Infoscreen RaspberryPi documentation

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1 Description

This is short documentation of RaspberryPi's settings and installed packages for Infoscreen which is running in Startup Sauna.

2 IP addresses

These IP's aren't static so they doesn't necessarily hold.

Left: **10.100.14.75**
Right: **10.100.28.220**

3 Installed packages

cec-utils - This package is to control CEC (Consumer Electronic Control) supported TV via RaspberryPi.

unclutter - Used to remove mouse cursor.

xautomation

iceweasel

4 Config files

4.1 Crontab

To edit crontab, write **crontab -e**.

```
#Shutting screen down at 02:00 and turning it on at 06:00
0 2 * * * /home/pi/infoScreen/scripts/toggleMonitor.sh off </dev/null 2>&1
0 6 * * * /home/pi/infoScreen/scripts/toggleMonitor.sh on </dev/null 2>&1

#Script to make sure that newest events are shown
0 3 * * * sudo kill $(pgrep iceweasel)
2 3 * * * python /home/pi/infoScreen/site/javascript/getEventsV4.py >/dev/null 2>
4 3 * * * mv /home/pi/events.json /home/pi/infoScreen/site/javascript/events.json
5 3 * * * /home/pi/infoScreen/scripts/fullscreen.sh
```

4.2 Autostart

In NOOBS autostart file is located at $\sim /.config/lxsession/LXDE - pi$
In Rasbian Pixel file is located at $\sim /.config/lxsession/LXDE/autostart$

```
@lxpanel --profile LXDE-pi
@pcmanfm --desktop --profile LXDE-pi
@xscreensaver -no-splash
@xset s off
@xset -dpms
@sudo xset s noblank
@unclutter
@/home/pi/fullscreen.sh
```

4.3 Fullscreen script

```
#/bin/sh

#iceweasel info2.aaltoes.com --private-window --display=:0 &
sudo rm -r ~/.cache/mozilla/firefox/*.default/*
iceweasel localhost --display=:0 &
sleep 10;
xte "key_F11" -x:0
```

4.4 Script to toggle TV on/off

```
#!/bin/bash -e

CMD="$1"

function main {
    if [ "$CMD" == "on" ]; then
        echo "on 0" | cec-client -s
    elif [ "$CMD" == "off" ]; then
        echo "standby 0" | cec-client -s
    fi
    exit 0
}

main
```

5 Facebook events

Python script requires tokens given file facetoken.conf. Format is:

```
[FACEBOOK]
app_id:XXX
app_secret:XXX
```

Current fetched Facebook events are from: **aaltoes, sosaaltoes, startup-sauna** You can change them in getEventsV4.py