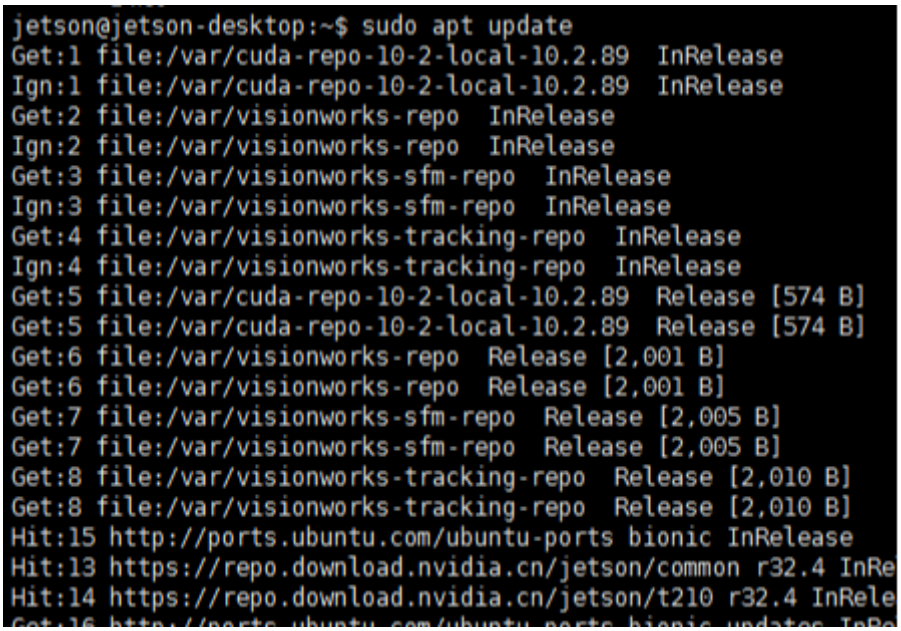
JETSON NANO is controlled via VNC remote desktop

Hint: Configured image, username: jetson original password: yahboom

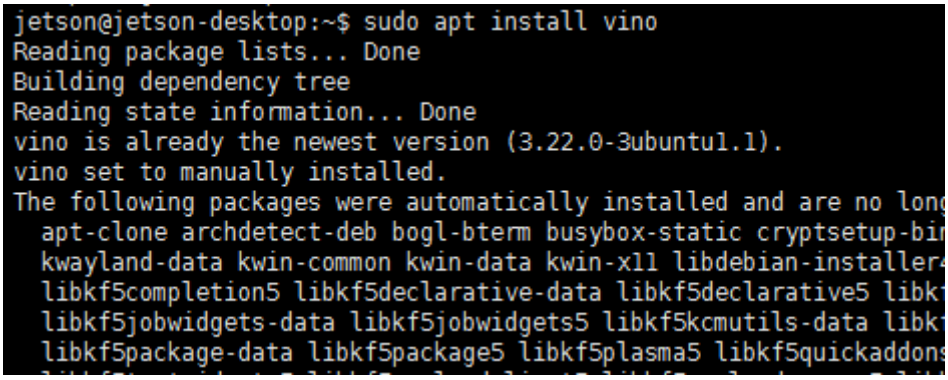
If you are using a configured image, VNC is already configured, you can jump directly to step 6 and log in to VNC based on the current IP address

1. Install vino

```
sudo apt update
```

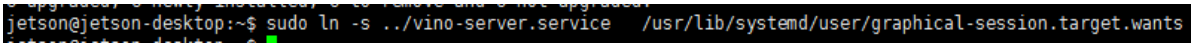



```
sudo apt install vino
```



2. Set Enable VNC service (you can manually open the vnc server at this time)

```
sudo ln -s ../vino-server.service
/usr/lib/systemd/user/graphical-session.target.wants
```



```
# Configure VNC server:
gsettings set org.gnome.Vino prompt-enabled false
gsettings set org.gnome.Vino require-encryption false
```

```
jetson@jetson-desktop:~$ gsettings set org.gnome.Vino prompt-enabled false
jetson@jetson-desktop:~$ gsettings set org.gnome.Vino require-encryption false
```

Edit org.gnome, restore the lost "enabled" parameter, enter the following command to enter the file, and add the key content below to the end of the file. Save and exit.

```
sudo vi /usr/share/glib-2.0/schemas/org.gnome.Vino.gschema.xml
```

```
jetson@jetson-desktop:~$ sudo vi /usr/share/glib-2.0/schemas/org.gnome.Vino.gschema.xml
```

```
<key name='enabled' type='b'>
<summary>Enable remote access to the desktop<summary>
<description>

If true, allows remote access to the desktop via the RFB protocol. Users on
remote machines may then connect to the desktop using a VNC viewer.

<description>
<default>false<default>
<key>
```

```
    <key name='disable-xdamage' type='b'>
      <summary>Whether we should disable the XDamage extension of X.org</summary>
      <description>
        If true, do not use the XDamage extension of X.org. This extension does
        not work properly on some video drivers when using 3D effects.
        Disabling it will make Vino work in these environments, with slower
        rendering as a side effect.
      </description>
      <default>false</default>
    </key>

    <key name='notify-on-connect' type='b'>
      <summary>Notify on connect</summary>
      <description>
        If true, show a notification when a user connects to the system.
      </description>
      <default>true</default>
    </key>
    <key name='enabled' type='b'>
      <summary>Enable remote access to the desktop</summary>
      <description>
         If true, allows remote access to the desktop via the RFB
         protocol. Users on remote machines may then connect to the
         desktop using a VNC viewer.
      </description>
      <default>false</default>
    </key>
  </schema>
</schemalist>
```

Set to Gnome compilation mode

sudo glib-compile-schemas /usr/share/glib-2.0/schemas

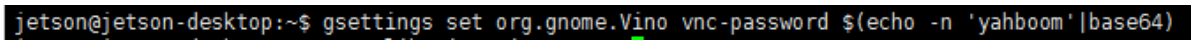
Now the screen sharing panel works in the unit control center... but this is not enough to get vino running! So you need to add the program: Vino-server when the session starts, using the following command line:

```
/usr/lib/vino/vino-server
```

This is a manual start. If you need to start it manually every time, it will be troublesome. The following will set the form of automatic startup at boot.

3. Set the VNC login password (change 'thepassword' to your own password)

```
gsettings set org.gnome.Vino authentication-methods "['vnc']"
gsettings set org.gnome.Vino vnc-password $(echo -n 'thepassword' |base64)
```



4. Restart the machine to verify whether the VNC setting is successful

```
sudo reboot
```

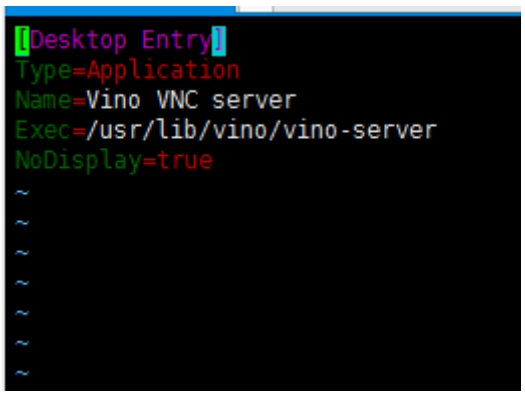
5. Set the VNC Server to start automatically at boot

The VNC server is only available after you log in to Jetson locally. If you want VNC to be automatically available, use the System Settings application to enable automatic login.

```
gsettings set org.gnome.Vino enabled true
mkdir -p ~/.config/autostart
vi ~/.config/autostart/vino-server.desktop
```

Add the following content to the file, save and exit.

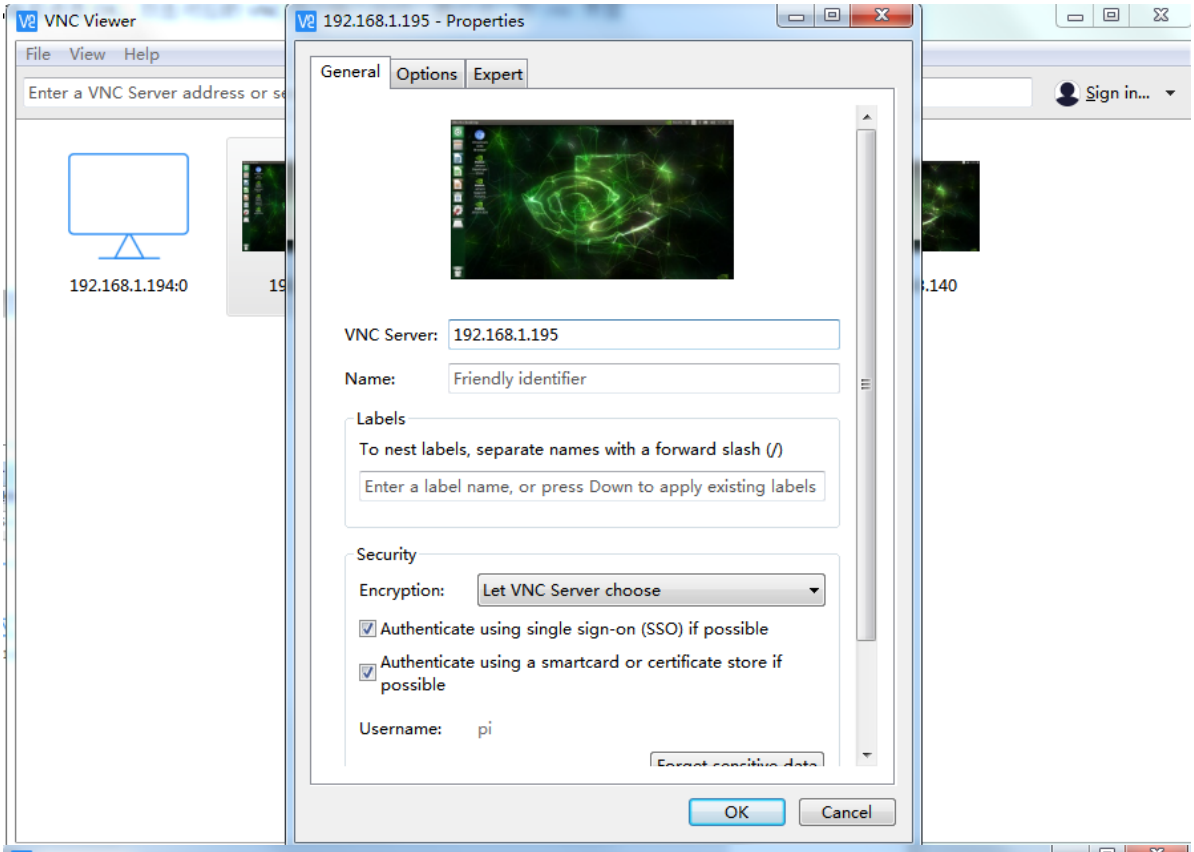
```
[Desktop Entry]
Type=Application
Name=Vino VNC server
Exec=/usr/lib/vino/vino-server
NoDisplay=true
```

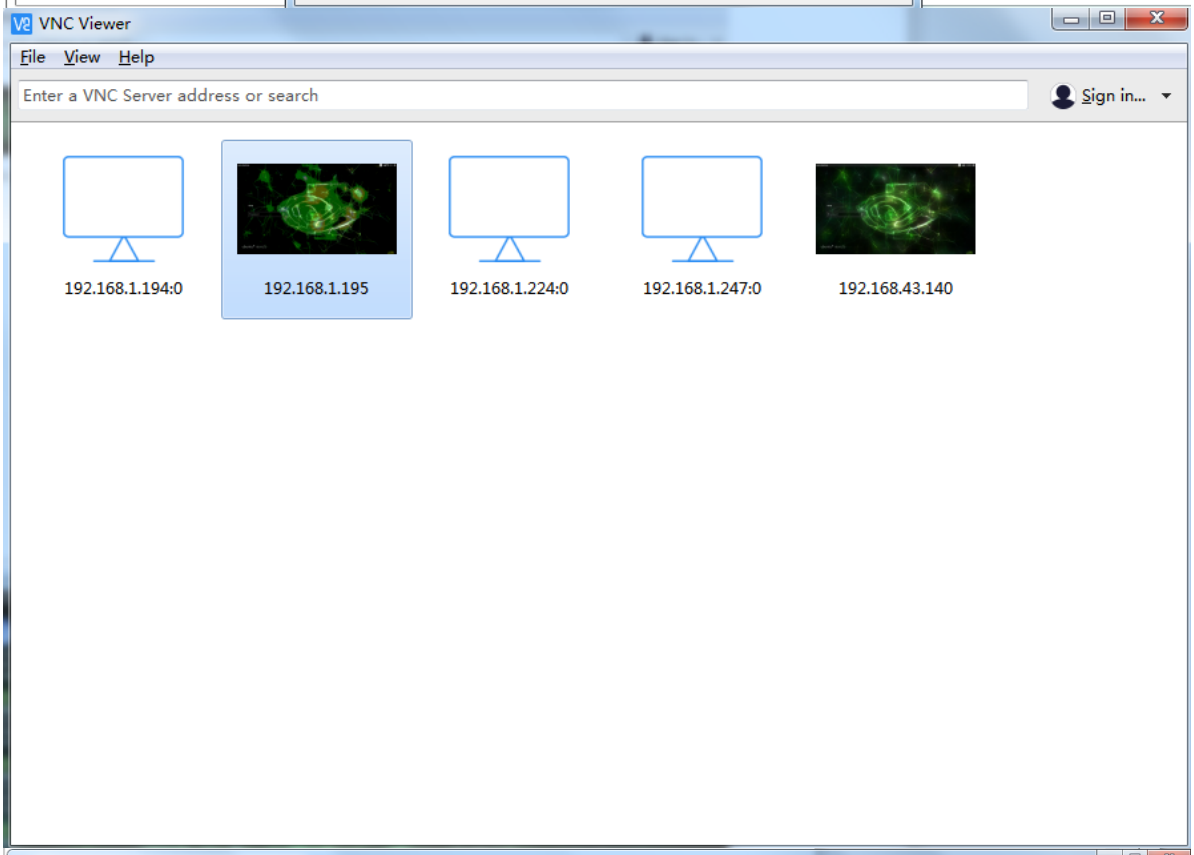


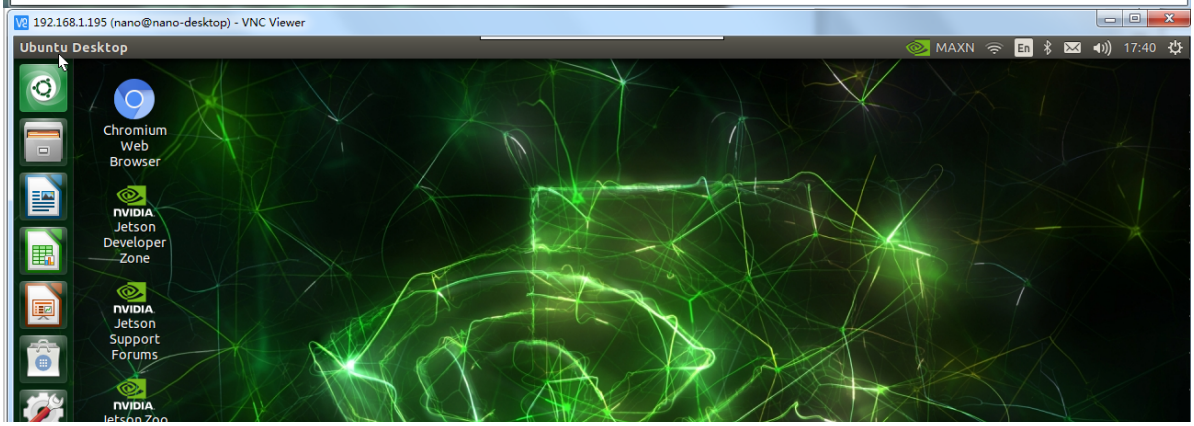
If the system is set to require a user password to enter the desktop, the above script will not start until you enter the desktop. It is recommended to set the system so that users can automatically log in to the desktop.

6. Connect to VNC Server

Use vnc
viewer software to connect to VNC. First, you need to query the IP address. I found 192.168.1.195 here. Enter the IP address and click OK. Double-click the corresponding VNC user and enter the password. Finally, enter the VNC interface


VNC Viewer
File View Help
Enter a VNC Server address or se
Sign in...
192.168.1.194:0
192.168.1.195 - Properties
General
Options
Expert
VNC Server: 192.168.1.195
Name: Friendly identifier
Labels
To nest labels, separate names with a forward slash (/)
Enter a label name, or press Down to apply existing labels
Security
Encryption: Let VNC Server choose
Authenticate using single sign-on (SSO) if possible
Authenticate using a smartcard or certificate store if possible
Username: pi
OK
Cancel


VNC Viewer
File View Help
Enter a VNC Server address or search
Sign in...
192.168.1.194:0
192.168.1.195
192.168.1.224:0
192.168.1.247:0
192.168.43.140


192.168.1.195 (nano@nano-desktop) - VNC Viewer
Ubuntu Desktop
MAXN
17:40
Chromium Web Browser
NVIDIA Jetson Developer Zone
NVIDIA Jetson Support Forums