

问题描述 1: 不能同时 up 两个 interface 的问题

解决方法:

```
struct ieee80211_iface_limit *limits;
c = &dev->wiphy.iface_combinations[i];
limits = kmempdup(c->limits, sizeof(limits[0]) * c->n_limits,
GFP_KERNEL);
if (!limits)
return -ENOMEM;
if (total > c->max_interfaces)
goto cont;
for (iftype = 0; iftype < NUM_NL80211_IFTYPES; iftype++) {
if (dev->wiphy.software_iftypes & BIT(iftype))
continue;
for (j = 0; j < c->n_limits; j++) {
if (!limits[j].types & BIT(iftype))
continue;
if (limits[j].max < num[iftype])
goto cont;
limits[j].max -= num[iftype];
}
}
/* yay, it fits */
kfree(limits);
return 0;
cont:
kfree(limits);
return -EBUSY;
```

问题描述 2: fh8626 平台, linux3.0.8 运行 ap 模式必现 kernel NULL pointer dereference 死机现象

解决方法:

3. 在fh8626上, 有发现n mode死机问题, 是因为kernel有个bug, 需要清0局部变量.

```
00314: sta->sta_addr);
00315: #endif
00316: }
00317:
00318: sdata = sta->sdata;
00319:
00320: if (!async) {
00321: local->num_sta++;
00322: local->sta_generation++;
00323: smp_mb();
00324:
00325: /* make the station visible */
00326: spin_lock_irqsave(&local->sta_lock, flags);
00327: sta_info_hash_add(&local, sta);
00328: spin_unlock_irqrestore(&local->sta_lock, flags);
00329: }
00330:
00331: list_add(&sta->list, &local->sta_list);
00332:
00333: ieee80211_sta_debugfs_add(sta);
00334: rate_control_add_sta_debugfs(sta);
00335:
00336: memset(&sinfo, 0, sizeof(sinfo));
00337: sinfo.generation = local->sta_generation;
00338: printk(KERN_ERR "func=%s line=%d, sinfo->assoc_req_ies=tp, len=%d\r\n", __func__, __LINE__, sinfo.assoc_req_ies, sinfo.assoc_req_ies_len)
00339:
00340: cfg80211_new_sta(sdata->dev, sta->sta_addr, &sinfo, GFP_KERNEL);
00341:
```

问题描述 3: 无法识别 sdio wifi 设备

解决方法:

启动 sdio 功能

echo 'dev,SD1\_WIFI\_RMII,0,0' > /proc/driver/pinctrl

echo 1 > /sys/class/fhmc/mmc\_rescan

问题描述 4: FH8626+SSV6158 驱动加载后返回-84 错误

解决方法:

SDIO CMD & D0~D3 上拉 10K 电阻。

```
5.220721] set delay: 0x0
5.220726] set ctrl: 0x6
5.220730] set pulses: 0x2
5.220746] set pwm 0, enable: 0x1, duty cycle: 2000 ns, period cycle: 4000, n
mmofpulse: 2, delay: 0 ns, phase: 0 ns, stop: 3
6.333352] ssv6x5x: loading out-of-tree module taints kernel.
6.339090] wlan.c initWlan
6.339103]
6.339103] *** _import_default_cfg, ssv6x5x-wifi.cfg ***
6.339103]
6.346550] ssv6xxx_hci_init() start
6.346712] ssv6xxx_sdio_init
6.346884] =====
6.346889] ==          RUN SDIO          ==
6.346892] =====
6.346897] max block count: 511
6.354690] ssv6xxx_set_sdio_clk: set sdio clk 25000000Hz
6.374904] SSV6XXX_SDIO mmc1:0001:1: vendor = 0x5653 device = 0x2060
6.385738] ssv6xxx_sdio_power_on
6.411097] SSV6XXX_SDIO mmc1:0001:1: dataIOPort 0x10000 regIOPort 0x10020
6.434140] SSV6XXX_SDIO mmc1:0001:1: dataIOPort 0x10000 regIOPort 0x10020
6.435943] SDC_CRC error:00008018..
6.438937] SSV6XXX_SDIO mmc1:0001:1: sdio read reg write address failed (-84)
6.446123] SSV6XXX_SDIO mmc1:0001:1: CHIP ID: 00000000
6.446180] Chip "0000" is not supported by this driver
6.451665] SSV6XXX_SDIO: probe of mmc1:0001:1 failed with error -22
6.481383] Video Memory Manager
6.481396] [VMM] version: V1.0.2(g3e09e89),build: 2020-12-11
6.481400]
6.481422] media_mem_perse_cmdline: s=anonymous,0,0x1c00000,36M.
6.481432] media_mem_perse_cmdline: i=4.
6.481444] vmm:anonymous,alc00000,2400000.
6.516536] [MEU3] version: (g3e09e89),build: 2020-12-11
6.621969] Ibus: fwver=7bb45a05,phyaddr=bffff000,len=8192.
6.680068] media_process: module license 'Proprietary' taints kernel.
6.680077] Disabling lock debugging due to kernel taint
8.109624] remap_pfn_range start"end: 0xb6ee4000 0xb6f0e000, pyh:0x1c00 , n
```