Why doesn't the Linux operating system on my PC boot after installing the TRACE32 USB driver file 10-lauterbach.rules?

2026-08-11 - Comments (0) - Setup / update

If the Linux system on the host PC fails to boot after installing the TRACE32 USB driver file `10-lauterbach.rules`, the problem may be caused by incorrect line endings in the rules file. In particular, the presence of carriage return (CR) characters (`^M`) can cause the `udev` rules to be interpreted incorrectly.

How to check for CR characters

Run the following command:

```
cat -et /etc/udev/rules.d/10-lauterbach.rules
```

Check whether `^M` characters are displayed at the end of the lines.

In some cases, `/dev/lauterbach/trace32/` may contain symbolic links to unrelated system devices, such as audio, disk, or DVD devices. This can also indicate that the `10-lauterbach.rules` file is being misinterpreted because of incorrect line endings.

How to fix the issue

1) Install the `tofrodos` package if it is not already installed:

```
sudo apt-get install tofrodos
```

2) Change to the directory containing the rules file:

```
cd /etc/udev/rules.d/
```

3) Convert the file to Unix (LF-only) line endings:

```
sudo fromdos -d 10-lauterbach.rules
```

This removes the CR characters from the file.

Afterwards, reboot the PC.

- Tags
- Linux
- USB