

实验一常见问题

1. 制作Initramfs加载busybox时出现can't open /dev/tty2: No such file or directory报错:

在实验1的编译并启动BusyBox部分,完成initramfs的制作后使用qemu启动内核加载busybox时可能出现下列报错:

```
qemu-system-i386 -kernel linux-5.10.19/arch/x86/boot/bzImage -initrd initramfs-busybox-x86.cpio.gz -nographic -append "console=ttyS0"
```

```
Please press Enter to activate this console. [    1.749633] tsc: Refined TSC clk
[    1.751779] clocksource: tsc: mask: 0xfffffffffffffff max_cycles: 0x22df08as
[    1.753234] clocksource: Switched to clocksource tsc
[    1.895314] input: ImExPS/2 Generic Explorer Mouse as /devices/platform/i8043
can't open /dev/tty2: No such file or directory
can't open /dev/tty4: No such file or directory
can't open /dev/tty3: No such file or directory
can't open /dev/tty2: No such file or directory
can't open /dev/tty4: No such file or directory
can't open /dev/tty3: No such file or directory
can't open /dev/tty2: No such file or directory
can't open /dev/tty4: No such file or directory
can't open /dev/tty3: No such file or directory
can't open /dev/tty2: No such file or directory
can't open /dev/tty4: No such file or directory
can't open /dev/tty3: No such file or directory
can't open /dev/tty2: No such file or directory
can't open /dev/tty4: No such file or directory
can't open /dev/tty3: No such file or directory
```

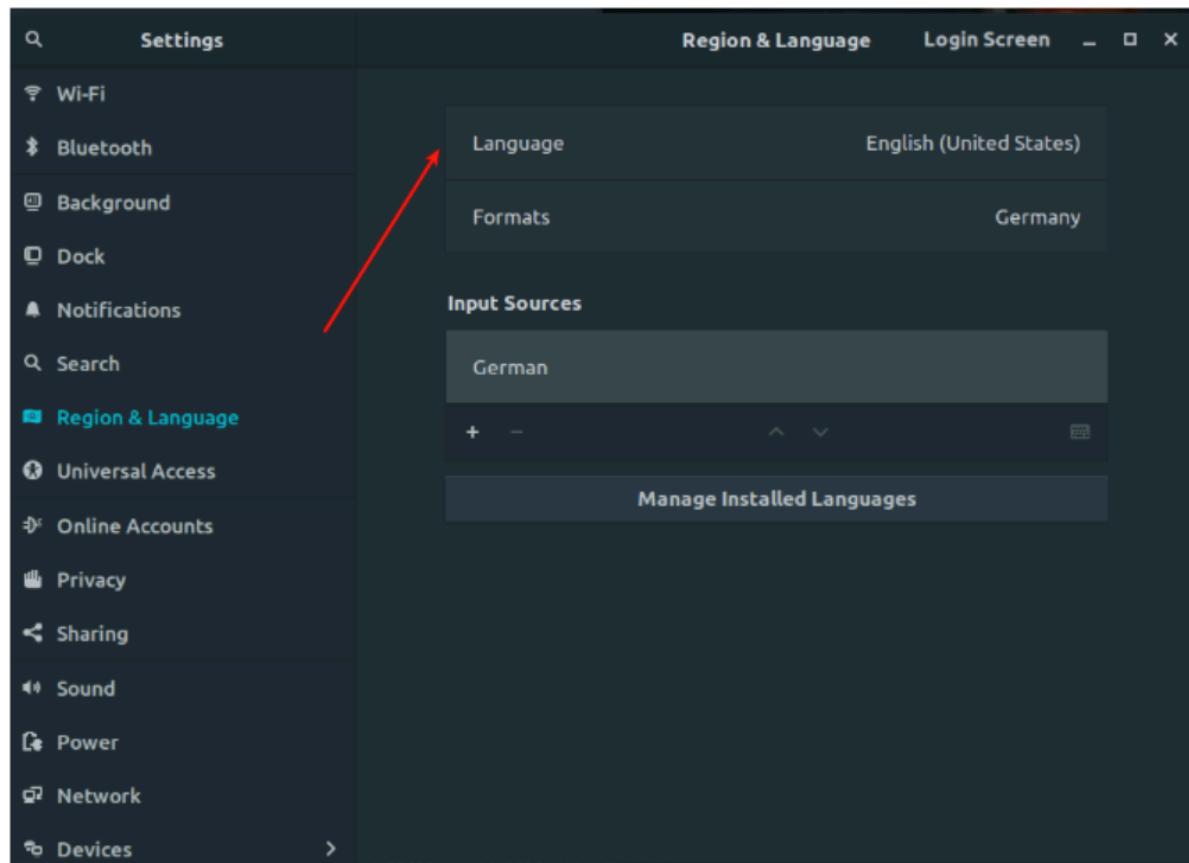
这大概率是由于在initramfs制作的init的shell脚本程序时未显示指定sh解释器的原因。将原先的init程序修改为如下即可:

```
#!/bin/sh
mount -t proc none /proc
mount -t sysfs none /sys
echo -e "\nBoot took $(cut -d' ' -f1 /proc/uptime) seconds\n"
exec /bin/sh
```

2. 进入ubuntu 18.04后打不开terminal

进入ubuntu 18.04可能会出现打不开terminal的问题，解决方案如下:

随便修改一次语言格式重新登录即可



参考：

https://blog.csdn.net/code_peak/article/details/118769180

3. 用户名 is not in the sudoers file

新安装的 Ubuntu 在普通用户下用 sudo 执行命令时报：“xxx is not in the sudoers file. This incident will be reported” 错误。

解决方法就是在 /etc/sudoers 文件里给该用户添加权限。如下：

```
#切换到root用户
su
#编辑配置文件
vim /etc/sudoers
#增加配置，在打开的配置文件中，找到root ALL=(ALL) ALL，在下面添加一行
#其中xxx是你要加入的用户名
xxx ALL=(ALL) ALL
```

参考：

https://blog.csdn.net/weixin_49192027/article/details/114702099