

## DragonFlyBSD - Bug #3218

### Kernel panics are not sent to comconsole when booted over EFI

12/02/2019 08:52 PM - mqdsi

<b>Status:</b>	New	<b>Start date:</b>	12/02/2019
<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>	Latest stable		
<b>Description</b>			
<p>Booting from the latest release ISO (dfly-x86_64-5.6.2_REL) via EFI, with the on-CD EFI bootloader (EFI version 2.31, EFI firmware: V(rev 1.00), EFI loader, Revision 1.1)</p> <p>The EFI bootloader picks up on the presence of the serial port and automatically writes to both the VGA adapter and the serial port. At the bootloader, set console=comconsole and then boot.</p> <p>The kernel is loaded and modules are loaded; information about this is posted to the serial console along with the copyright messages, indicating kprintf calls are being redirected to the comconsole OK.</p> <p>At this point, due to the bug I actually wanted to file but nothing to do with this particular matter, the kernel panics. Nothing is emitted to either the EFI framebuffer or the serial console (without `console=comconsole`, the panic is printed to the EFI framebuffer).</p> <p>When booting via the BIOS bootloader, the same steps successfully boot into the installer environment fully emitting all info to the serial console. Manually triggering a panic via `sysctl debug.panic=1` confirms that ddb output is indeed dumped to comconsole OK, just not when booted via EFI.</p> <p>The full output emitted to the serial interface prior to the "hang" (invisible panic) is reproduced below:</p> <pre>... Type '?' for a list of commands, 'help' for more detailed help. OK set console=comconsole OK boot kernel text=0xb83660 data=0x134ba20 syms=[0x8+0xfc828+0x8+0xbbce5] ehci.ko size 0xc8f8 at 0x2488000 xhci.ko size 0xccec0 at 0x2495000 Start @ 0xffffffff802a8690 ... EFI framebuffer information: addr, size  0xf0000000, 0x300000 dimensions 1024 x 768 stride     1024 masks     0x00ff0000, 0x0000ff00, 0x000000ff, 0xff000000 Copyright (c) 2003-2019 The DragonFly Project. Copyright (c) 1992-2003 The FreeBSD Project. Copyright (c) 1979, 1980, 1983, 1986, 1988, 1989, 1991, 1992, 1993, 1994 The Regents of the University of California. All rights reserved. ...</pre> <p>I can retry from master if there's a reason to think the situation has changed.</p>			