

Packages - Bug #2161

[linux-libre-chromebook]trying to flash kernel image to root partition

2019-02-02 11:56 AM - Time4Tea

Status:	info needed	% Done:	0%
Priority:	bug		
Assignee:	oaken-source		
Category:			
Description			
I recently installed linux-libre-chromebook (arm Chromebook C201). During the installation, it was by default going to 'dd' the kernel image to my root partition (/dev/mmcbk0p4), as opposed to the correct kernel partition (/dev/mmcbk0p3). This seems like quite a serious issue, as potentially people just have to type 'y' to overwrite their root system.			

History

#1 - 2019-02-02 11:58 AM - bill-auger

- Assignee set to Megver83

#2 - 2019-02-02 08:04 PM - Megver83

The post_intall script linux-libre-chromebook uses is the same as of ALARM. Idk really how could I check it if I do not own a C201, sorry

#3 - 2019-02-03 03:21 AM - bill-auger

- Assignee changed from Megver83 to oaken-source

- Status changed from open to info needed

- Project changed from Documentation to Packages

i think oaken-source has one - i dont know how much time he has these days to devote to parabola; but i will assign this issue to him - maybe someday he can try installing this kernel and confirm this as a bug

#4 - 2019-02-03 05:29 AM - Megver83

bill-auger wrote:

i think oaken-source has one - i dont know how much time he has these days to devote to parabola; but i will assign this issue to him - maybe someday he can try installing this kernel and confirm this as a bug

and hopefully he (or we) can solve it

#5 - 2019-02-03 12:10 PM - Time4Tea

I just re-installed the linux-armv7-chromebook package on ALARM and it seems to be flashing the kernel to the correct partition. So, looks like maybe they have already fixed it upstream?

#6 - 2019-02-03 12:38 PM - Time4Tea

Actually no, I just installed and ran linux-armv7-chromebook in Parabola and it did the same thing as linux-libre-chromebook. I think it's to do with the way I have my SD partitioned. I have ALARM on partitions 1 (kernel) & 2 (root) and Parabola on partitions 3 (kernel) & 4 (root). When I run it in ALARM, it tries to flash to p1, which is correct; however, in Parabola it tries to flash to p4, which is not.

Perhaps I should report this one upstream to ALARM?

#7 - 2019-12-08 05:40 AM - Megver83

any progress on this? I've some ideas that could work. You've /boot in a different partition, right? could you share you lsblk output?

[Time4Tea](#), try creating and running (as root) the following function in your shell

```
flash_kernel() {
  if mountpoint -q /boot; then
    major=$(mountpoint -d /boot | cut -f 1 -d ':')
    minor=$(mountpoint -d /boot | cut -f 2 -d ':')
  else
    major=$(mountpoint -d / | cut -f 1 -d ':')
  fi
}
```

```

    minor=$(mountpoint -d / | cut -f 2 -d ':')
fi
device=$(awk {'if ($1 == "${major}" && $2 == "${minor}')" print $4 '} /proc/partitions)
device="/dev/${device/%2/1}"

echo "A new kernel version needs to be flashed onto ${device}."
read -rp "Do you want to do this now? [y|N] " shouldwe
if [[ $shouldwe =~ ^([yY][eE][sS]|[yY])$ ]]; then
    dd if=/boot/vmlinuz.kpart of=${device}
    sync
else
    echo "You can do this later by running:"
    echo "# dd if=/boot/vmlinuz.kpart of=${device}"
fi
}

```

then just run `sudo flash_kernel`