**Change root password:**

Use **passwd** command after connecting with ssh

**3 ways to connect Linux VPS from windows :** (<https://www.linuxbabe.com/linux-server/ssh-windows>)

**1-Windows CMD or powershell (tested)**

To use the OpenSSH client on Windows 10, simply open a PowerShell window or a command prompt window and run the ssh command.  For example, if I want to connect to my Ubuntu desktop in the LAN, I would run

ssh linuxbabe@192.168.0.101

linuxbabe is the username on my Ubuntu desktop and 192.168.0.101 is the private IP address for my Ubuntu desktop. The first time you connect to a Linux computer, you will be prompted to accept the host key. Then enter your password to login. After login, you can run Linux commands to do administrative tasks.

**2- Use SSH in Windows Subsystem for Linux (not tested)**

Windows Subsystem for Linux (WSL) enables you to run native Linux command-line tools directly on Windows 10 (follow instruction in this link: (<https://www.linuxbabe.com/linux-server/ssh-windows>))

**3- Use Putty (tested)**

Putty is a well-known and the most popular SSH client on Windows before the arrival of Windows OpenSSH client and Windows Subsystem for Linux. To use SSH with Putty, you need to [download the Putty program from the official website](https://www.putty.org/) and install it.

Launch Putty from the Start menu. Then enter the IP address or hostname of the Linux box and click the Open button to connect to it.

**How to Set Up SSH Key on Windows 10 (Optional)(not tested)**

There’re mainly two ways of authenticating user login with OpenSSH server:

* password authentication
* public-key authentication: also known as passwordless SSH login because you don’t need to enter your password.

Follow the instruction link (<https://www.linuxbabe.com/linux-server/ssh-windows>)

**How to Install a Desktop (GUI) on an Ubuntu Server: (tested)**

<https://phoenixnap.com/kb/how-to-install-a-gui-on-ubuntu>

I test this method and it worked:

1- sudo apt update && sudo apt upgrade

2 - (install display manager) sudo apt install slim

 ( another option apt install lightdm)

3- (install GUI)

* sudo apt install **ubuntu-desktop** (این دسکتاپ پیش فرضه و یه مقدار سنگینه)
* sudo apt-get install xfce4-session xfce4-goodies (این خیلی سبکتر و سریعتره)
* sudo apt install lxde (سبک تر از همشون)

4- sudo reboot

5- (for removing GUI and display manger)

* Sudo apt remove slim
* Apt remove ubuntu-desktop

**remote Desktop Ubuntu 21.10 from Windows 11 (tested)**

(form this link <https://www.youtube.com/watch?v=lhYZYAOobc4>)

After installing ubunto GUI it’s time to connect to ubuntu by remote desktop from windows

For this task follow these steps ( I did and world)

1- sudo apt install xrdp

2- (enable xrdp everytime you restart ubuntu) : sudo systemctl enable - -now xrdp

3- (allow port 3389 to allow incommoing connection trough the firewall) (its better to disable the whole firewall) **sudo ufw disable**

* A good website to check if a port is reachable or not is : <https://ping.sx/ping>
* Better option than disabling firewall is described here : <https://www.cyberciti.biz/faq/how-to-configure-firewall-with-ufw-on-ubuntu-20-04-lts/>

1- sudo ufw default allow outgoing

2- sudo ufw default allow incomming

3- sudo ufw allow 3389/tcp

(ufw allow in from any to any port xxxx)

(ufw allow out from any to any port xxxx)

4- sudo enable ufw

نکته اگر ufw دیسیبل باشه ممکنه همه ورودی خروخی ها قطع باشه این رو تست کردم. بهتره اینیبل باشه و تو قانون تعریف کنی برای پورت و آی پی خاص)

4- open remote desktop on windows and enter host ip and username and connect to the ubuntu

**How to Configure DNS on your VPS Server**

(<https://www.youtube.com/watch?v=3gSxVzxoaPg>)

What is CDN (content delivery network)