

Status:	CLOSED	Start date:	2022-10-28
Priority:	Normal	Due date:	
Assignee:	CDTS_TEST 刘勇	% Done:	50%
Category:	BSP	Estimated time:	0.00 hour
Target version:	VX1_MCE_FSE_V3.0_update_20221115	Found Version:	FlatBuild_HH_VX1_MCE_FSE.M.D.user.01.00.X101.2
Need_Info:	--	Degrated:	--
Resolution:	--	Verified Version:	
Severity:	Normal	Fixed Version:	
Reproducibility:	Every time	Root cause:	
Test Type:	IT		
Description			
【前提条件】 1.烧录版本后，上电开机 【操作步骤】 1.使用命令读取wifi、BT、Ethernet的MAC地址 <pre>adb shell getprop ro.boot.wifimac adb shell getprop ro.boot.btmac adb shell getprop ro.boot.eth0mac</pre> 2.查看设备 --Setting-关于平板电脑 蓝牙mac/Wlanmac 【实际结果】 命令读取和 设备中的蓝牙地址、wifi地址显示不一致 【期望结果】 命令读取和设备中的蓝牙MAC/WIFIMAC一致			

History

#1 - 2022-10-28 16:30 - CD BSP-杜磊

添加如下代码到wifi驱动里面，获取mac地址

```
+static int __init get_wifi_mac(char *str)

+{

+   pr_err("%s: str: %s\n", func, str);

+   return 1;

+}

+__setup("androidboot.wifimac=", get_wifi_mac);
```

#2 - 2022-10-31 14:20 - CD LC 陶洪普

- Status changed from New to ASSIGNED

patch修改中，今日提交。

#3 - 2022-10-31 23:04 - CD LC 陶洪普

BT:

<https://dev.thundercomm.com/gerriit/c/general/LINUX/android/vendor/qcom/proprietary/+159133>

#4 - 2022-10-31 23:57 - CD LC 陶洪普

----wlan Log----

```
10-21 01:15:19.584 1932 1932 D wpa_supplicant: nl80211: Own MAC address on ifindex 17 (wlan0) changed from 72:b2:05:f2:73:35 to 00:03:7f:12:ae:e0
10-21 01:15:19.607 1428 1468 D LOWI-9.0.0.87.a: [LOWIWifiDriverUtils] getWifiIdentityFromIoctl: ioctl(GET_MAC_ADDR) return: 0, Mac = 00:03:7f:12:ae:e0
10-21 01:15:19.633 1442 1859 I WifiClientModeImpl[wlan0]: Connecting with 00:03:7f:12:ae:e0 as the mac address
```

#5 - 2022-10-31 23:59 - CD LC 陶洪普

- Target version changed from VC1_FSE_展车SW_20221030 to VX1_MCE_FSE_V3.0_update_20221115

WLAN MAC settings has some problems.

As the 1030 has expired, change to 1115.

Will complete with high priority.

#6 - 2022-11-01 00:10 - CD LC 陶洪普

```
1044 static void nl80211_refresh_mac(struct wpa_driver_nl80211_data *drv,
1045     int ifindex, int notify)
1046 {
1047     struct i802_bss *bss;
1048     u8 addr[ETH_ALEN];
1049
1050     bss = get_bss_ifindex(drv, ifindex);
1051     if (bss &&
1052         linux_get_ifhwaddr(drv->global->ioctl_sock,
1053             bss->ifname, addr) < 0) {
1054         wpa_printf(MSG_DEBUG,
1055             "nl80211: s: failed to re-read MAC address",
1056             bss->ifname);
1057     } else if (bss && os_memcmp(addr, bss->addr, ETH_ALEN) != 0) {
1058         wpa_printf(MSG_DEBUG,
1059             "nl80211: Own MAC address on ifindex %d (%s) changed from "
1060             MACSTR " to " MACSTR,
1061             ifindex, bss->ifname,
1062             MAC2STR, MAC2STR);
1063         os_memcpy(bss->addr, addr, ETH_ALEN);
```

#7 - 2022-11-07 14:16 - CD LC 陶洪普

wifi patch

<http://dev.thundercomm.com/gerrit/c/general/platform/packages/modules/Wifi/+160638>

#8 - 2022-11-07 15:38 - CD LC 陶洪普

BT:

<https://dev.thundercomm.com/gerrit/c/general/LINUX/android/vendor/qcom/proprietary/+159133>

wifi patch

<http://dev.thundercomm.com/gerrit/c/general/platform/packages/modules/Wifi/+160638>

Jenkins

http://10.0.76.24:8080/job/VerifyBuild_for_IOT_6490/2167/

#9 - 2022-11-07 15:39 - CD LC 陶洪普

- % Done changed from 0 to 30

#10 - 2022-11-08 09:49 - CDTs_TEST 刘勇

- Subject changed from 【BSP】【EVT2】【WIFI】【必现】【Userdebug】wifi/BT的MAC读取和系统显示不一致 to 【BSP】【EVT2】【WIFI】【5/5】
【Userdebug】wifi/BT的MAC读取和系统显示不一致

#11 - 2022-11-10 09:57 - CD LC 陶洪普

版本已经编译出来了,今天自验证.

#12 - 2022-11-11 00:46 - CD LC 陶洪普

通过property保存的MAC地址没有冒号分隔符号,导致解析出错.更新了patch.

在重新编译中

http://10.0.76.24:8080/job/VerifyBuild_for_IOT_6490/2287/

#13 - 2022-11-14 01:41 - CD LC 陶洪普

本地已验证通过

http://10.0.76.24:8080/job/VerifyBuild_for_IOT_6490/2325/

下一步: review&入库。

#14 - 2022-11-14 17:58 - 移动测试一组_CDTs 刘强

测试版本: FlatBuild_HH_VX1_MCE_FSE.M.D.userdebug.01.00.X101.202211141239

命令获取MAC:

C:\Users\liuqiang0703>adb shell getprop ro.boot.wifimac

F074E43A1921

C:\Users\liuqiang0703>adb shell getprop ro.boot.eth0mac

F074E43A19C1

C:\Users\liuqiang0703>adb shell getprop ro.boot.btmac

F074E43A1881

ifconfig 获取mac地址：

1|figure:/ # ifconfig wlan0 （网络随机分配mac模式）

```
wlan0  Link encap:Ethernet HWaddr 42:ad:b2:d8:07:4c Driver cnss_pci
        UP BROADCAST MULTICAST MTU:1500 Metric:1
        RX packets:2872 errors:0 dropped:0 overruns:0 frame:0
        TX packets:2929 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:3000
        RX bytes:986331 TX bytes:888494
```

1|figure:/ # ifconfig wlan0 （使用设备mac模式）

```
wlan0  Link encap:Ethernet HWaddr a2:9a:3f:20:9e:c2 Driver cnss_pci
        UP BROADCAST MULTICAST MTU:1500 Metric:1
        RX packets:2872 errors:0 dropped:0 overruns:0 frame:0
        TX packets:2929 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:3000
        RX bytes:986331 TX bytes:888494
```

figure:/ # ifconfig eth0

```
eth0   Link encap:Ethernet HWaddr 00:80:0f:74:31:00 Driver lan743x
        UP BROADCAST MULTICAST MTU:1500 Metric:1
        RX packets:0 errors:0 dropped:0 overruns:0 frame:0
        TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:1000
        RX bytes:0 TX bytes:0
```

设备about phone中mac地址

WIFI：F074E43A19C1

BTmac：F074E43A1881

综上：

getprop ro.boot.wifimac：F074E43A19C1

getprop ro.boot.eth0mac：F074E43A1921

getprop ro.boot.btmac：F074E43A1881

与系统设置界面中的WIFI/BTmac地址显示一致，

WIFI：F074E43A19C1

BTmac: F074E43A1881

但是与ifconfig读取的mac地址不一致

WIFI：42:ad:b2:d8:07:4c/a2:9a:3f:20:9e:c2

Eth：00:80:0f:74:31:00

#15 - 2022-11-14 19:41 - 移动测试一组_CDTs 刘强

Update

根据RD备注：wifi的MAC如果之前已经启动，需要恢复出厂设置生效

即如果写入mac地址之后，后续修改需要生效，必须恢复一次出厂设置，或者烧机前勾选erase userdata；（一次即可）

恢复出厂设置后，后续再进行刷机（不擦除userdata）同样wlan0可以正常同步显示

figure:/ # ifconfig eth0

```
eth0   Link encap:Ethernet HWaddr 00:80:0f:74:31:00 Driver lan743x
        UP BROADCAST MULTICAST MTU:1500 Metric:1
        RX packets:0 errors:0 dropped:0 overruns:0 frame:0
```

TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1000
RX bytes:0 TX bytes:0

figure:/ # ifconfig wlan0

wlan0 Link encap:Ethernet HWaddr 02:52:a4:aa:2e:44 Driver cnss_pci
UP BROADCAST MULTICAST MTU:1500 Metric:1
RX packets:0 errors:0 dropped:0 overruns:0 frame:0
TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:3000
RX bytes:0 TX bytes:0

figure:/ # service call bluetooth_manager 12

Result: Parcel(
0x00000000: 00000000 00000011 00300046 0037003a '.....F.0.:7.'
0x00000010: 003a0034 00340045 0033003a 003a0041 '4.:.E.4.:3.A.:.'
0x00000020: 00380031 0038003a 00000031 '1.8.:8.1... ')

C:\Users\liuqiang0703>adb shell getprop ro.boot.btmac
F074E43A1881

C:\Users\liuqiang0703>adb shell getprop ro.boot.eth0mac
F074E43A19C1

C:\Users\liuqiang0703>adb shell getprop ro.boot.wifimac
F074E43A1921

系统界面显示：

btmac
F074E43A1881
wifimac
F074E43A1921

#16 - 2022-11-14 21:41 - CD LC 陶洪普

BT:

<https://dev.thundercomm.com/gerrit/c/general/LINUX/android/vendor/qcom/proprietary/+159133>

wifi patch

<http://dev.thundercomm.com/gerrit/c/general/platform/packages/modules/Wifi/+160638>

已入库，请使用11.15测试。

Eth0的MAC地址，与唐金泽确认，不是使用的这个property。

#17 - 2022-11-14 21:42 - CD LC 陶洪普

- Status changed from ASSIGNED to RESOLVED
- Assignee changed from CD LC 陶洪普 to CDTS_TEST 王成
- % Done changed from 30 to 50

#18 - 2022-11-21 13:46 - CDTS_TEST 王成

- Assignee changed from CDTS_TEST 王成 to CDTS_TEST 刘勇

#19 - 2022-11-21 19:47 - CDTS_TEST 刘勇
- Status changed from RESOLVED to VERIFIED

【HW】EVT2-VC1
【SW】FlatBuild_HH_VX1_MCE_FSE.M.D.userdebug.01.00.X101.202211190313
【前提条件】
1.烧录版本后，上电开机
【操作步骤】
1.使用命令读取wifi、BT、Ethernet的MAC地址
adb shell getprop ro.boot.wifimac
adb shell getprop ro.boot.btmac
adb shell getprop ro.boot.eth0mac
2.使用命令修改WIFI\BT的MAC地址
adb shell rw_reservepartition w wifimac c8d9d206dbbb
adb shell rw_reservepartition w btmac c8d9d206daaa
3.查看设备-Setting-关于平板电脑 蓝牙mac/WIFI MAC 与修改后获取地址一致

【实际结果】
3.命令读取设备中的蓝牙MAC/WIFIMAC和写入的MAC一致

【测试次数】2次
【测试结果】PASS，验证通过
【Comment】修改eth0mac 后命令读取与修改一致，但Setting-关于平板-IP地址下的MAC不一致。

#20 - 2022-11-21 19:47 - CDTS_TEST 刘勇
- Status changed from VERIFIED to CLOSED

#21 - 2022-12-22 20:48 - CD FW-王伟
- Sticky changed from 1 to 0

Gerrit Merge Information :

ID	Project	Branch	Uploader
159133	general/LINUX/android/vendor/qcom/proprietary	Pre_figure_turbox-c2130c-la1.1-vendor-dev	xidong.xu@thundersoft.com
BT: Set BT mac via "ro.boot.btmac" Since the MAC has been customized to be written into "ro.boot.btmac",so use this property instead of "ro.vendor.bt.boot.macaddr".TC-RID: 1201-0400104IssueID: TS-R-BUG-113250Change-Id: Ifc4a296da07da5551405686e56b726076c7e7366			

#22 - 2022-12-22 20:50 - CD FW-王伟
Gerrit Merge Information :

ID	Project	Branch	Uploader
160638	general/platform/packages/modules/Wifi	Pre_figure_turbox-c2130c-la1.1-qssi12-dev	taohp0107@thundersoft.com

WLAN: Get fractory wifi mac from propertyGet fractory wifi mac from property "ro.boot.wifimac".TC-RID: 1201-0400203IssueID:
TS-R-BUG-113250Change-Id: Ia09fe95aeb4d8847e4aa7597030e4b3bbe6cf6026

#23 - 2022-12-22 20:53 - CD FW-王伟

Gerrit Merge Information :

ID	Project	Branch	Uploader
162760	general/platform/packages/modules/Wifi	Pre_figure_turbox-c2130c-la1.1-qssi12-dev	taohp0107@thundersoft.com
WLAN: Add the checking of mac addressAdd the checking of the mac address given from "ro.boot.wifimac".TC-RID: 1201-0400203IssueID: TS-R-BUG-113250Change-Id: I9e476a5e9683ef5c3143f809b91d418962144740			

Files

8aaace89-8e31-4e4c-86f9-a208649a91d0.jpeg162 KB2022-10-28CDTS_TEST 刘勇