raspberry pi

lan

inactives

información

- https://www.raspberrypi.org/documentation/
- https://www.raspberrypi.org/documentation/configuration/
- http://www.vichaunter.org/como-se-hace/como-conectar-montar-discos-duros-usb-la-raspberry-pi

```
cat /proc/cpuinfo | grep Model
cat /proc/device-tree/model
sudo lshw -short
```

tutoriales

- raspi-zero USB minicomputer : https://lifehacker.com/turn-a-raspberry-pi-zero-into-a-miniature-dongle-comput-1786996571
- firewall : https://opensource.com/life/16/3/firewall-your-home-network-raspberry-pi
- supercomputer : http://www.instructables.com/id/How-to-Make-a-Raspberry-Pi-SuperComputer/
- «bios»: https://elinux.org/RPiconfig
- /boot/cmdline.txt: https://elinux.org/RPi_cmdline.txt
    - `ip=<static_IP>`

bash

- `$ sudo raspi-config`
- `$ startx` → arranca entorno gráfico
- `$ sudo reboot`
- `$ sudo rpi-update` : actualización firmware
- `$ cat /sys/devices/system/cpu/cpu0/cpufreq/scaling_cur_freq`
- `$ vim /etc/config.txt`
    - arm_freq=700 # defaul 700, hasta 1500 (creo)
    - agp_frep=xxx #
- temperatura:
    - `$ cat /proc/acpi/thermal_zone/ATF0/temperature`
    - `$ cat /sys/class/thermal/thermal_zone0/temp`

reconfiguración teclado

- `dpkg-reconfigure keyboard-configuration`
- `setupcon`

Docker

- https://download.docker.com/linux/debian/dists/buster/pool/stable/armhf/

NFS

- rpcbind
- nfs-common
- nfs-kernel-server

ifconfig

IP estática

/vía: https://pi-hole.net/faq/how-do-i-set-a-static-ip-address-in-raspbian-jessie-using-etcdhcpcd-conf/

- `nano /etc/dhcpcd.conf`
- añadir:

```
interface eth0
static ip_address=192.168.1.141/24
static routers=192.168.1.1
static domain_name_servers=192.168.1.1
```

WIFI (RASPI3)

- scan de redes wifi: `sudo iwlist wlan0 scan`
- configuración:
  - `nano /etc/wpa_supplicant/wpa_supplicant.conf`
  - añadir:

```
network={
    ssid="nombre_red"
    psk="wifi_password"
}
```

  - debería automáticamente, al cabo de unos segundos, conectarse, pero:
    - `reboot`
    - `sudo ifdown wlan0` y `sudo ifup wlan0`
  - /vía: https://www.raspberrypi.org/documentation/configuration/wireless/wireless-cli.md

minecraft

- http://www.lowefamily.com.au/2015/06/21/running-a-minecraft-server-on-raspberry-pi/
- Pi3: https://pimylifeup.com/raspberry-pi-minecraft-server/

- http://picraftbukkit.webs.com/pi-minecraft-server-how-to
  - no usar este server, usar el propio de minecraft, pero si instrucción de arranque
  - https://s3.amazonaws.com/Minecraft.Download/versions/1.8.4/minecraft_server.1.8.4.jar

GPIO

Pibrella

- http://simplesi.net/scratchgpio/addon-boards/pibrella/
- http://www.tecoed.co.uk/pibrella-alarm-system.html
- http://www.amazon.es/gp/offer-listing/B00JACWLSS/ref=dp_olp_0?ie=UTF8&condition=all

From:
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Permanent link:
https://matebcn.eu/raspi:start

Last update: **06/06/2024 11:46**