

# How to install Xrdp Server on Debian 11 Bullseye

## Update APT repository cache

Run the system update command on your Debian 11 Bullseye Linux to not only refresh the system cache but also to install any security updates, if available.

```
sudo apt update
```

## Install XRDP on Debian 11 Bullseye

We don't need to add any additional repository to download and install the XRDP on Debian 11, it is already available through the default repo of the system.

```
sudo apt install xrdp
```

```
Reading state information... Done
All packages are up to date.
h2s@h2smedia:~$ sudo apt install xrdp
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  xorgxrdp
Suggested packages:
  guacamole xrdp-pulseaudio-installer
The following NEW packages will be installed:
  xorgxrdp xrdp
0 upgraded, 2 newly installed, 0 to remove and 0 not upgraded.
Need to get 506 kB of archives.
After this operation, 3,238 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://deb.debian.org/debian bullseye/main amd64 xrdp amd64 0.9.11-1 [6 kB]
Get:2 http://deb.debian.org/debian bullseye/main amd64 xorgxrdp amd64 1:0.11.2-1 [59.9 kB]
Fetched 506 kB in 0s (4,944 kB/s)
Selecting previously unselected package xrdp.
(Reading database ... 55%
```

## Check XRDP service status

To know our installed XRDP server is working fine as a service in the background, check its status.

```
systemctl status xrdp
```

If it is not running then start it:

```
sudo systemctl enable --now xrdp
```

```

h2s@h2smedia:~$ systemctl status xrdp
● xrdp.service - xrdp daemon
   Loaded: loaded (/lib/systemd/system/xrdp.service; enabled; vendor p
   Active: active (running) since Wed 2021-12-01 10:36:36 EST; 1min 47
     Docs: man:xrdp(8)
           man:xrdp.ini(5)
   Process: 565 ExecStartPre=/bin/sh /usr/share/xrdp/socksetup (code=ex
   Process: 573 ExecStart=/usr/sbin/xrdp $XRDP_OPTIONS (code=exited, st
 Main PID: 608 (xrdp)
    Tasks: 1 (limit: 5349)
   Memory: 1.5M
      CPU: 25ms
   CGroup: /system.slice/xrdp.service
           └─608 /usr/sbin/xrdp

Warning: some journal files were not opened due to insufficient permissi
[1]+  Stopped                  systemctl status xrdp
h2s@h2smedia:~$ █

```

## Add XRDP user to SSL-Cert group

We need to add our XRDP to the SSL-cert group to access it properly otherwise it will show only a blank screen after establishing a remote desktop connection.

```
sudo adduser xrdp ssl-cert
```

## Restart XRDP server

```
sudo systemctl restart xrdp
```

## Allow port in the firewall

Although port 3389 will automatically get opened, however, still if you have a firewall installed then run the given command once:

```
sudo ufw allow 3389
```

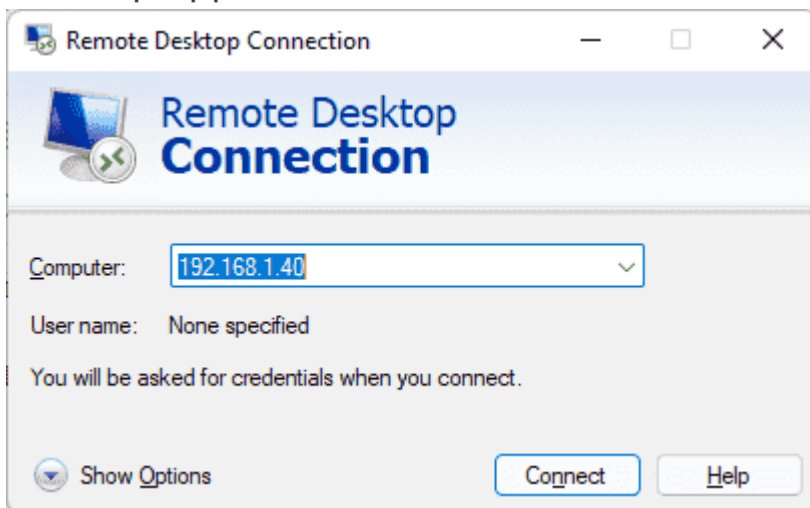
After that check your system IP address and note that.

```
ip a
```

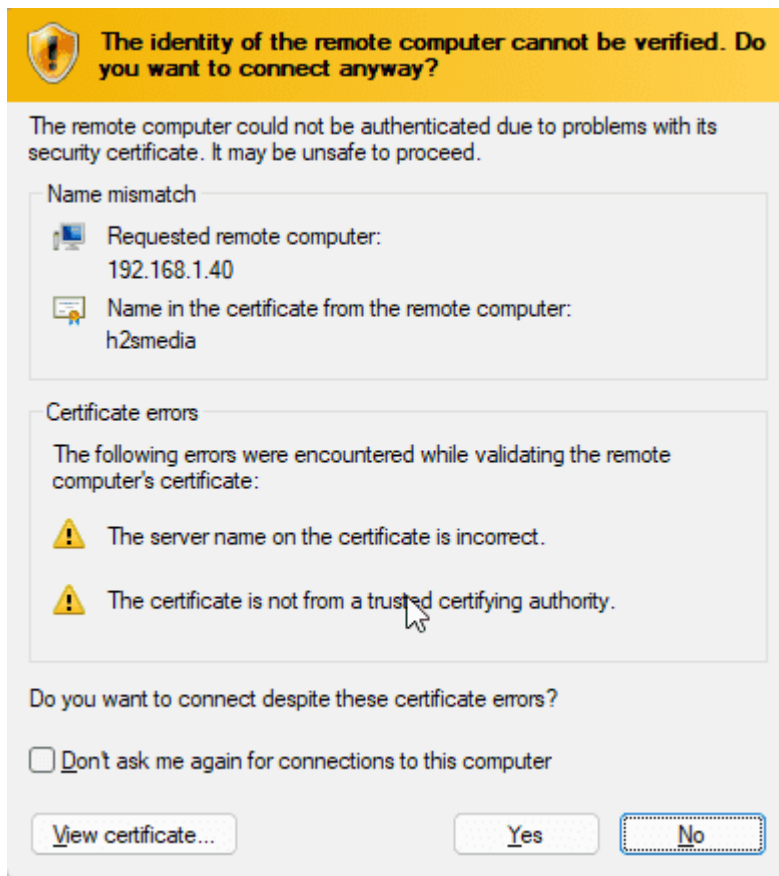
Connect Debian 11 over RDP from Windows 10 or 11  
First, **log out your Debian 11 current session** otherwise you won't be able to access its graphical user interface using the remote desktop connection.

After that go to the **Windows 11/10/7 system** and search for the Remote Desktop app to open it.

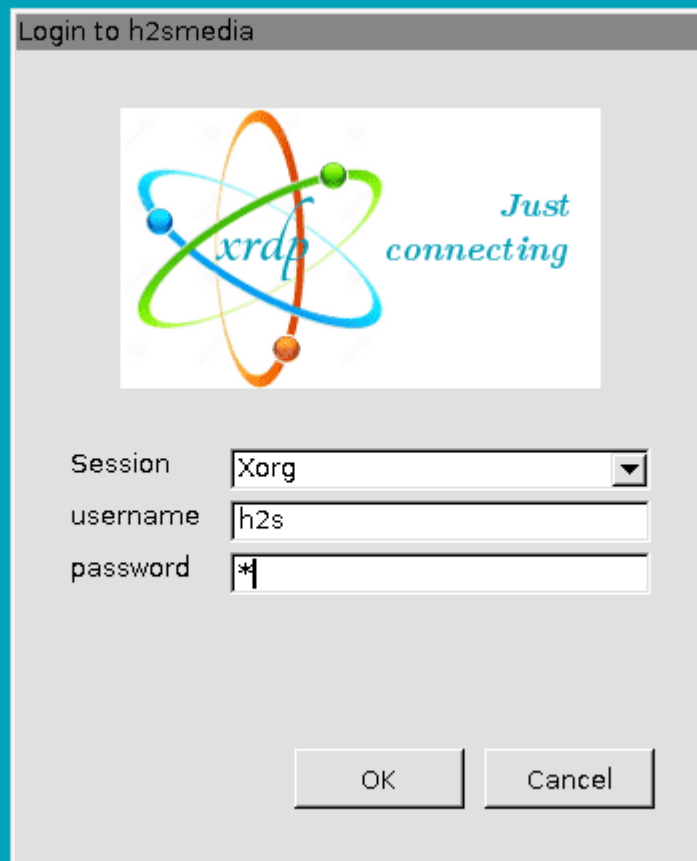
Enter the **IP address of the Debian 11 Server** in the Remote Desktop app.



Accept certificate warnings by clicking the YES button.



Enter the **Debian user** login information



Finally, you will have graphical user interface access to your remote Debian 11 Bullseye on Windows over an RDP connection.

