

Unmet dependencies ubuntu 22.04 & amdgpu HIP support

Asked 7 months ago Modified 1 month ago Viewed 12k times



5



I have a ryzen pc with an AMD Radeon Vega card, running ubuntu 22.04LTS, and I'm trying to install the amdgpu-install_22.10.2.50102-1_all driver so that I can use Blender 3.2 and have HIP support. However, I'm having a terrible time, and all my efforts have been for nought.

When I run the command `amdgpu-install -y --opencl=rocr`

I get the following output:

```
linux-headers-5.15.0-40-generic is already the newest version (5.15.0-40.43).
linux-headers-5.15.0-40-generic set to manually installed.
Some packages could not be installed. This may mean that you have
requested an impossible situation or if you are using the unstable
distribution that some required packages have not yet been created
or been moved out of Incoming.
The following information may help to resolve the situation:
The following packages have unmet dependencies:
apt : Depends: libapt-pkg6.0 (>= 2.4.5) but it is not going to be installed
grub-efi-amd64-signed : Depends: grub-efi-amd64-bin (= 2.06-2ubuntu7)
                        Depends: grub-efi-amd64 or
                        grub-pc but it is not going to be installed
init : PreDepends: systemd-sysv
libegl1-amdgpu-mesa : Depends: libudev1 but it is not installable or
                        libudev0 but it is not going to be installed
libegl1-amdgpu-mesa-drivers : Depends: libudev1 but it is not installable or
                        libudev0 but it is not going to be installed
libgbm1-amdgpu : Depends: libudev1 but it is not installable or
                        libudev0 but it is not going to be installed
libgl1-amdgpu-mesa-glx : Depends: libudev1 but it is not installable or
                        libudev0 but it is not going to be installed
rocm-llvm : Depends: python but it is not installable
            Depends: libstdc++-5-dev but it is not installable or
            libstdc++-7-dev but it is not installable
            Depends: libgcc-5-dev but it is not installable or
            libgcc-7-dev but it is not installable
            Recommends: gcc-multilib but it is not going to be installed
            Recommends: g++-multilib but it is not going to be installed
util-linux : PreDepends: libudev1 (>= 183) but it is not installable
xserver-xorg-amdgpu-video-amdgpu : Depends: libudev1 (>= 183) but it is not
installable
Depends: xorg-video-abi-24 but it is not installable
E: Error, pkgProblemResolver::Resolve generated breaks, this may be caused by held
packages.
```

I was under the impression that the driver was supported in Ubuntu 22.04LTS. I am new to Ubuntu so how do I get these installed if they're not installable, or is it all impossible?

apt

dependencies

22.04

amdgpu

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edited Jul 6, 2022 at 4:43

asked Jul 6, 2022 at 3:37



karel

107k

93

263

290



Aaron Spesard

51

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Does this answer your question? [Cannot install xorgxrdp due to dependency issues](#) – David Jul 6, 2022 at 3:40

I've had my own set of dependencies issues with Ubuntu 22.04. Run `sudo apt update && apt upgrade` first, of course, but try running `sudo depmod`, which will regenerate the kernel module dependency database/list. Then, re-try your command. Other factors may be at work but this may eliminate some of them. – ebsf Jul 6, 2022 at 4:56

@David No, but thanks – Aaron Spesard Jul 6, 2022 at 13:45

Synaptic Package Manager tells me I have zero broken and zero upgrade, and zero to remove.

– Aaron Spesard Jul 6, 2022 at 16:13

- Does this answer your question? [E:Error, pkgProblemResolver::Resolve generated breaks, this may be caused by held packages](#) – karel Jul 31, 2022 at 11:05

6 Answers

Sorted by:

Highest score (default)



Try:

10

```
amdgpu-install --usecase=opencl,graphics -y
```



The issue is that the default "usecase" includes hip, which isn't supported yet for 22.04 due to a python dependency issue. Installing only graphics (mesa) and opencl should be fine.



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answered Aug 17, 2022 at 19:42



Jeremy Newton

151

2



I have the same problem. Now I fixed.

8

check package files



```
dpkg -L amdgpu-install
```

here is key.

`/etc/apt/sources.list.d/amdgpu.list /etc/apt/sources.list.d/rocm.list`

there is an error/typo in these files.

Try changing from `focal` to `jammy`, as in "Jammy Jellyfish".

I installed successfully with below.

`amdgpu-install --usecase=graphics,opencl --vulkan=amdvk,pro`

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edited Sep 27, 2022 at 14:19

answered Jul 16, 2022 at 15:28



Bengt
103 3



cloudqq
91 1



6

So, despite AMD releasing an official driver package for Ubuntu 22 they didn't actually make sure the dependencies were compatible. They are aware of this and have promised to fix it, you can follow that in these two issues, [here](#) and [here](#).



Within one of these [issue threads](#) is the following workaround:



We are essentially going to download the `rocm-llvm` package, extract it, modify it, compile it again and then install it, fulfilling the dependencies the AMD Drivers need to install.

I didn't encounter the errors with `libegl` and `libgbm` so they might be related to something else or they may have been fixed by the latest `amdgpu-install` which I have: version `22.20.50200`.

1. Open a terminal, create a new directory and go into it. `mkdir temp cd temp`
2. Download the `rocm-llvm` package `apt download rocm-llvm`. It's 695MB.
3. Extract it `ar x rocm-llvm_14.0.0.22204.50200-65_amd64.deb`
4. Extract `control.tar.xz` `tar xf control.tar.xz`
5. Open `control` in a text editor `gedit control`
6. Locate the line starting with `Depends` and replace it with this: `Depends: python3, libc6, libstdc++6|libstdc++8, libstdc++-5-dev|libstdc++-7-dev|libstdc++-10-dev, libgcc-5-dev|libgcc-7-dev|libgcc-10-dev, rocm-core`
7. Save the file and close the editor.
8. Rebuild `control.tar.xz` `tar c postinst prerm control | xz -c > control.tar.xz`
9. Rebuild the `.deb` file `ar rcs rocm-llvm_14.0.0.22204.50200-65_amd64.deb debian-binary control.tar.xz data.tar.xz`

10. Install new dependencies `sudo apt-get install libstdc++-10-dev libgcc-10-dev`
11. Install the new .deb file `sudo dpkg -i rocml-llvm_14.0.0.22204.50200-65_amd64.deb`
12. Install dependency for rocml `sudo apt install rocml-core`
13. Download the latest Ubuntu Driver installer `wget https://repo.radeon.com/amdgpu-install/22.20/ubuntu/jammy/amdgpu-install_22.20.50200-1_all.deb`
14. Install the latest Ubuntu Driver Installer. If it asks if you want to overwrite any sources files, you need to type `y` so it will do this, if you've upgraded from 20.04 it is asking if you want to replace the old 20.04 sources with the new 22.04 versions.
15. Run the driver installer again: `sudo amdgpu-install --opencl=rocr -y`

If at the end of installation it says

```
Error! Could not locate dkms.conf file.
File: /var/lib/dkms/amdgpu/5.13.11.21.50-1384495/source/dkms.conf does not exist.
WARNING: amdgpu dkms failed for running kernel
```

Then run `sudo dpkg-reconfigure amdgpu-dkms` and it should resolve it.

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answered Aug 6, 2022 at 16:16



Baa

2,958

19

36



3



I also ran into this issue after upgrading a machine to 22.04.1 LTS and using an older RX 580 GPU with kernel version 5.15.0-56. In case anyone out there is in my situation and comes here, as of this writing (Dec 2022), the following worked for me:

- Use the amdgpu-install version 22.40 from https://repo.radeon.com/amdgpu-install/22.40/ubuntu/jammy/amdgpu-install_5.4.50401-1_all.deb
- Install with the command `sudo amdgpu-install --usecase=workstation -y --opencl=rocr --vulkan=pro --accept-eula --no-32`
- Install the Mesa OpenCL shared library with `sudo apt install -y mesa-opencl-icd`

The `-y` and `--accept-eula` skips the EULA prompt and the `apt` prompt. `--usecase=workstation`, `--opencl=rocr`, and `--vulkan=pro` install options installs both graphics and OpenCL components, skipping the open-source vulkan. Finally, the `--no-32` skips installing 32-bit components, which was also giving me issues on some attempts.

`mesa-opencl-icd` is required in order to get the library `libMesaOpenCL.so.1` on my system. After installing this, I am able to see my GPU with `clinfo -l`:

```
$> sudo clinfo -l
Platform #0: AMD Accelerated Parallel Processing
```

Platform #1: Clover

-- Device #0: Radeon RX 580 Series (polaris10, LLVM 13.0.1, DRM 3.49, 5.15.0-56-generic)

Platform #2: Portable Computing Language

-- Device #0: pthread-Intel(R) Xeon(R) CPU E5-2670 0 @ 2.60GHz

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answered Dec 22, 2022 at 23:39



Robert Norris

141 6

Yours worked for me, thank you. I think I was running into an issue with no-32 in retrospect, because all the packages that wouldn't install were i386 architecture. – Jeremy Jan 18 at 23:55



2



If you browse in here <https://repo.radeon.com/amdgpu-install/> to the latest drivers the repos are no longer named incorrectly. You'll still get the dependency error if you don't specify your use cases as others have said. So install the latest one from there (november 22 release at the time of writing this) and then run this you should get a working driver: `amdgpu-install --usecase=graphics,opencl --vulkan=amdvk,pro`

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answered Nov 30, 2022 at 19:20



darkharmonics

21 1



-1



I messed around for hours today following errors, found AMD Community page with same error and good answer, that AMD has updated install package, but it's not on main page. <https://community.amd.com/t5/drivers-software/cannot-run-amdgpu-install-on-ubuntu-22-04-1/td-p/561053>

https://repo.radeon.com/amdgpu-install/22.20.5/ubuntu/jammy/amdgpu-install_22.20.50205-1_all.deb

worked for me with: `amdgpu-install --usecase=opencl,graphics -y`

Mint21 Vanessa & RX570

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answered Dec 4, 2022 at 17:32



Tom H

1 1

This adds nothing to the already existing answers. Plus, Mint is off-topic here. – ChanganAuto Dec 9, 2022 at 23:35



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