

X2Go Setup

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<http://wiki.x2go.org/doku.php/doc:installation:x2goserver>
Comparison_of_remote_desktop_software

<https://en.wikipedia.org/wiki/>

Client setup, Windows

Download the installer from <http://wiki.x2go.org/doku.php> and install the client application.

Client setup, Ubuntu

```
sudo apt-get install x2goclient
```

Server side installation, CentOS 7

<http://wiki.x2go.org/doku.php/doc:installation:x2goserver>

Ensure that EPEL is installed and issue

```
sudo yum install x2goserver  
sudo systemctl start x2gocleansessions.service
```

Gnome 3 is not supported. Install either XFCE4 or MATE (Gnome 2 fork): <http://jensd.be/125/linux/rhel/install-mate-or-xfce-on-centos-7>

XFCE:

```
sudo yum groupinstall xfce
```

Server side installation, Ubuntu 14.04

```
sudo add-apt-repository ppa:x2go/stable  
sudo apt-get update  
sudo apt-get install x2goserver x2goserver-xsession
```

Unity desktop is not supported. Install either XFCE4 desktop

```
sudo apt-get install xfce4 xfce4-session
```

To make a full-blown Xubuntu installation (with all bells and whistles), issue

```
sudo apt-get install xubuntu-desktop
```

The other option is to install MATE (Gnome 2 fork): <http://www.omgubuntu.co.uk/2014/08/install-mate-desktop-ubuntu-14-04-lts>

```
sudo apt-add-repository ppa:ubuntu-mate-dev/ppa  
sudo apt-add-repository ppa:ubuntu-mate-dev/trusty-mate  
sudo apt-get update && sudo apt-get upgrade  
sudo apt-get install --no-install-recommends ubuntu-mate-core ubuntu-mate-desktop
```

Check the service status

```
sudo service x2goserver status
```

Server side installation, Xubuntu and Ubuntu Mate 16.04

The installation follows the previous procedure

```
sudo add-apt-repository ppa:x2go/stable
sudo apt-get update
sudo apt-get install x2goserver x2goserver-xsession
sudo service x2goserver status
```

At this writing, Xubuntu and Ubuntu Mate 16.04 need one extra tweak (see. <http://askubuntu.com/questions/763597/x2go-with-ubuntu-mate-xfce-16-04-fails-to-start>). For xfce4, we need the following environment variables:

```
sudo vim /etc/profile.d/x2go_xfce4.sh

# Manually add some paths for x2go
export GSETTINGS_SCHEMA_DIR=/usr/share/xfce4:/usr/local/share:/usr/share:/var/lib/snapd/desktop
export XDG_DATA_DIRS=/usr/share/xfce4:/usr/local/share:/usr/share:/var/lib/snapd/desktop
```

The procedure is similar to Ubuntu Mate:

```
sudo vim /etc/profile.d/x2go_mate.sh

# Manually add some paths for x2go
export GSETTINGS_SCHEMA_DIR=/usr/share/mate:/usr/local/share:/usr/share:/var/lib/snapd/desktop
export XDG_DATA_DIRS=/usr/share/mate:/usr/local/share:/usr/share:/var/lib/snapd/desktop
```

Customize shortcut keys

<http://wiki.x2go.org/doku.php/wiki:advanced:nx-keyboard-shortcuts>

On the server side (i.e. at gradient), issue

```
sudo vi /etc/x2go/keystrokes.cfg
```

And change

```
<keystroke action="close_session" Control="1" AltMeta="1" key="t" />
```

into

```
<keystroke action="close_session" Control="1" AltMeta="1" key="0" />
```

To change session termination key from <Ctrl> + <Alt> + t (which is default for opening Terminal application in Ubuntu) into <Ctrl> + <Alt> + 0, which is not already reserved. Finally, log out from the current x2go-session to reload the new settings.