Bug #3218

Kernel panics are not sent to comconsole when booted over EFI

12/02/2019 08:52 PM - mqudsi

**Status:** New

**Priority:** Normal

**Assignee:**

**Category:**

**Target version:** Latest stable

**Start date:** 12/02/2019

**Due date:**

**% Done:** 0%

**Estimated time:** 0.00 hour

**Description**

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)

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.

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.

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).

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.

The full output emitted to the serial interface prior to the "hang" (invisible panic) is reproduced below:

```
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 0xcec0 at 0x2495000
Start @ 0xffffffff802a8690 ...
EFI framebuffer information:
addr, size     0xf0000000, 0x300000
dimensions     1024 x 768
stride         1024
masks          0x00ff0000, 0x0000ff00, 0x000000ff, 0xff000000
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```

I can retry from master if there's a reason to think the situation has changed.