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openthos / **system-analysis**

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about HP linux kernel wireless lan driver #13

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Open   **xiaoluoyuan** opened this issue on 22 Apr · 2 comments

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xiaoluoyuan commented on 22 Apr • edited   +😊 ✏

在HP测试笔记本中安装android-x86后，准备安装测试应用，但无线网失效
记录下解决过程...

对比查看正常无线网卡的ubuntu系统相关信息，设备是Broadcom BCM4365，并使用wl模块驱动

```
lspci -k
01:00.0 Class 0280: 14e4:4365 <linux module>
```

确保按照https://wireless.wiki.kernel.org 中正确配置驱动

请教MJJ，
```
 ip link
```
没有无线设备

```
cd /sys/bus/pci/devices/0000:01:00.0
```
发现driver使用的是bcma模块，不正确
于是：

```
rmmod bcma
rmmod wl
modprobe wl

ip link
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN mode DEFAULT qlen 1
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
2: sit0@NONE: <NOARP> mtu 1480 qdisc noop state DOWN mode DEFAULT qlen 1
    link/sit 0.0.0.0 brd 0.0.0.0
3: ip6tnl0@NONE: <NOARP> mtu 1452 qdisc noop state DOWN mode DEFAULT qlen 1
    link/tunnel6 :: brd ::
4: wlan0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP mode DORMAN
    link/ether d8:5d:e2:bb:46:c5 brd ff:ff:ff:ff:ff:ff
```

发现存在设备了，于是重启wifi

```
svc wifi disable
svc wifi enable
```

成功搜索到无线网，但重启后问题仍旧
修改文件：
```
/lib/modules/4.4.4-android-x86_64/modules.alias
```
注释行：
```
alias pci:v000014E4d00004365sv*sd*bc*sc*i* bcma
```
OK

🔖   😀 **elliott10** referenced this issue on 8 Jun

20160608-openthos测试例会纪要 #30   Open

---

elliott10 commented on 28 Jun   openthos member   +😊 ✏ ✕

对于Android-X86的独立显卡的关闭
/sys/kernel/debug/vgaswitcheroo/switch 写文件方式失败
module blacklist.conf配置nouveau方式失败

Labels   ⚙
None yet

Milestone   ⚙
No milestone

Assignees   ⚙
No one—assign yourself

2 participants

Notifications

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/lib/modules/4.4.4-android-x86_64/modules.alias注释nouveau方式成功

elliott10 commented just now 　　　　　　　　　　openthos member ＋😃 ✏ ✕

openthos 部分笔记本无线网驱动的支持

最新的**4.4内核**的**openthos**测试机：联想微型笔记本，**ACER**笔记本 俩无线网卡无法使用

查看无线网卡类型，
联想微型笔记本：`Intel Corporation Wireless 3160, Kernel modules: iwlwifi`
ACER笔记本：`Intel Corporation Wireless 7265 , Kernel modules: iwlwifi`

分析内核log，发现无线网卡驱动加载出错，错误类型类似于：

```
iwlwifi 000:02:00.0: Direct firmware load for iwlwifi-7265-13.ucode failed with error -2
no suitable firmware found!
```

分析应该是最新的4.4内核，其无线网卡的firmware无法正常加载使用
遂在wireless.wiki.kernel.org/en/users/drivers寻找到对应内核和网卡类型的firmware
成功启动无线网

已提交 至multiwindow分支

Write　　Preview　　　　　　　　AA⌄ B *i*　　❝ <> 🔗　　☰ ☷ ✓☰　　↩⌄ @ 🔖

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