

Aufgabenblatt 05

Tim Zolleis 276068

2.b

Eingebunden unter `ttyUSB0`

2.d

```
tim@host068: ~  
[ OK ] Started Raspberry Pi bluetooth helper.  
Starting Bluetooth service...  
Starting Manage, Install and Generate Color Profiles...  
[ OK ] Started OpenBSD Secure Shell server.  
[ OK ] Started Bluetooth service.  
[ OK ] Reached target Bluetooth.  
Starting Hostname Service...  
[ OK ] Started Manage, Install and Generate Color Profiles.  
[ OK ] Started Hostname Service.  
[ FAILED ] Failed to mount /mnt/nfs.  
See 'systemctl status mnt-nfs.mount' for details.  
[ DEPEND ] Dependency failed for Remote File Systems.  
Starting LSB: Switch to on...unless shift key is pressed)...  
[ OK ] Started Regular background program processing daemon.  
Starting rng-tools.service...  
Starting Permit User Sessions...  
[ OK ] Started Permit User Sessions.  
Starting Terminate Plymouth Boot Screen...  
Starting Hold until boot process finishes up...  
[ OK ] Started rng-tools.service.  
Raspbian GNU/Linux 10 target068.local ttyS0
```

Der Pi zeigt folgenden Knoten an: Raspbian GNU/Linux 10 target068.local ttyS0 (also ttyS0)

2.e

IP-Adresse des Pis: 141.28.56.168

3.e

```
[/mnt/rootfs/bin/busybox: ELF 32-bit LSB executable, ARM, EABI5 version 1 (GNU/Linux), statically linked]  
, for GNU/Linux 3.2.0, BuildID[sha1]=182fae73749fb0e7a309035debf9c29a3e0485dd, stripped  
root@ubuntu-2sh:~#
```

5.a

```
tim@host068: ~  
[ 5.214228] usb 1-1.1: New USB device found, idVendor=0424, idProduct=2514, bcdDevice= b.b3  
[ 5.227915] usb 1-1.1: New USB device strings: Mfr=0, Product=0, SerialNumber=0  
[ 5.239012] hub 1-1.1:1.0: USB hub found  
[ 5.246024] hub 1-1.1:1.0: 3 ports detected  
[ 5.606021] dwc_otg_handle_wakeup_detected_intr lxstate = 2  
[ 6.133923] usb 1-1.1.1: new high-speed USB device number 4 using dwc_otg  
[ 6.264406] usb 1-1.1.1: New USB device found, idVendor=0424, idProduct=7800, bcdDevice= 3.00  
[ 6.278555] usb 1-1.1.1: New USB device strings: Mfr=0, Product=0, SerialNumber=0  
[ 6.558299] lan78xx 1-1.1.1:1.0 (unnamed net_device) (uninitialized): No External EEPROM. Setting MAC Speed  
[ 6.584251] lan78xx 1-1.1.1:1.0 (unnamed net_device) (uninitialized): int urb period 64  
[ 6.614373] EXT4-fs (mmcblk0p2): recovery complete  
[ 6.628235] EXT4-fs (mmcblk0p2): mounted filesystem with ordered data mode. 0 pts: (null)  
[ 6.642344] VFS: Mounted root (ext4 filesystem) readonly on device 179:2.  
[ 6.652526] devtmpfs: mounted  
[ 6.666015] Freeing unused kernel memory: 1024K  
[ 6.694379] Run /sbin/init as init process
```

```
tim@host068: ~  
[ 4.765023] hub 1-1:1.0: 4 ports detected  
Please press Enter to activate this console. [ 5.083890] usb 1-1.1: new high-speed USB device number 3 using dwc_otg  
[ 5.224240] usb 1-1.1: New USB device found, idVendor=0424, idProduct=2514, bcdDevice= b.b3  
[ 5.238262] usb 1-1.1: New USB device strings: Mfr=0, Product=0, SerialNumber=0  
[ 5.249420] hub 1-1.1:1.0: USB hub found  
[ 5.256432] hub 1-1.1:1.0: 3 ports detected  
[ 5.616450] dwc_otg_handle_wakeup_detected_intr lxstate = 2  
[ 6.133882] usb 1-1.1.1: new high-speed USB device number 4 using dwc_otg  
[ 6.264391] usb 1-1.1.1: New USB device found, idVendor=0424, idProduct=7800, bcdDevice= 3.00  
[ 6.278581] usb 1-1.1.1: New USB device strings: Mfr=0, Product=0, SerialNumber=0  
[ 6.557791] lan78xx 1-1.1.1:1.0 (unnamed net_device) (uninitialized): No External EEPROM. Setting MAC Speed  
[ 6.586727] lan78xx 1-1.1.1:1.0 (unnamed net_device) (uninitialized): int urb period 64  
  
/ #  
/ #  
/ #
```

```
tim@host068:/$ |
[ 5.248339] usb 1-1.1: New USB device strings: Mfr=0, Product=0, SerialNumber=0
[ 5.259533] hub 1-1.1:1.0: USB hub found
[ 5.266482] hub 1-1.1:1.0: 3 ports detected
[ 5.626484] dwc_otg_handle_wakeup_detected_intr lxstate = 2
[ 6.133929] usb 1-1.1.1: new high-speed USB device number 4 using dwc_otg
[ 6.264439] usb 1-1.1.1: New USB device found, idVendor=0424, idProduct=7800, bcdDevice= 3.00
[ 6.278609] usb 1-1.1.1: New USB device strings: Mfr=0, Product=0, SerialNumber=0
[ 6.557390] lan78xx 1-1.1.1:1.0 (unnamed net_device) (uninitialized): No External EEPROM. Setting MAC Speed
[ 6.586158] lan78xx 1-1.1.1:1.0 (unnamed net_device) (uninitialized): int urb period 64

/ # ls
bin      dev      home     linuxrc  mnt      proc     sys      usr
boot     etc      lib      media    opt      sbin     tmp      var
/ # mount -t sysfs none /sys
/ # mount -t proc none /proc
/ # ifconfig eth0 141.28.56.168
[ 56.855375] lan78xx 1-1.1.1:1.0 eth0: kevent 4 may have been dropped
/ # [ 56.874628] random: crng init done
```

5.b

```
64 bytes from 141.28.56.168: icmp_seq=3 ttl=64 time=0.883 ms
64 bytes from 141.28.56.168: icmp_seq=4 ttl=64 time=0.947 ms
64 bytes from 141.28.56.168: icmp_seq=5 ttl=64 time=1.054 ms
64 bytes from 141.28.56.168: icmp_seq=6 ttl=64 time=0.779 ms
```

5.g

Dieser Befehl (`mount -o remount,rw /dev/root /`) muss auch in rcS eingetragen werden

```
← → ↻ ⚠ Nicht sicher 141.28.56.168
```

Der ist schon der angezeigte Text