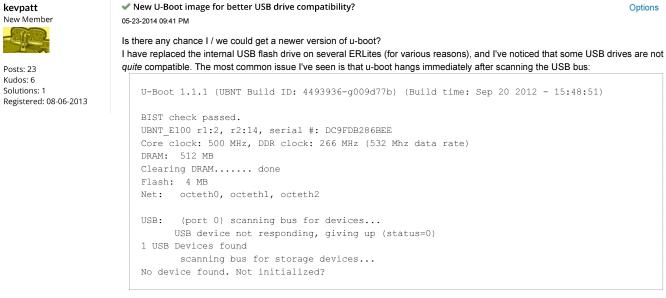
New U-Boot image for better USB drive compatibility?

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After poking around on the web, it looks like issues similar to these have been resolved in newer versions of u-boot. It seems to me like the version of u-boot (1.1.1) you're using is *ancient*...

I'm not sure exactly why this is happening, but it could be a power-on timing issue; the USB bus is scanned very soon after power-on (like 1 second or less), and *maybe* the USB drive I'm using hasn't had time to initialize itself yet. I'm pretty sure either a small delay would help, or, reset the USB bus once and scan it again if nothing is found the first time around.

Interestingly, I CAN boot the ERLite successfully from this USB drive, if I issue a "usb reset" command to u-boot. When I do this manually, the drive *is* found, and I can manually boot the box and it starts up normally. Also, you can do a reset or reboot and it will start up properly as long as you don't cycle the *power*.

Of course this requires interaction with the console on a cold start; it would be **great** if we could get u-boot to either delay after the reset of retry automatically.

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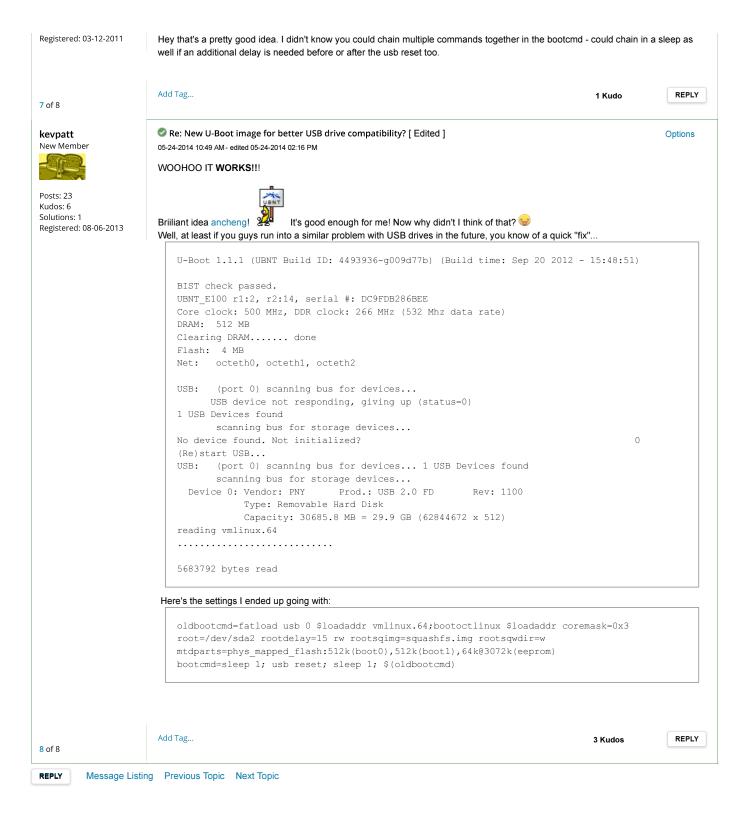
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Posts: 267 flash leads to some USB sticks not being detected. I would like a newer bootloader too, or the possibility to specify a delay but i really Kudos: 154 doubt that this will be generally available. Solutions: 27 Registered: 05-09-2013 Add Tag... REPLY 0 Kudos 2 of 8 NVX Re: New U-Boot image for better USB drive compatibility? Options Senior Member 05-24-2014 02:12 AM As abu_cwarky mentioned, updating uboot would be a dangerous potentially device-bricking operation so I don't see it happening That said, uboot has an option called bootdelay which determines how long it waits for input to break the boot process - what Posts: 3011 Kudos: 1531 happens if you up that setting (which can be saved to presist across boots with saveenv) to be 10s or something? Seems like a much Solutions: 83 safer option if that works. Registered: 03-12-2011 Add Tag... REPLY 0 Kudos 3 of 8 Re: New U-Boot image for better USB drive compatibility? kevpatt **Options** New Member 05-24-2014 04:57 AM I tried the bootdelay setting, with both a 2 second and 10 second delay. Either the delay is happening after the USB problem occurs, or it just doesn't help. I did notice a delay, but the error message appears just as soon after power-on as before. I think a USB bus reset is likely necessary Posts: 23 I can understand why ubnt would not want to upgrade the bootloader, but they may run into this problem themselves in the near Kudos: 6 Solutions: 1 future if the USB drives they are using are different for some reason. Registered: 08-06-2013 FWIW, there are *two* bootloader images in NOR flash, so there is still a possibility to "recover" if you load a bad image. I don't think ubnt would make a new bootloader generally available, but they might build a newer one just for us tinkerers. 🥯 After all, we are replacing the USB flash drive, monkeying around with u-boot anyway, so the possibility of "bricking" a device is understandable, and I at least take full responsibility if that should happen... Add Tag... REPLY 0 Kudos 4 of 8 NVX Re: New U-Boot image for better USB drive compatibility? Options Senior Member Yeah, the concern is of course about a rise in warranty claims from people bricking units by doing so. Of course the easy answer is "that's ok, just say warranty is void if you use that" - but that's not actually legally possible in many countries. Using a newer bootloader on newly manufacturerd devices is a bit different than updating the bootloader on devices that already Posts: 3011 Kudos: 1531 exist. Most of the cons to the latter don't apply to the former. The big issue with that though is there's now two different bootloader Solutions: 83 versions running on the same product depending on when it was made, which can make future testing and QA difficult as any Registered: 03-12-2011 changes have to be sure that they will run on both variants. It really comes down to risk and cost vs reward. Add Tag.. 0 Kudos REPLY 5 of 8 **UBNT** UBNT-ancheng Re: New U-Boot image for better USB drive compatibility? Options Ubiquiti Employee The uboot we're using for each model is from the vendor SDK for the board. It is possible to get a newer uboot to work on the existing board but it would be like bringing up the board all over again, so even ignoring the warranty issue, at this time we really don't have the resources to do that. Posts: 8006 By the way, this is not officially supported or recommended of course, but since you're already in there, maybe try prepending "usb Kudos: 2588 Solutions: 977 reset" to "bootcmd"? Contributions: 2 Registered: 06-10-2011 Add Tag.. 3 Kudos REPLY 6 of 8 NVX Re: New U-Boot image for better USB drive compatibility? Options Senior Member 05-24-2014 09:16 AM **UBNT-ancheng** wrote: By the way, this is not officially supported or recommended of course, but since you're already in there, maybe try prepending Posts: 3011 "usb reset" to "bootcmd"? Kudos: 1531 Solutions: 83

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