

Connect JetsonNano to the monitor, keyboard and mouse, plug in the internet cable or click the wifi icon in the upper right corner of the desktop to connect to wifi.

For example, connecting to a WiFi network, it is recommended to use WiFi to connect to the network.

Open the command line terminal in system.(Ctrl+Shift+T).

In this course, we use Win10 system to log in JetsonNano through SSH service as an example. Note that Win10 computer must be in the same local area network as Jetson Nano, that is, connected to the same router.

1. Check the SSH service

1.1 Jetson Nano system has installed SSH service by default, you can input the following command to check whether it is enabled.

If you can see “active”, which means it has been activated.

systemctl status ssh

```
jetson@jetson-desktop:~$ systemctl status ssh
● ssh.service - OpenBSD Secure Shell server
   Loaded: loaded (/lib/systemd/system/ssh.service; enabled; vendor preset: enabled)
   Active: active (running) since Tue 2020-11-24 14:47:11 CST; 1min 45s ago
     Process: 7590 ExecReload=/bin/kill -HUP $MAINPID (code=exited, status=0/SUCCESS)
     Process: 7585 ExecReload=/usr/sbin/sshd -t (code=exited, status=0/SUCCESS)
     Process: 4703 ExecStartPre=/usr/sbin/sshd -t (code=exited, status=0/SUCCESS)
    Main PID: 4972 (sshd)
```

1.2 If there is no SSH service, you can input the following command to restart SSH and add it to the boot-up.

sudo service ssh restart

sudo systemctl enable ssh

```
dofbot@Dofbot:~$ sudo service ssh restart
dofbot@Dofbot:~$ sudo systemctl enable ssh
Synchronizing state of ssh.service with SysV service script with /lib/systemd/sy
stemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable ssh
dofbot@Dofbot:~$
```

2. Obtain IP address

2.1 Input the following command to view IP address.

ifconfig

```

jetson@jetson-desktop:~$ ifconfig
eth0: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
    ether 00:e0:4c:68:00:01 txqueuelen 1000 (以太网)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 0 bytes 0 (0.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
    device interrupt 151 base 0xb000

wlan0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.2.101 netmask 255.255.255.0 broadcast 192.168.2.255
    inet6 fe80::8cfc:ab0b:c254:1f0a prefixlen 64 scopeid 0x20<link>
    ether 76:01:2d:19:3b:1c txqueuelen 1000 (以太网)
    RX packets 33120 bytes 32705686 (32.7 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 8511 bytes 1041620 (1.0 MB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

jetson@jetson-desktop:~$

```

Find wlan0 from the figure, and you can see that the IP address of the system is 192.168.2.101 behind inet.

If you connected to a network cable, please check the IP address at eth0.

3. Install Putty on computer

3.1 Download Putty package on website.

<https://www.chiark.greenend.org.uk/~sgtatham/putty/>

PuTTY: a free SSH and Telnet client

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PuTTY is a free implementation of SSH and Telnet for Windows and Unix platforms, along with an xterm terminal emulator. It is written and maintained primarily by [Simon Tatham](#).

The latest version is 0.74 [Download it here](#).

LEGAL WARNING: Use of PuTTY, PSCP, PSFTP and Plink is illegal in countries where encryption is outlawed. We believe it is legal to use PuTTY, PSCP, PSFTP and Plink in England and Wales and in many other countries, but we are not lawyers, and so if in doubt you should seek legal advice before downloading it. You may find useful information at cryptolaw.org, which collects information on cryptography laws in many countries, but we can't vouch for its correctness.

Use of the Telnet-only binary (PuTTYtel) is unrestricted by any cryptography laws.

Latest news

2020-06-27 PuTTY 0.74 released

PuTTY 0.74, released today, is a bug-fix and security release. It fixes bugs in 0.73, including one possible vulnerability, and also adds a [new configuration option](#) to mitigate a minor information leak in SSH host key policy.

Package files

You probably want one of these. They include versions of all the PuTTY utilities.
(Not sure whether you want the 32-bit or the 64-bit version? Read the [FAQ entry](#).)

MSI ('Windows Installer')

32-bit:	putty-0.74-installer.msi	(or by FTP)	(signature)
64-bit:	putty-64bit-0.74-installer.msi	(or by FTP)	(signature)

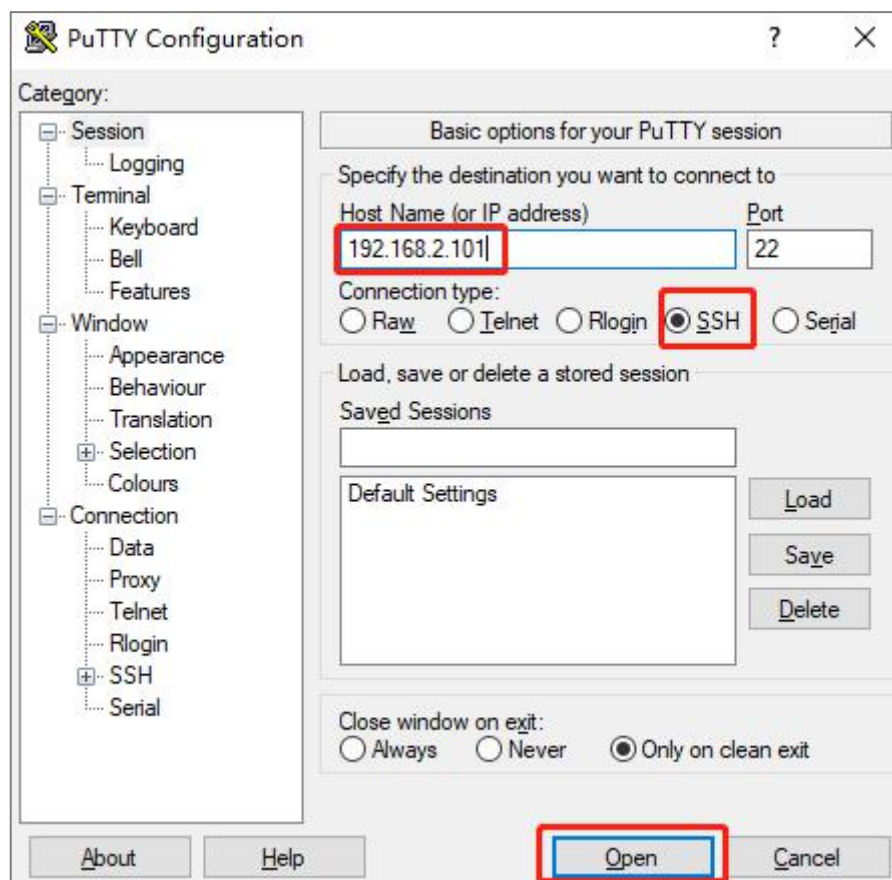
Unix source archive

.tar.gz:	putty-0.74.tar.gz	(or by FTP)	(signature)
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3.2 After the download is complete, you can install it directly

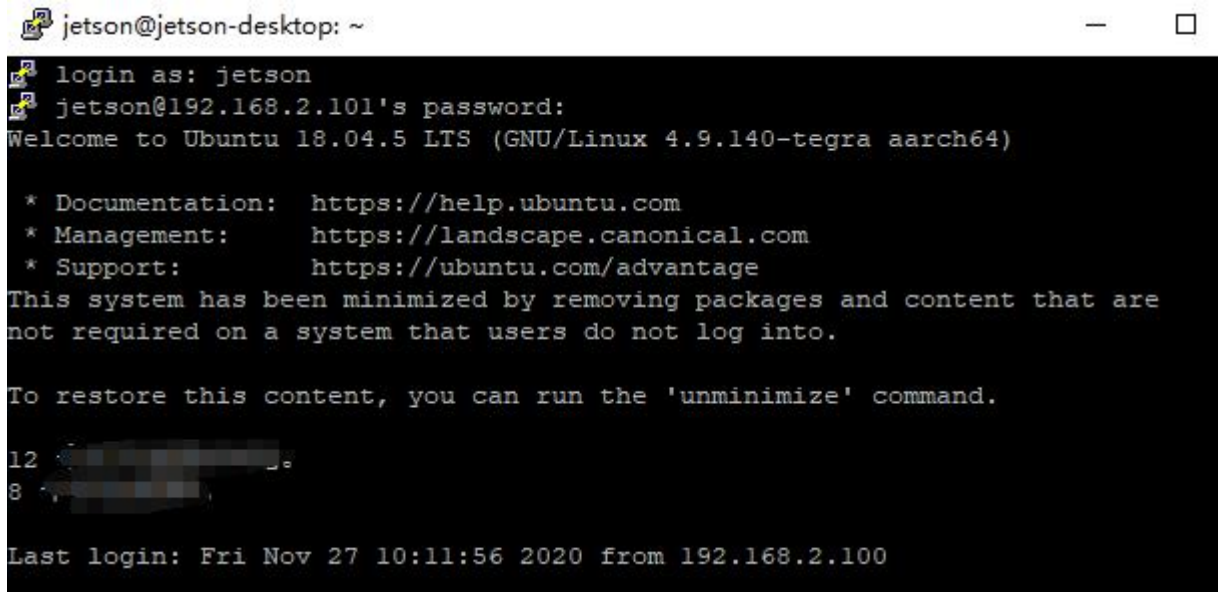
4. Log into system by Putty

4.1 Double-click to open Putty on the computer, select the SSH connection method, and fill your IP address in the Host Name column.



4.2 If any prompt appears, select "YES".

4.3 Input the user name and password. (Password will not be displayed here) Just enter it directly and press "Enter" to confirm.

A terminal window titled 'jetson@jetson-desktop: ~' with standard window controls. The terminal output shows a login process for the user 'jetson' at IP '192.168.2.101'. It displays the Ubuntu 18.04.5 LTS welcome message, system information (GNU/Linux 4.9.140-tegra aarch64), and links for documentation, management, and support. It also includes a message about system minimization and the 'unminimize' command. The login is successful, showing the user's shell prompt 'jetson@jetson-desktop: ~' and the last login time 'Fri Nov 27 10:11:56 2020 from 192.168.2.100'.

```
jetson@jetson-desktop: ~  
login as: jetson  
jetson@192.168.2.101's password:  
Welcome to Ubuntu 18.04.5 LTS (GNU/Linux 4.9.140-tegra aarch64)  
  
 * Documentation:  https://help.ubuntu.com  
 * Management:    https://landscape.canonical.com  
 * Support:       https://ubuntu.com/advantage  
This system has been minimized by removing packages and content that are  
not required on a system that users do not log into.  
  
To restore this content, you can run the 'unminimize' command.  
12  
8  
Last login: Fri Nov 27 10:11:56 2020 from 192.168.2.100
```

4.4 When you see the above picture, it means that we have successfully logged in to Jetson Nano system.