Setting Up the Cheat Engine on Linux

Installing Cheat Engine

You can download the installer from CheatEngine.org.

Install the CE as you would with any windows application on Linux; using Wine. If you have never done that before, there are plenty of resources online that can help you with that. Make sure that there are no spaces or special characters in the path of the installation directory, this is necessary for a future step.

Once installed, you can launch the CE the same way you launched the installer through Wine. The issue, however, is that you will not be able to attach to any process the way things stand now. You will have to launch the CE in the same Wine prefix as the game you want to attach to (will be explained later).
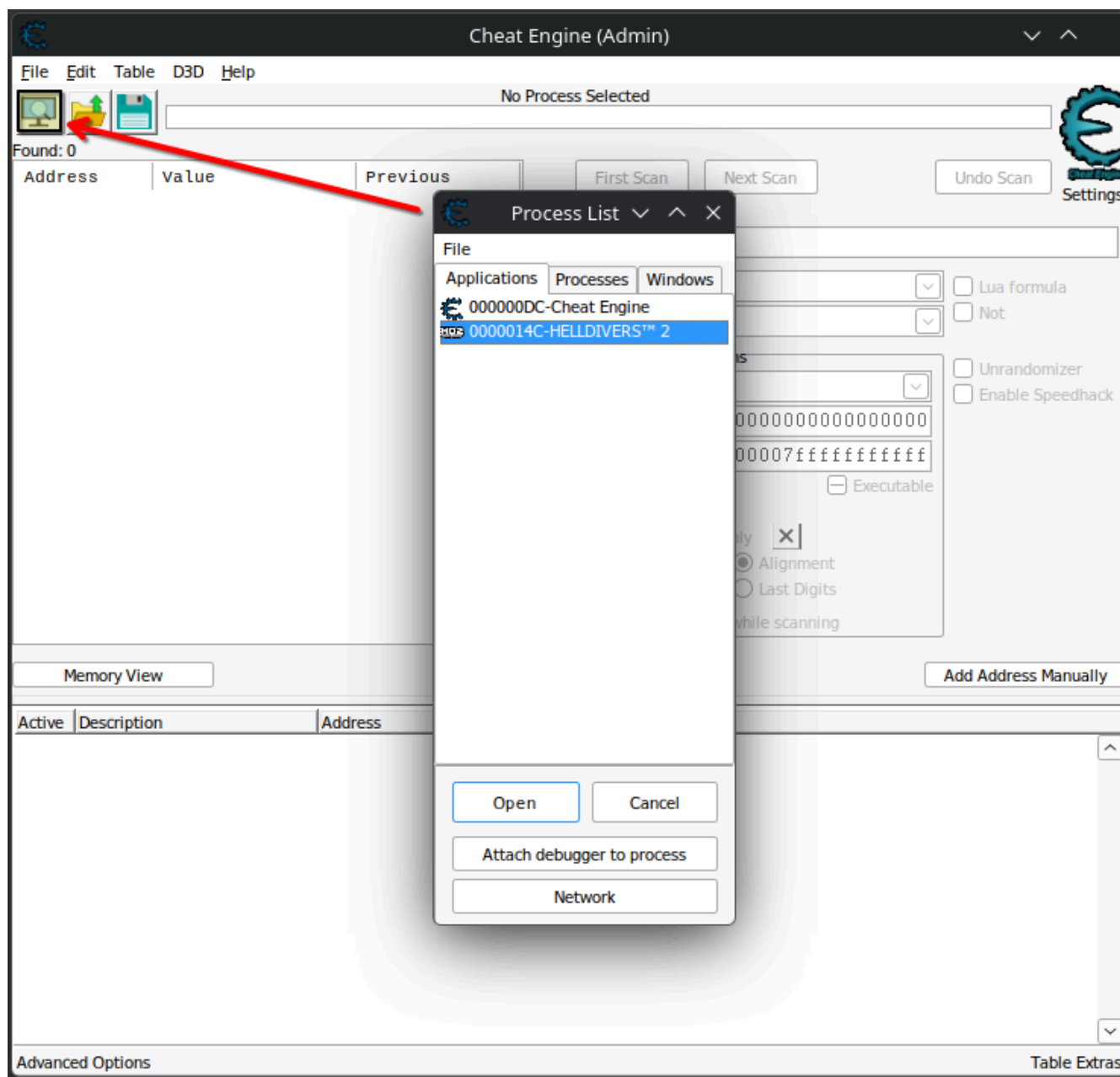
Working with Steam

Steam Flatpak Caveat

Steam installed through Flatpak will require extra tinkering to work with CE because of the sandbox aspect of Flatpak. You need to copy the installation directory of CE to a path that Steam Flatpak has access to or grant Steam access to it. You can manage Steam Flatpak permissions through the Flatpak CLI or using a GUI such as Flatseal.

The CE Wiki explains clearly how to launch the program in the same Wine prefix as the game using Steam. The crucial part is to have no spaces or special characters in the path. Otherwise, the launch will fail silently.

Helldivers 2 Cheat Tables

When the game is launched with those options, the CE will start at the same time as GameGuard. Now refer to the screenshot below. When the GameGuard is loading, the ProcessList Window will only contain CheatEngine. Make sure you are viewing the Applications tab. Wait until the CUTSCENE STARTS before opening the ProcessList so that Helldivers 2 is in it. Once the game is launched, switch to the CE, open the process list, select Helldivers 2 and press Open.

Cheat Engine (Admin)

File Edit Table D3D Help

No Process Selected

Found: 0

Address Value Previous   First Scan   Next Scan   Undo Scan

Settings

Process List ∨ ∧ ✕

File

Applications Processes Windows

000000DC-Cheat Engine
0000014C-HELLDIVERS™ 2

☐ Lua formula
☐ Not

☐ Unrandomizer
☐ Enable Speedhack

0000000000000000
00007ffffffffff

☐ Executable

✕
◉ Alignment
○ Last Digits

while scanning

Open   Cancel

Attach debugger to process

Network

Memory View

Add Address Manually

Active Description   Address

Advanced Options

Table Extras

Once that is done, drag and drop the cheat table into the CE's empty table on the center left. If you wait for too long before loading the cheat table, the game will close because it detects the CE.

That is all for Linux specific instructions. To launch the game without the CE, invalidate the path in the launch options or remove it completely.

This was tested on Arch Linux using Steam Flatpak. If any problems are encountered while following these instructions, try to fix it on your own and let us know how you did so we can update this document. If you failed to fix it on your own, ask for help.

Troubleshooting

It is possible that after following this guide, nothing seems to work. So here are some troubleshooting steps.

The First and Most IMPORTANT Step

Re-read the guide. Word by word, Make sure you followed every step exactly as It should. The timing and order of the steps matter.

Steam's Proton Version

Issues with the Cheat Engine running in the same Proton environment as the game can be caused by the proton version depending on your hardware. Try a few different Proton versions and see. (Worked on Proton 8 for most who had any issues, experimental being the next best)

GPU Drivers

The issue with the Proton version is related to the drivers. If changing the Proton version doesn't work, try a different version for your GPU drivers. When you install new a GPU drivers version, try it on different Proton versions too.