pfSense - Bug #1105

WLAN Broadcom BCM 4306 problems -the fw file(bwn_v4_ucode5) not found

12/15/2010 09:57 AM - Luka Birsa

Status:	Closed		**Start date:**	12/15/2010
Priority:	Normal		**Due date:**	
Assignee:			**% Done:**	0%
Category:	Wireless		**Estimated time:**	0.00 hour
Target version:				
Plus Target Version:			**Affected Version:**	2.0
Release Notes:			**Affected Architecture:**	

Description

I'm using Broadcom BCM4306 802.11b/g Wireless in my pfSense 2.0 BETA 4 full.
(kernel: FreeBSD 8.1-RELEASE-p2 #1: Tue Dec 14 21:35:14 EST 2010)

I would like to use the card as a WAN client, but the interface fails to connect. The card is successfully detected as a bwn0 interface.

I've checked the logs which show:
Dec 15 14:16:31   kernel: siba_bwn0: <Broadcom BCM4306 802.11b/g Wireless> mem 0xdb100000-0xdb101fff irq 5 at device 13.0 on pci2
Dec 15 14:16:31   kernel: bwn0 on siba_bwn0
Dec 15 14:16:31   kernel: bwn0: WLAN (chipid 0x4306 rev 5) PHY (analog 2 type 2 rev 2) RADIO (manuf 0x17f ver 0x2050 rev 2)
Dec 15 14:16:31   kernel: bwn0: DMA (30 bits)
Dec 15 14:16:31   kernel: bwn0: [FILTER]
.....
Dec 15 14:16:31   kernel: bwn0: need multicast update callback
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Dec 15 14:16:31   kernel: bwn0: need multicast update callback
Dec 15 14:16:31   kernel: bwn_v4_ucode5: could not load firmware image, error 2
Dec 15 14:16:31   kernel: bwn0: the fw file(bwn_v4_ucode5) not found
Dec 15 14:16:31   kernel: bwn-open_v4_ucode5: could not load firmware image, error 2
Dec 15 14:16:31   kernel: bwn0: the fw file(bwn-open_v4_ucode5) not found
Dec 15 14:16:31   kernel: bwn0: warn: firmware state (65021)
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Dec 15 14:16:31   kernel: bwn-open_v4_ucode5: could not load firmware image, error 2
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Dec 15 14:16:31   kernel: bwn0: the fw file(bwn_v4_ucode5) not found
Dec 15 14:16:31   kernel: bwn-open_v4_ucode5: could not load firmware image, error 2
Dec 15 14:16:31   kernel: bwn0: the fw file(bwn-open_v4_ucode5) not found

I think there is a missing module, which needs to be compiled as search for the "ucode" showed that only
"/boot/modules/bwi_v3_ucode.ko" exists. Tutorial on how to build the module can be found at
http://kerneltrap.org/mailarchive/freebsd-current/2010/4/14/6257467/thread - I'm lacking the tools to build and test the solution.

I can provide additional log files and test any solutions if they are provided.

Associated revisions

Revision 0a33f73e - 09/17/2006 04:45 PM - Scott Ullrich

Dont allow items to run together

Ticket #1105

History

#1 - 04/26/2011 09:07 PM - Chris Buechler

- Target version deleted (2.0)

it can be built on a stock FreeBSD 8.1 system and copied over.

#2 - 09/04/2013 11:12 AM - Chris Buechler

- Status changed from New to Closed