

# ThinAnywhere Linux Server Installation Instructions

## OS Preparation:

- Server name must be properly set up in DNS or NIS.

If not, make sure machine name and IP address are in `/etc/hosts`

- Open Firewall for the following TCP ports: 27500, 27007, 27700

*(For RHEL7.x)*

If running “firewall-cmd”, run the following commands:

```
firewall-cmd --permanent --add-port=27500/tcp
firewall-cmd --permanent --add-port=27007/tcp
firewall-cmd --permanent --add-port=27700/tcp
```

The firewall can then be restarted with the command:

```
systemctl restart firewalld.service
```

*(For RHEL 6.x and earlier)*

If running “iptables”, the following lines may be added to `/etc/sysconfig/iptables`:

```
-A INPUT -m state --state NEW -m tcp -p tcp --dport 27500 -j ACCEPT
-A INPUT -m state --state NEW -m tcp -p tcp --dport 27007 -j ACCEPT
-A INPUT -m state --state NEW -m tcp -p tcp --dport 27700 -j ACCEPT
```

The firewall can then be restarted with the command:

```
service iptables restart
```

- Allow ThinAnywhere sessions to access the GPU drivers:

Add the line “xhost +” to the file `/etc/gdm/Init/Default`. The line should be added just before the “sysresources=...” line... as follows:

```
xhost +
sysresources=/etc/X11/Xresources
```

# ThinAnywhere Linux Server Installation Instructions

- Install prerequisite RPM packages for ThinAnywhere and FlexNet licensing.

Run the script below (available from the ThinAnywhere download site) to install the prerequisite packages automatically. See note below BEFORE running:

```
sh install-taw-prereq.sh
```

**NOTE:** This script uses “yum” and will try to install the latest available packages or may upgrade some packages on the server machine as necessary. If you would prefer to verify the list of packages, a complete list of packages needed is available on the ThinAnywhere website.

- The server system should also have the GPU and nVidia driver installed – **including 32-bit library support.**

**NOTE:** The mesa-libGL packages may reset the links to “/usr/lib/libGL.so” and “/usr/lib64/libGL.so” that were generated by the nVidia driver installation. If these packages were installed after the nVidia driver, please check the links (below) or reinstall the driver.

```
/usr/lib64/libGL.so -> libGL.so.1  
/usr/lib/libGL.so -> libGL.so.1
```

# ThinAnywhere Linux Server Installation Instructions

## Install and start License server:

- Install the ThinAnywhere FLEX licensing manager bundle.  
The bundle includes a temporary demonstration license.

```
rpm -Uhv tawflexlic-x.x-x.el6.i686.rpm
```

- The license manager software should start automatically. If it does not, please run the following commands:

```
cd /opt/IIPServer/flexnet
```

```
./S90lmgrd start
```

- Check the license status:

```
/opt/IIPServer/flexnet/lmstat -a
```

It will report information about the license server and should contains a line similar to this:

```
Users of taw_server: (Total of 5 licenses issued; Total of 0 licenses in use)
```

## Install ThinAnywhere Server Software:

- Install the ThinAnywhere Server for Linux bundle.

```
rpm -Uhv tawiipserver-xx.x-x.el6.i686.rpm
```

- The ThinAnywhere server software should start automatically. If it does not, please run the following command:

```
tawserver start
```

- Check the status: (press “q” to quit)

```
tawadmin
```

It should display something similar to the lines below:

```
----- ThinAnywhere Login Statistics -----  
Commands: h=Help Screen, t=Toggle Screen, s=Seconds to update,  
          d=Disconnect, k=Kill Session, q=Quit  
User      Logon-Time      S Disp S-ID Type ShmIDPeer-Address:Port  
  
Available licenses: 5
```

The ThinAnywhere software is now ready to use. Please install and run the ThinAnywhere client bundle (ThinSetup\_xxxx.msi) on your client machine to make the remote connection.