

NX compression protocol

nxproxy

Tool to efficient tunnel X protocol .

```
remote clients (xterm, etc.)
    ↓
  nxproxy client
    ↓
    Network
    ↓
  nxproxy server
    ↓
local X server (monitor/keyboard)
```

nxagent

Designed to run on remote client with nxproxy. It keeps virtual desktop like console screen application. It support suspend/resume of sessions.

```
remote clients (xterm, etc.)
    ↓
  nxagent server side \
  nxagent client side  nxagent executable
    nxproxy client    /
    ↓
    Network
    ↓
  nxproxy server
    ↓
local X server (monitor/keyboard)
```

Setup

```
apt-get install nxagent nxproxy
```

- remote

Create display :8 on remote host:

```
nxproxy link=1m -C :8
```

- Local

Connect to remote display

```
nxproxy link=1 -S remote_host:8
```

- remote

- xterm **-display :8**

- or run nxagent to setup complete remote desktop on display :9

```
nxagent -display nx/:8 :9
```

X2Go Setup

Debian Buster already contains x2go packages (for older refer to <https://wiki.x2go.org/doku.php/wiki:repositories:debian>)

```
sudo apt-get install x2goserver x2goclient x2goserver-xsession x2goserver-desktopsharing
```

Desktop sharing

Desktopsharing run applet: Application menu -> internet -> X2GO Destkop sharing. New applet icon will appear on taskbar. Click on it and activate desktop sharing.

Start the client.

Preparing the session:

- Create a new session with “session | new session...”.
- Assign a session name.
- As 'host name' give the name of the machine, the session you want to connect to, is running on.
- As 'user name' give your account on the remote machine.
- As 'session type' choose 'connection to local desktop'.
 - Recommended: choose “full screen” on the settings tab. Otherwise, everything can become too small to read.

Use 4k-png compression.

Press 'OK' to save the session.

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