Dokumentation LINUX

# Netzwerk

## File: /etc/network/interfaces

Content for eth0:

# Wired or wireless interfaces

auto eth0

#--- DHCP ---

#iface eth0 inet dhcp

#--- STATIC address ---

iface eth0 inet static

address 192.168.200.101

netmask 255.255.255.0

# network 192.168.200.0

# gateway 192.168.200.1

# Add radex user

* adduser radex (password = radex)
* mkdir /opt
* mkdir /opt/radex
* copy rx\_boot to /opt/radex (add execution flags!)

# Leds

* /sys/devices/leds/hps\_led0/trigger -> must be writable
* /sys/devices/leds/hps\_led0/brightness -> must be writable

# Autostart (radex.sh)

* mkdir /opt
* mkdir /opt/radex
* copy rx\_boot to /opt/radex (add execution flags!)

Install radex.sh:

# > copy rx\_boot into /opt/radex (add execution rights!)

# > su

# > place radex.sh file into /etc/init.d (add execution rights!)

# > cd /etc/rcS.d

# > ln –s /etc/init.d/radex.sh S98radex.sh

# > sudo update-rc.d radex.sh defaults

# ssh key

in Ubuntu:

* cd to dir with id\_rsa.pub
* ssh-copy-id –i id\_rsa.pub [root@192.168.200.6](mailto:root@192.168.200.6)

# Reset Linux Password

<http://www.psychocats.net/ubuntu/resetpassword>

* Type in the “mount” command as well

Startup Ubuntu with “shift” pressed, select “recovery” mode

* Select “root”
* # mount –o rw,remount
* # passwd [<user>]
* # exit
* Select “resume”

# OpenSSH Server

<https://help.ubuntu.com/10.04/serverguide/openssh-server.html>

* **sudo apt-get install openssh-server**

# File Editor

# sudo pico <filename>

# Reboot

# sudo reboot

# Shut Down

# sudo shutdown -h 0

# VisualGDB Installation

* sudo apt-get install openssh-server
* sudo apt-get install gcc
* suso apt-get install gdb
* sudo apt-get install make
* GDB für embedded:
  + Download <https://launchpad.net/linaro-toolchain-binaries/trunk/2012.04>
  + Use arm-linux-gnueabi-gdb.exe from Linaro directory!

# Copy from Ubuntu to Embedded

* sudo apt-get install sshpass
* sshpass –p ‘rootme’ scp <file-path> [root@192.168.200.11](mailto:root@192.168.200.11):
* echo <password> | scp <file-path> ………