

## Installation Media - Bug #2611

### OpenRC CLI ISO freezes on boot with AMD ryzen

2020-01-24 01:09 AM - NewUser69

<b>Status:</b>	info needed	<b>% Done:</b>	0%
<b>Priority:</b>	bug		
<b>Assignee:</b>	Megver83		
<b>Category:</b>	LiveISO		

#### Description

I have been trying to install this on a pc I recently built. I put in the installation media for the openrc command line version and it constantly froze on boot. I kept rebooting and it never worked. I then inserted an external hard drive that has linux mint installed and it started no problem. I checked to see if it was a problem with the installation media and inserted it into my intel laptop and the installation media started fine. This appears to be a problem that only happens with amd cpus. Specific cpu is the ryzen 3700x. Just freezes during the init process after I select to boot the image in the selection menu at the start of parabola. I hope this is clear. The image below shows the problem but it freezes at different stages during this process.

#### History

##### #1 - 2020-01-24 01:16 PM - bill-auger

- Assignee set to Megver83

- Subject changed from *Installation Media Freezes On Boot (OpenRC command line with amd)* to *OpenRC CLI ISO freezes on boot with AMD ryzen*

that is probably not a problem with the ISO media - it is more likely a kernel issue - i would suggest installing parabola on the external disk, using the computer that can boot the ISO - then see if the ryzen computer can boot parabola from the external disk

##### #2 - 2020-01-24 06:02 PM - Megver83

- Status changed from *unconfirmed* to *info needed*

- Category set to *LiveISO*

Your processor, is [this one?](#)

You said you tried Linux Mint and it worked. However, it would help more to try something more Parabola-like. For instance, did you tried some if these ISOs?:

- Parabola LXDE with OpenRC
- Parabola with systemd
- PureOS/Trisquel/Hyperbola or another free distro
- Artix
- Arch Linux

Try them in that same order. If one of them works, then you don't need to test the rest.

##### #3 - 2020-01-24 06:15 PM - Megver83

I've investigated a bit, and found this:

- <https://community.amd.com/thread/240970>
- <https://bugs.launchpad.net/ubuntu/+source/systemd/+bug/1835809>
- <https://forum.manjaro.org/t/amd-ryzen-7-3700x-and-radeon-rx-5700-xt-support/94005>
- <https://git.kernel.org/pub/scm/linux/kernel/git/firmware/linux-firmware.git/commit/?id=417a9c6e197a8d3eec792494efc87a2b42f76324>

This is not the result of a deep investigation, just collected some possibly useful info, but looks like it may need non-free firmware. Anyways, try other Parabola ISOs, if not, you could try Trisquel, PureOS or Hyperbola to see if your CPU works with a free distro.

##### #4 - 2020-01-24 09:15 PM - NewUser69

Tried parabola openrc with lxde. I will try systemd then one of the recommended distros. Won't be home for another 2 hours so I will send what happens when I get home.

Yes, that processor is mine.

\*update: can't test until Sunday.

##### #5 - 2020-01-26 05:46 AM - NewUser69

I have just tested parabola on systemd and it boots just fine.

I don't know if it is a bug with this operating system or just one with openrc in general.

**#6 - 2020-01-26 01:35 PM - Megver83**

You should then try an older OpenRC ISO <https://repo.parabola.nu/iso/> (try one from last year)

If it happens the same, then try Artix to confirm if it's an OpenRC thing

**#7 - 2020-01-27 02:54 AM - NewUser69**

Just tested an older iso from march of 2019. It froze also. I am now going to test artix linux.

Update: Artix was a success when starting. I believe this concludes the testing but I am available to test if you want me to test more.

**Files**

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