

wol rtl8139 or APM power off problem?

Source: <http://linux.derkeiler.com/Newsgroups/comp.os.linux.networking/2004-11/0199.html>

From: David Schrittester (*david_at_logic.univie.ac.at*)

Date: 11/07/04

Date: Sun, 7 Nov 2004 23:33:48 +0100

Dear Fellow Subscribers,

I am trying to get my computer to wake on LAN, but it just stays off. I am not sure where the problem occurs.

I use a perl module called "Net-Wake". I have checked that the machine to be woken (the target machine) receives the wake-packages by logging all packets received on that port with ipchains.

My BIOS (Award Modular v4.51 PG, Motherboard: M6VBE-A) has an option WOL and I enabled it. I also enabled the "PM by APM" option. Is that needed?

I also have a little cable connecting NIC to the proper plug.

When execute /usr/bin/poweroff (that's how I usually turn of my machine) it turns of power, but it doesn't ever wol. Should the NIC light be on or something after power of? It's not. Is it clear that I am in ATX soft power off mode or +5VSB after I do poweroff?

To people with similar problems, the following advice has been given:

Recompile the kernel with CONFIG_APM_REAL_MODE_POWER_OFF (this option is infact 'n' in my kernel)

or boot with kernel parameter apm=power-off

What does this have to do with it? I thought this only helps you if you can't do software controlled poweroff?

By the way, apm -v gives APM BIOS 1.2 (kernel driver 1.13). I don't think it works correctly for when I do apm -s (that's standby) the screen blanks but the computer never resumes (but I am ignorant with respect to apm).

I admit I am confused.

Let me know if you have any helpful information.

(Net_Wake was obtained from

<http://www.perl.com/CPAN/authors/id/CLINTDW/>, and listed in the Wake on LAN mini HOWTO)

bw, David