

## DragonFlyBSD - Bug #1802

### AHCI timeouts on SMP APIC\_IO system

08/12/2010 07:56 AM - alexh

<b>Status:</b> Closed	<b>Start date:</b>
<b>Priority:</b> Normal	<b>Due date:</b>
<b>Assignee:</b>	<b>% Done:</b> 0%
<b>Category:</b>	<b>Estimated time:</b> 0.00 hour
<b>Target version:</b>	
<b>Description</b> When running an SMP kernel with APIC_IO on my ThinkPad T60, AHCI times out as shown in the images below. I'm running master from about 8 hours ago. <a href="http://leaf.dragonflybsd.org/~alexh/ahci1.jpg">http://leaf.dragonflybsd.org/~alexh/ahci1.jpg</a> <a href="http://leaf.dragonflybsd.org/~alexh/ahci2.jpg">http://leaf.dragonflybsd.org/~alexh/ahci2.jpg</a> <a href="http://leaf.dragonflybsd.org/~alexh/ahci3.jpg">http://leaf.dragonflybsd.org/~alexh/ahci3.jpg</a> <a href="http://leaf.dragonflybsd.org/~alexh/ahci4.jpg">http://leaf.dragonflybsd.org/~alexh/ahci4.jpg</a>	

### History

#### #1 - 09/22/2010 06:08 PM - dillon

:New submission from Alex Hornung <[ahornung@gmail.com](mailto:ahornung@gmail.com)>:

:

:When running an SMP kernel with APIC\_IO on my ThinkPad T60, AHCI times out as shown in the images below. I'm running master from about 8 hours ago.

:<http://leaf.dragonflybsd.org/~alexh/ahci1.jpg>

:<http://leaf.dragonflybsd.org/~alexh/ahci2.jpg>

:<http://leaf.dragonflybsd.org/~alexh/ahci3.jpg>

:<http://leaf.dragonflybsd.org/~alexh/ahci4.jpg>

Looks like interrupt routing, meaning it might not work with APIC\_IO but might work without, or with/without ACPI (which is the problem I am having on my test box).

You can also try running with the emergency interrupt polling enabled to see if that allows the system to boot. It isn't a solution but it will verify what the problem is.

-Matt

Matthew Dillon

<[dillon@backplane.com](mailto:dillon@backplane.com)>

#### #2 - 10/10/2010 07:14 AM - alexh

works without APIC\_IO.