# Install a Linux machine and build library:

# How to do it:

1. Deploy an virtual Linux machine. I am using CentOS 7.2
2. The machine can’t be accessed by VNC viewer at first. Configure a ssh connection so that you can use its command window.

In command window

ssh [administrator@your](mailto:administrator@10.148.172.129)IP

1. In ssh command window input using sudo:

yum clean all

yum groupinstall “GNOME Desktop”

yum groupinstall "Development tools"

yum install gnome-core xfce4 firefox

yum install tigervnc-server

if the network access abroad is low, use <http://mirrors.163.com/> instead.

1. Now you have vnc server installed.

Type sudo vncserver to start a port

1. Use vncviewer to connect it
2. Sometimes you meet black screen, to solve it:

1). Edit /root/.vnc/xstartup file:

Comment

#xterm -geometry 80x24+10+10 -ls -title "$VNCDESKTOP Desktop" &  
#twm &

Add

gnome-session &

Delete

–nolisten tcp –nohttpd

2). Edit /etc/sysconfig/vncservers

Uncomment

VNCSERVERS=”1:root”  
VNCSERVERARGS[1]="-geometry 800×600"

3). Make sure you have write permission

chown -R $USER:$USER $HOME

chmod 777 root/.vnc/xstartup

1. Use your account when clone code from github

sudo git clone <https://yourID@git...>

1. Install g++

sudo yum install gcc-c++

or you can simply install all developer tools & libraries

yum groupinstall "Development Tools"

yum groupinstall "Development Libraries"

yum groupinstall "System Tools"

1. Install node.js

curl --silent --location https://rpm.nodesource.com/setup\_7.x | bash -

yum install nodejs

1. Change the font of CentOS terminal

yum -y install dejavu-sans-\* dejavu-serif-fonts

1. Build your library
2. If yum process is locked, type rm -f /var/run/yum.pid
3. 在CentOS7预设不允许以root账号登入gnome图形用户桌面，因此一般使用者登入后，可以在终端机以su root，暂时取得root权限

想在登录界面直接root登录：

vim /etc/gdm/custom.conf

[daemon]

AutomaticLoginEnable=True

AutomaticLogin=root

然后可以删除一般用户 userdel –rf testaccount