VPN: curl -L https://install.pivpn.io | bash

Citrix:

* Download: icaclient\_20.12.0.12\_armhf.deb
* icaclient\_20.12.0.12\_armhf.deb
* cd /opt/Citrix/ICAClient/keystore/cacerts
* for I in `ls /etc/ssl/certs`; do echo $I; sudo ln -s /etc/ssl/certs/$I $I; done

Apache: sudo apt install apache2

Samba: sudo apt install samba samba-common-bin

/etc/samba/smb.conf

smbpasswd -a user

FlightGear: sudo apt install flightgear

Other:

* sudo apt install xterm
* sudo apt-get install iptraf
* sudo apt-get install wireshark

XDMCP & VNC:

Enabled VNC via raspi-config

/boot/config.txt – Can be done using raspi-config setting display resolution

this post applies to the PI 4B  
- without a monitor plugged in VNC would report "Currently can not show desktop"  
- so i followed Dougie's suggestion and edited /boot/config.txt (sudo nano /boot/config.txt)  
(or you can use sudo raspi-config (adv options, resolution)  
hdmi\_force\_hotplug=1  
hdmi\_group=2  
hdmi\_mode=82 (this setting is for 1920 x 1080)  
- this produced a VNC window of 1024 x 768 (w/o a monitor plugged in)  
- also had to comment out these two lines in boot/config.txt to get VNC to open at 1920 x 1080 (w/o a monitor plugged in)  
#dtoverlay=vc-fkms-v3d (this setting is related to opengl)  
#max\_framebuffers=2

/etc/lightdm/lightdm.conf:

[XDMCPServer]

enabled=true

[LightDM]

start-default-seat=false

xserver-allow-tcp=True

[SeatDefaults]

xserver-allow-tcp=false

greeter-session=lightdm-greeter

greeter-hide-users=false

greeter-show-manual-login=true

session-wrapper=/etc/X11/Xsession

[XDMCPServer]

enabled=true

[VNCServer]

List packages in size order: dpkg-query -Wf '${Installed-Size}\t${Package}\n' | sort -n

Apache / https:

<https://phoenixnap.com/kb/openssl-tutorial-ssl-certificates-private-keys-csrs>

<https://www.techrepublic.com/article/how-to-enable-https-on-apache-centos/>

Generate private key

​ sudo openssl genrsa -out ca.key 2048

Generate CSR

​ sudo openssl req -new -key ca.key -out ca.csr

Generate Self Signed Key

​ sudo openssl x509 -req -days 365 -in ca.csr -signkey ca.key -out ca.crt

Remove package and dependancies: sudo apt autoremove XXXXX

24 sudo apt-get install xscreensaver

25 sudo apt-get install xtrlock

42 sudo apt update

43 man apt

44 sudo apt install apache2

53 sudo apt install samba samba-common-lib

54 sudo apt-get install samba samba-common-lib

55 sudo apt install samba samba-common-bin

81 sudo apt install flightgear

89 sudo apt install flightgear

111 sudo apt update

112 sudo apt upgrade

113 sudo apt update

121 sudo apt install citrix

126 sudo vi /etc/apt/sources.list

148 sudo apt install zoom

149 sudo apt install zoom\_armhf

150 sudo apt install zoom\_armhf.deb

157 sudo apt install tcpdump

164 sudo apt install screensaver

165 sudo apt install xscreensaver

166 sudo apt-get install xscreensaver xscreensaver-data-extra xscreensaver-gl-extra

167 sudo apt install xterm

378 sudo apt install telenet

447 sudo apt install iptraf

454 sudo apt-get install iptraf

456 sudo apt-get iptraf

457 sudo apt-get

458 sudo apt-get reinstall iptraf

467 sudo apt-get wireshark

468 sudo apt-get install wireshark

Add certs to apache:

$ sudo apt install snapd

$ sudo snap install core

$ sudo snap refresh core

$ sudo snap install –classic certbot

$ sudo ln -s /snap/bin/certbot /usr/bin/certbot

$ sudo certbot – apache

Moving dump1090-mutability web file locations:

* /etc/apache2/conf-available/dump1090-mut-2.conf
* /etc/apache2/conf-available/dump1090-mut-2.conf
* /etc/lighttpd/conf-available/89-dump1090.conf