Terminal

Setup

- Ubuntu 24.04 Server
- minified install
- proper network config (set ETHs optional)
- add ssh keys
- disable password auth
- add fbcon=rotate:1 to GRUB_CMDLINE_LINUX_DEFAULT

```
GRUB_CMDLINE_LINUX_DEFAULT="fbcon=rotate:1"
```

- hit update-grub
- apt update && apt upgrade && apt -y install less nano lightdm lightdm-autologin-greeter chromium-browser x11-xserver-utils xinput
- adduser public
- edit /etc/lightdm/lightdm.conf.d/lightdm-autologin-greeter.conf

```
# you really have to configure the below, otherwise
# LightDM auto-login will fail...
autologin-user=public

# put any session from /usr/share/xsessions (strip .desktop from the file names there)
# here, if you want to run any other session than x-session-manager
 autologin-session=e2od
```

- add /etc/lightdm/lightdm.conf.d/99-custom.conf

```
[Seat:*]
greeter-session=lightdm-autologin-greeter
```

- mkdir /usr/share/xsessions
- add /usr/share/xsessions/e2od.desktop

```
[Desktop Entry]
Name=Kiosk Browser Session
Comment=Kiosk Browser
Exec=/usr/share/xsessions/kiosk.sh
TryExec=/usr/bin/chromium-browser
Type=Application
```

- add /usr/share/xsessions/kiosk.sh

```
#!/usr/bin/env bash
# place this file in
# /usr/share/xsessions/kiosk.sh
# and make it executable

# switch off power management and screen saver
xset -dpms
xset s off
xrandr -o right
xinput set-prop "10" --type=float "Coordinate Transformation Matrix" 0 1 0 -1 0 1 0 0 1
xinput set-prop "11" --type=float "Coordinate Transformation Matrix" 0 1 0 -1 0 1 0 0 1
#xinput set-prop "Your Touchpad's name, if applicable" --type=float "Coordinate Transformation
Matrix" 0 -1 1 1 0 0 0 0 1

# detect screen size
SIZE=`xrandr | awk '/\*\+/ {print $1}' | sed 's/x/,/' `
SLEEPTIME="0.2s"
#STARTURL="http://10.13.3.111:3001"
STARTURL="http://127.0.0.1:8080"

# restart browser if stopped
while true; do

chromium-browser --incognito --no-first-run --no-message-box \
                 --noerrdialogs --disable-translate --default-browser \
                 --start-maximized --window-position=0,0 --window-size=1200,1920 \
                 --no-default-browser-check --disable-pinch \
                 --unsafely-treat-insecure-origin-as-secure=$STARTURL \
□□ --auto-accept-camera-and-microphone-capture --kiosk $STARTURL
                 --use-fake-ui-for-media-stream --kiosk $STARTURL
```

```
#chromium-browser --incognito --no-first-run --no-message-box \
#                 --noerrdialogs --disable-translate --default-browser \
#                 --start-maximized --window-position=0,0 --window-size=1200,1920 \
#                 --no-default-browser-check --kiosk $STARTURL

sleep $SLEEPTIME;
done
```

- chmod +x /usr/share/xsessions/kiosk.sh

sketching

toggle display

- xset -display :0.0 dpms force on
- xset -display :0.0 dpms force off

Revision #6
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