

5.20总结：安装MySQL和Oracle

Linux

网络配置类

```
clear    #清屏
ifconfig #列出网卡信息
ping ip地址 #看网络是不是连通
free     #查看内存使用情况
```

top 查看系统整体资源

PID: 进程的标识符。
USER: 运行进程的用户名。
PR (优先级): 进程的优先级。
NI (Nice值): 进程的优先级调整值。
VIRT (虚拟内存): 进程使用的虚拟内存大小。
RES (常驻内存): 进程实际使用的物理内存大小。
SHR (共享内存): 进程共享的内存大小。
%CPU: 进程占用 CPU 的使用率。
%MEM: 进程占用内存的使用率。
TIME+: 进程的累计 CPU 时间。

ps 显示系统执行的进程

```
ps -aux #查看所有用户所有进程
ps -ef  #查看子父进程之间的关系 (常用)

ps -ef | grep "mysql" #查看mysql服务
ps -ef | grep "oracle" #查看oracle服务
```

pstree 查看进程树

```
pstree 1660 #树状的形式显示进程的pid
```

kill

最常用的信号是：

1 (HUP)：重新加载进程。

9 (KILL)：强制杀死一个进程。

15 (TERM)：正常停止一个进程。

kill -9 16989 杀死进程

systemctl 服务管理

systemctl [start | stop | restart | status] 服务名

service 服务名 [start | stop | restart | status]

服务名：mysql network firewalld等

systemctl是新版本写法，service是老版本写法

防火墙操作：status/start/stop/restart/disable/enable 多两个

查看防火墙：systemctl status firewalld

停止防火墙：systemctl disable firewalld 重启后生效

注：直接关死即可，单机版使用防火墙

netstat 端口 (port)

```
netstat -nltp #查看网络端口
```

mysql 端口默认 3306

oracle 端口默认 1521

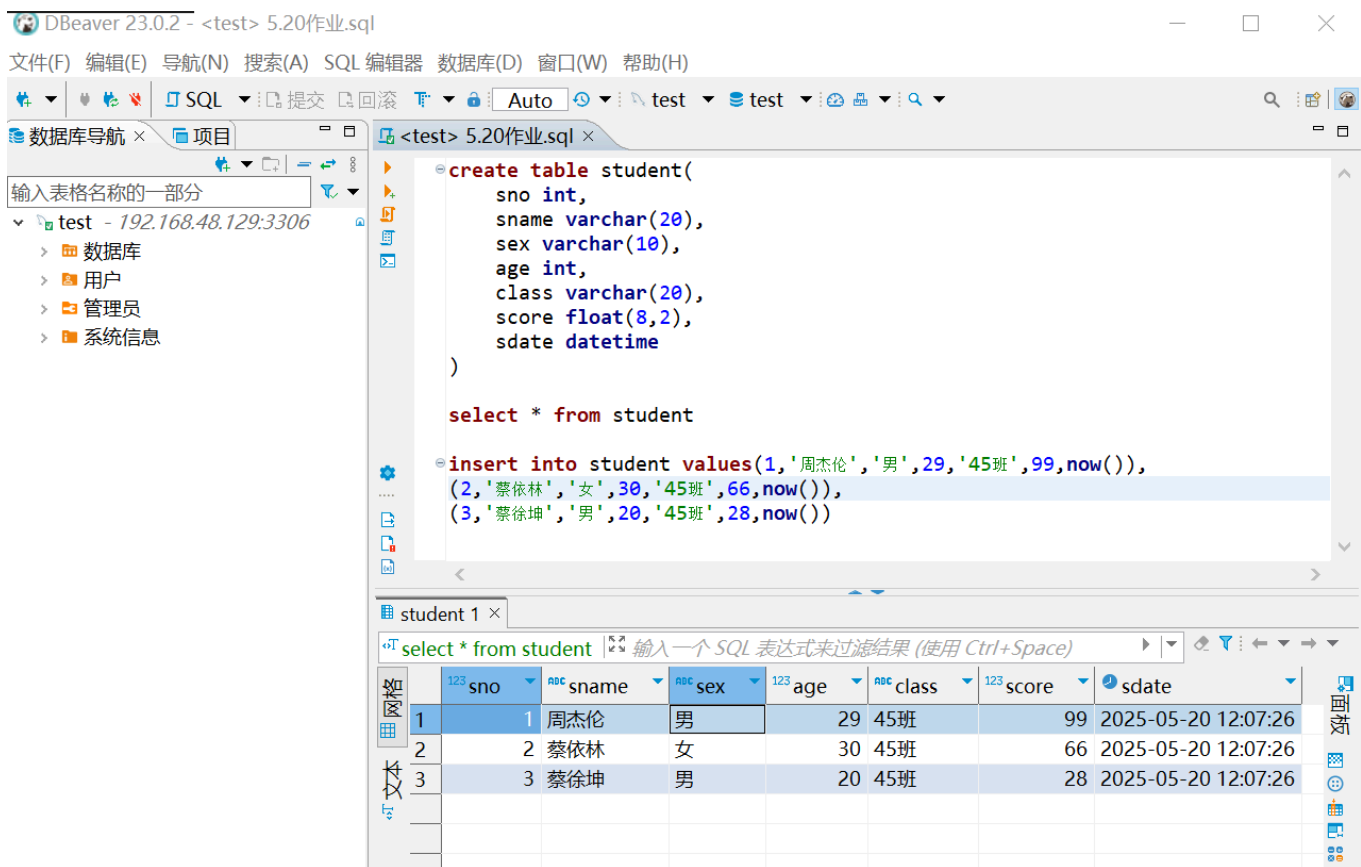
centos7 端口默认 22

文件夹

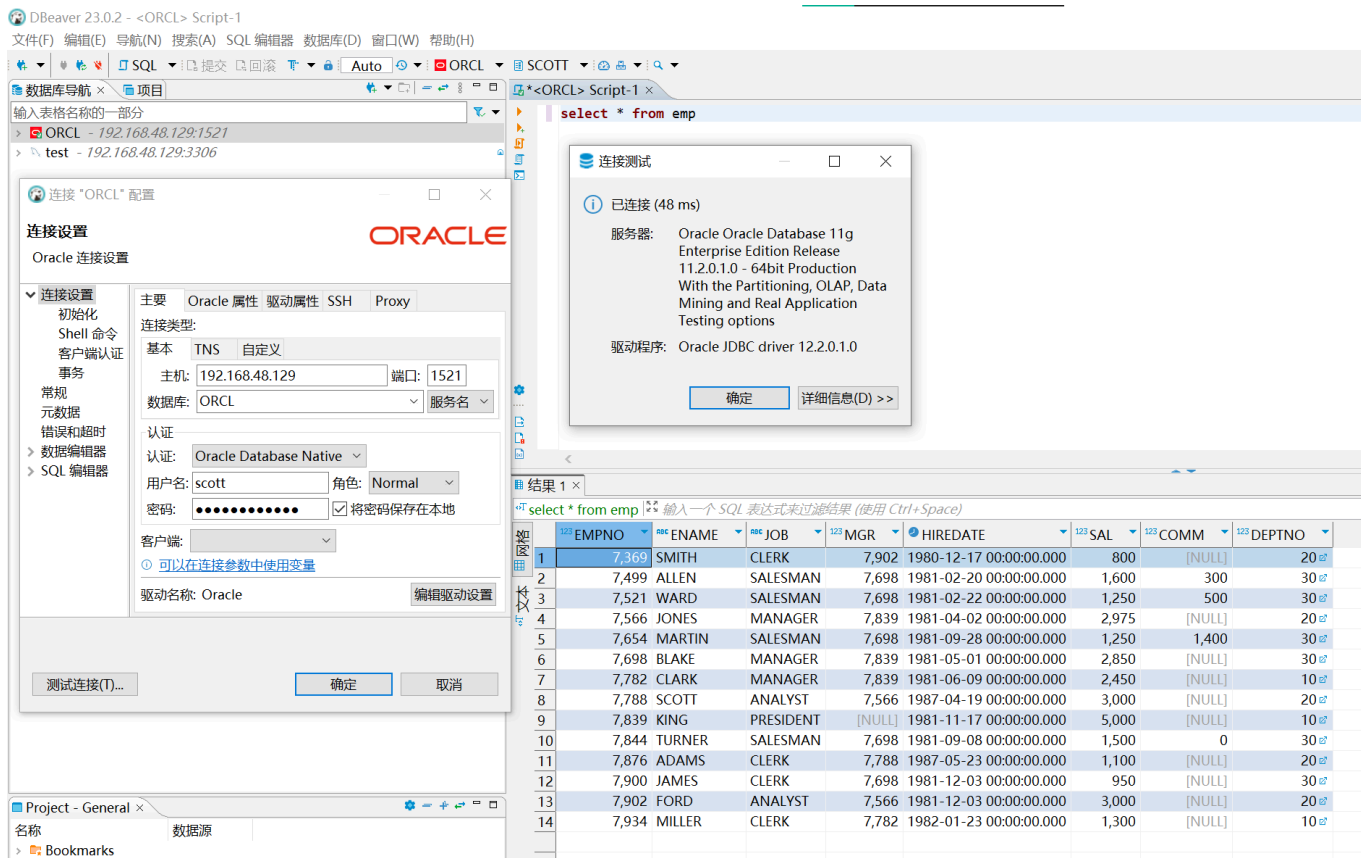
/usr/local/ 一般放小软件的安装

/opt/app/ 一般放大软件的安装

DBeaver连接MySQL



DBeaver连接Oracle



开机自启修改

```
192.168.48.129 (root)
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
Quick connect... 2. 192.168.48.129 (root)
# Set path if path not set (if called from /etc/rc)
SAVE_PATH=/bin:/usr/bin:/etc:${PATH} ; export PATH
SAVE_LLP=$LD_LIBRARY_PATH

# First argument is used to bring up Oracle Net Listener
ORACLE_HOME_LISTNER=/opt/app/oracle/product/11.2.0/dbhome_1
if [ ! $ORACLE_HOME_LISTNER ] ; then
    echo "ORACLE_HOME_LISTNER is not SET, unable to auto-start Oracle Net Listener"
    echo "Usage: $0 ORACLE_HOME"
else
    LOG=$ORACLE_HOME_LISTNER/listener.log

    # Set the ORACLE_HOME for the Oracle Net Listener, it gets reset to
    # a different ORACLE_HOME for each entry in the oratab.
    export ORACLE_HOME=$ORACLE_HOME_LISTNER

    # Start Oracle Net Listener
    if [ -x $ORACLE_HOME_LISTNER/bin/tnslsnr ] ; then
        echo "$0: Starting Oracle Net Listener" >> $LOG 2>&1
        $ORACLE_HOME_LISTNER/bin/lsnrctl start >> $LOG 2>&1 &
        VER10LIST=`$ORACLE_HOME_LISTNER/bin/lsnrctl version | grep "LSNRCTL for " | c
ut -d' ' -f5 | cut -d'.' -f1`
        export VER10LIST
    else
        echo "Failed to auto-start Oracle Net Listener using $ORACLE_HOME_LISTNER/bin
/tnslsnr"
    fi
```

```
192.168.48.129 (root)
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
Quick connect... 2. 192.168.48.129 (root)
#
# This file is used by ORACLE utilities. It is created by root.sh
# and updated by the Database Configuration Assistant when creating
# a database.
#
# A colon, ':', is used as the field terminator. A new line terminates
# the entry. Lines beginning with a pound sign, '#', are comments.
#
# Entries are of the form:
# $ORACLE_SID:$ORACLE_HOME:<N|Y>:
#
# The first and second fields are the system identifier and home
# directory of the database respectively. The third field indicates
# to the dbstart utility that the database should, "Y", or should not,
# "N", be brought up at system boot time.
#
# Multiple entries with the same $ORACLE_SID are not allowed.
#
orcl:/opt/app/oracle/product/11.2.0/dbhome_1:Y
~
~
~
~
```

```
192.168.48.129 (root)
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
Quick connect... 2. 192.168.48.129 (root)
Name
.cache
.config
.dbus
.local
ceshi
mytest
open
xxx
公共
模板
#!/bin/bash
# THIS FILE IS ADDED FOR COMPATIBILITY PURPOSES
#
# It is highly advisable to create own systemd services or udev rules
# to run scripts during boot instead of using this file.
#
# In contrast to previous versions due to parallel execution during boot
# this script will NOT be run after all other services.
#
# Please note that you must run 'chmod +x /etc/rc.d/rc.local' to ensure
# that this script will be executed during boot.

touch /var/lock/subsys/local

su oracle -lc "/opt/app/oracle/product/11.2.0/dbhome_1/bin/lsnrctl start"
su oracle -lc /opt/app/oracle/product/11.2.0/dbhome_1/bin/dbstart
~
~
```

开机自启验证

192.168.48.129 (root)

Terminal Sessions View X server Tools Games Settings Macros Help

Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help

Quick connect...

2. 192.168.48.129 (root)

/root/

Name

..

.cache

.config

.dbus

.local

ceshi

mytest

open

xxx

公共

模板

视频

图片

文档

下载

音乐

桌面

.bash_history

.bash_logout

.bash_profile

.bashrc

.cshrc

.esd_auth

.ICEauthority

.mysql_history

.tcshrc

.viminfo

.Xauthority

1.txt

2.txt

a.tar.gz

age.txt

? MobaXterm Personal Edition v21.5 ?
(SSH client, X server and network tools)

> SSH session to root@192.168.48.129

? Direct SSH : ✓

? SSH compression : ✓

? SSH-browser : ✓

? X11-forwarding : ✓ (remote display is forwarded through SSH)

> For more info, ctrl+click on help or visit our website.

Last login: Tue May 20 18:31:01 2025

ABRT has detected 1 problem(s). For more info run: abrt-cli list --since 1747736340

[root@centos7 ~]# ps -ef | grep "oracle"

oracle	1405	1	0	18:30	?	00:00:00	/opt/app/oracle/product/11.2.0
/dbhome_1/bin/tnslsnr LISTENER -inherit							
oracle	2158	1	0	18:30	?	00:00:00	ora_pmon_orcl
oracle	2160	1	0	18:30	?	00:00:00	ora_vktm_orcl
oracle	2164	1	0	18:30	?	00:00:00	ora_gen0_orcl
oracle	2166	1	0	18:30	?	00:00:00	ora_diag_orcl
oracle	2168	1	0	18:30	?	00:00:00	ora_dbwm_orcl
oracle	2170	1	0	18:30	?	00:00:00	ora_psp0_orcl
oracle	2172	1	0	18:30	?	00:00:00	ora_dia0_orcl
oracle	2174	1	0	18:30	?	00:00:00	ora_mman_orcl
oracle	2176	1	0	18:30	?	00:00:00	ora_dbw0_orcl
oracle	2178	1	0	18:30	?	00:00:00	ora_lgwr_orcl
oracle	2180	1	0	18:30	?	00:00:00	ora_ckpt_orcl
oracle	2182	1	0	18:30	?	00:00:00	ora_smon_orcl
oracle	2184	1	0	18:30	?	00:00:00	ora_reco_orcl
oracle	2186	1	0	18:30	?	00:00:00	ora_mmon_orcl
oracle	2188	1	0	18:30	?	00:00:00	ora_mmln_orcl
oracle	2190	1	0	18:30	?	00:00:00	ora_d000_orcl
oracle	2192	1	0	18:30	?	00:00:00	ora_s000_orcl
oracle	2224	1	0	18:30	?	00:00:00	ora_p000_orcl
oracle	2226	1	0	18:30	?	00:00:00	ora_p001_orcl
oracle	2228	1	0	18:30	?	00:00:00	ora_p002_orcl
oracle	2230	1	0	18:30	?	00:00:00	ora_qmnc_orcl
oracle	2326	1	0	18:30	?	00:00:00	ora_cjq0_orcl
oracle	2633	1	0	18:30	?	00:00:00	ora_q000_orcl
oracle	2635	1	0	18:30	?	00:00:00	ora_q001_orcl
oracle	3397	1	0	18:31	?	00:00:00	ora_j000_orcl
oracle	3399	1	0	18:31	?	00:00:00	ora_j001_orcl
root	3416	3331	0	18:31	pts/0	00:00:00	grep --color=auto oracle

[root@centos7 ~]#

192.168.48.129 (root)

TerminalSessionsViewX serverToolsGamesSettingsMacrosHelp

SessionServersToolsGamesSessionsViewSplitMultiExecTunnelingPackagesSettingsHelp

Quick connect...

2. 192.168.48.129 (root)

oracle21701018:30?00:00:00ora_osp0_orcl

oracle21721018:30?00:00:00ora_dia0_orcl

oracle21741018:30?00:00:00ora_mman_orcl

oracle21761018:30?00:00:00ora_dbw0_orcl

oracle21781018:30?00:00:00ora_lgwr_orcl

oracle21801018:30?00:00:00ora_ckpt_orcl

oracle21821018:30?00:00:00ora_smon_orcl

oracle21841018:30?00:00:00ora_reco_orcl

oracle21861018:30?00:00:00ora_mmon_orcl

oracle21881018:30?00:00:00ora_mml_orcl

oracle21901018:30?00:00:00ora_d000_orcl

oracle21921018:30?00:00:00ora_s000_orcl

oracle22241018:30?00:00:00ora_p000_orcl

oracle22261018:30?00:00:00ora_p001_orcl

oracle22281018:30?00:00:00ora_p002_orcl

oracle22301018:30?00:00:00ora_qmnc_orcl

oracle23261018:30?00:00:00ora_cjq0_orcl

oracle26331018:30?00:00:00ora_q000_orcl

oracle26351018:30?00:00:00ora_q001_orcl

oracle33971018:31?00:00:00ora_j000_orcl

oracle33991018:31?00:00:00ora_j001_orcl

root34163331018:31pts/000:00:00grep--color=autooracle

root@centos7 ~]# netstat -nlt

Active Internet connections (only servers)

Proto	Recv-Q	Send-Q	Local Address	Foreign Address	State
PID/Program name					
tcp	0	0	0.0.0.0:111	0.0.0.0:*	LISTEN
749/rpcbind					
tcp	0	0	192.168.122.1:53	0.0.0.0:*	LISTEN
1809/dnsmasq					
tcp	0	0	0.0.0.0:22	0.0.0.0:*	LISTEN
1125/sshd					
tcp	0	0	127.0.0.1:631	0.0.0.0:*	LISTEN
1122/cupsd					
tcp	0	0	127.0.0.1:25	0.0.0.0:*	LISTEN
1543/master					
tcp	0	0	127.0.0.1:6010	0.0.0.0:*	LISTEN
3327/sshd: root@pts					
tcp6	0	0	:::3306	:::*	LISTEN
1768/mysqld					
tcp6	0	0	:::111	:::*	LISTEN
749/rpcbind					
tcp6	0	0	:::1521	:::*	LISTEN
1405/tnslsnr					
tcp6	0	0	:::22	:::*	LISTEN
1125/sshd					
tcp6	0	0	:::1:631	:::*	LISTEN
1122/cupsd					
tcp6	0	0	:::1:25	:::*	LISTEN
1543/master					
tcp6	0	0	:::1:6010	:::*	LISTEN
3327/sshd: root@pts					
tcp6	0	0	:::36318	:::*	LISTEN
2190/ora_d000_orcl					

root@centos7 ~]#

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oracle21781018:30?00:00:00ora_lgwr_orcl

oracle21801018:30?00:00:00ora_ckpt_orcl

oracle21821018:30?00:00:00ora_smon_orcl

oracle21841018:30?00:00:00ora_reco_orcl

oracle21861018:30?00:00:00ora_mmon_orcl

oracle21881018:30?00:00:00ora_mml_orcl

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oracle22261018:30?00:00:00ora_p001_orcl

oracle22281018:30?00:00:00ora_p002_orcl

oracle22301018:30?00:00:00ora_qmnc_orcl

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1809/dnsmasq					
tcp	0	0	0.0.0.0:22	0.0.0.0:*	LISTEN
1125/sshd					
tcp	0	0	127.0.0.1:631	0.0.0.0:*	LISTEN
1122/cupsd					
tcp	0	0	127.0.0.1:25	0.0.0.0:*	LISTEN
1543/master					
tcp	0	0	127.0.0.1:6010	0.0.0.0:*	LISTEN
3327/sshd: root@pts					
tcp6	0	0	:::3306	:::*	LISTEN
1768/mysqld					
tcp6	0	0	:::111	:::*	LISTEN
749/rpcbind					
tcp6	0	0	:::1521	:::*	LISTEN
1405/tnslsnr					
tcp6	0	0	:::22	:::*	LISTEN
1125/sshd					
tcp6	0	0	:::1:631	:::*	LISTEN
1122/cupsd					
tcp6	0	0	:::1:25	:::*	LISTEN
1543/master					
tcp6	0	0	:::1:6010	:::*	LISTEN
3327/sshd: root@pts					
tcp6	0	0	:::36318	:::*	LISTEN
2190/ora_d000_orcl					

root@centos7 ~]#

192.168.48.129 (root)

TerminalSessionsViewX serverToolsGamesSettingsMacrosHelp

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oracle21821018:30?00:00:00ora_smon_orcl

oracle21841018:30?00:00:00ora_reco_orcl

oracle21861018:30?00:00:00ora_mmon_orcl

oracle21881018:30?00:00:00ora_mml_orcl

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oracle22281018:30?00:00:00ora_p002_orcl

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oracle23261018:30?00:00:00ora_cjq0_orcl

oracle26331018:30?00:00:00ora_q000_orcl

oracle26351018:30?00:00:00ora_q001_orcl

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oracle33991018:31?00:00:00ora_j001_orcl

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1125/sshd					
tcp	0	0	127.0.0.1:631	0.0.0.0:*	LISTEN
1122/cupsd					
tcp	0	0	127.0.0.1:25	0.0.0.0:*	LISTEN
1543/master					
tcp	0	0	127.0.0.1:6010	0.0.0.0:*	LISTEN
3327/sshd: root@pts					
tcp6	0	0	:::3306	:::*	LISTEN
1768/mysqld					
tcp6	0	0	:::111	:::*	LISTEN
749/rpcbind					
tcp6	0	0	:::1521	:::*	LISTEN
1405/tnslsnr					
tcp6	0	0	:::22	:::*	LISTEN
1125/sshd					
tcp6	0	0	:::1:631	:::*	LISTEN
1122/cupsd					
tcp6	0	0	:::1:25	:::*	LISTEN
1543/master					
tcp6	0	0	:::1:6010	:::*	LISTEN
3327/sshd: root@pts					
tcp6	0	0	:::36318	:::*	LISTEN
2190/ora_d000_orcl					

root@centos7 ~]#

快照

CentOS 7 64 位 - VMware Workstation

文件(F) 编辑(E) 查看(V) 虚拟机(M) 选项卡(T) 帮助(H)

库

在此处键入...

我的计算机

- CentOS 7 64 位

CentOS 7 64 位

开启此虚拟机

编辑虚拟机设置

设备

内存	3 GB
处理器	4
硬盘 (SCSI)	30 GB
CD/DVD (IDE)	正在使用文件 D:...
网络适配器	NAT
USB 控制器	存在
声卡	自动检测
打印机	存在
显示器	自动检测

描述

在此处键入对该虚拟机的描述。

CentOS 7 64 位 - 快照管理器

系统安装完成

mysql安装完成

oracle安装完成

当前位置

快照详细信息

名称(N):

描述(D):

拍摄快照(T)...

保留(K)

克隆(O)...

删除(E)

没有可用的屏幕截图

☐ 显示自动保护快照(S)

转到(G)

自动保护(A)...

关闭(C)

帮助

已选中“当前位置”

虚拟机详细信息

状态: 已关机

快照: oracle安装完成

配置文件: D:\centos7\CentOS 7 64 位.vmx

硬件兼容性: Workstation Beta 虚拟机

主 IP 地址: 网络信息不可用