

Preliminary and subject to change based on user experience

SSH tunnel setup

Initialise Kerberos credentials `kinit mycernusername@CERN.CH`

Edit/Create your `$HOME/.ssh/config` and add the following

```
Host lxtunnel
    HostName lxplus.cern.ch
    User mycernusername
    Protocol 2
    ForwardX11 no
    PasswordAuthentication no
    LocalForward 22000 np04-srv-013.cern.ch:22
    LocalForward 22001 np04-srv-013.cern.ch:5901
    LocalForward 22002 np04-srv-013.cern.ch:5902
    LocalForward 22003 np04-srv-013.cern.ch:5903
    LocalForward 22004 np04-srv-013.cern.ch:5904
    LocalForward 22005 np04-srv-013.cern.ch:5905
    LocalForward 22006 np04-srv-013.cern.ch:5906
    LocalForward 22007 np04-srv-013.cern.ch:5907
    LocalForward 22008 np04-srv-013.cern.ch:5908
    LocalForward 22009 np04-srv-013.cern.ch:5909

Host np13
    Hostname localhost
    Port 22000
    User mycernusername
```

Add some aliases to your `.bashrc`

```
alias lxtun="ssh -N -C -f -q lxtunnel ; sleep 1 ; [[ \$(ps auxwww | grep lxtunnel | grep -c -v gr
alias lxtunkill="for i in \`ps auxww | grep lxtunnel | grep -v grep | awk '{print \$2}'\`; do ech
```

Try the tunnel

```
source .bashrc
lxtun
```

should report "ok" - if not type `lxtunkill` and try again or check previous steps.

Try connect to np04-srv-013

```
ssh np13
```

VNC setup

ssh to np04-srv-013 and set a VNC password.

```
ssh np13
vncpasswd
```

Create/Replace the file `$HOME/.vnc/xstartup` with the following

```
#!/bin/sh

unset SESSION_MANAGER
unset DBUS_SESSION_BUS_ADDRESS
```

SSH tunnel setup

```
#exec /etc/X11/xinit/xinitrc
exec xfce4-session
```

Make sure the file is executable

```
chmod u+x xstartup
```

Start the VNC server and note the desktop number - e.g. ":1"

```
vncserver
```

OUTPUT: *New 'np04-srv-013:1 (mycernusername)' desktop is np04-srv-013*:1**

Connect via your favourite VNC client with the details Host = localhost Port = 22001 ... 22009 (last digit matches desktop number)

To kill vncserver

Log into np04-srv-013 and kill the relevant server:

```
ssh np13
vncserver -kill :1
```

-- KarolH - 2017-09-26

This topic: CENF > PdspRemoteDesktop
Topic revision: r2 - 2020-03-06 - MarcoRoda



Copyright &© 2008-2022 by the contributing authors. All material on this collaboration platform is the property of the contributing authors.
or Ideas, requests, problems regarding TWiki? use [Discourse](#) or [Send feedback](#)