/interlace/0/q?imageView2/2/w/768/format
pg/interlace/0/q?imageView2/2/w/768/format/jpg/interlace/0/q)
```

#### 7:新建用户

```
shell:`create user test identified by 123456`
```

```
shell:`grant dba to test;`
```

```
![2ed2c9db544c4feeb18d509d6581ec39.png](https://b3logfile.com/file/2017/4/2ed2c9db544
4feeb18d509d6581ec39.png?imageView2/2/w/768/format/jpg/interlace/0/q?imageView2/2/
/768/format/jpg/interlace/0/q)
```

#### 8:新建表空间

```
shell:`create tablespace TEST datafile '/u01/app/oracle/test/test.dbf' size 100M;`
```

```
shell:`create user TEST identified by TEST123 default tablespace TEST;`
```

如果这个TEST用户在其他表空间已存请先删除

```
shell:`drop user TEST cascade`
```

然后给连接, dba权限

```
shell:`grant connect,resource to TEST;`
```

```
shell:`grant dba to TEST;`
```