Welcome to Fedora Discussion!

Check out the our **guide to navigation: tags, categories, and concepts**, or add to our **tips and tricks**.

Install media don’t boot in UEFI mode on certain motherboards

#f36 #f38 #f37 #f39 #grub #boot #uefi

Kamil Páral **kparal** Proven Tester **Sep 15**

Problem

Fedora 37, 38 and 39 install media don’t boot on certain motherboards. You might see an error similar to the following (or none at all):

```
Invalid image
Failed to read header: Unsupported
Failed to load image: Unsupported
start_image() returned Unsupported
```

Cause

A problem was identified and fixed in *shim*, an initial UEFI bootloader. Unfortunately, due to a difficult certification process for this component, the fix isn’t present on specified install media.

Related Issues

Bugzilla report: **https://bugzilla.redhat.com/show_bug.cgi?id=2113005**

Workarounds

If you’re affected, several workarounds exist:

- **Option A)** Install Fedora 36 and upgrade.
- **Option B)** Switch your motherboard to BIOS mode instead of UEFI and install an affected Fedora release this way.
- **Option C)** If you really insist on booting an affected Fedora release install media in UEFI mode and you’re a *power user*, then you can do the following:
  1. Burn the affected Fedora release Live media to a USB flash drive

It's your OS.

ond partition from the flash drive, which is the **ESP** (10 MB size, FAT

3. Remove `EFI/BOOT/BOOTX64.EFI` from that partition. Also remove `EFI/BOOT/BOOTIA32.EFI` and `EFI/BOOT/grubia32.efi`, in order to make more space available (these files shouldn't be needed).
4. Download **shim-x64-15.4-5.x86_64**, extract it, and find `boot/efi/EFI/BOOT/BOOTX64.EFI` in it.
5. Copy the `BOOTX64.EFI` from the extracted RPM into the original location `EFI/BOOT/` on the mounted ESP.
6. The flash drive should now boot in UEFI mode on your system. Skip the media verification process during boot, it's expected to fail (you've modified the install image).

You can discuss this topic **here**.

Talk: Install media don't boot in UEFI mode on certain motherboards

Macbook keyboard doesn't work for disk encryption password

Is it possible to get the WorkStation iso WITHOUT the Live opttion

Install Failed to open EFI boot - invalid parameter

New install can't boot after uninstalling nVidia driver

4 more

Related Topics

Topic	Replies	Views	Activity
Talk: Install media don't boot in UEFI mode on certain motherboards	**10**	1.2k	**16d**
F39 invalid image booting from KDE live USB #f37 #kde #f39 #boot	**0**	110	**26d**
[solved] Error in Fedora 38 bootable flash boot ,uefi and gpt #f38	**2**	993	**Apr 21**
Talk: Fedora 39 Server aarch64 disk image is not bootable on some boards	**1**	131	**Nov 7**

Get Fedora Linux Fedora Documentation About the Fedora Project Code of Conduct Privacy Statement

#f39 #server

Fedora 37: BIOS does not shake hands with the bootloader #f36 #f35 #f37 #grub #boot #btrfs #luks2	**9**	512	**Mar 2**