



Installation media is not auto detected during installation of RHEL 8.3

🌞 **SOLUTION IN PROGRESS** - Updated February 9 2021 at 5:53 AM - English ▼

Environment

- Red Hat Enterprise Linux 8.3
- Rufus image maker

Issue

- During RHEL 8.3 installation via USB, I can only see an Installation Source option "Red Hat CDN" instead of "Local Media".

Resolution

Disclaimer: The following information has been provided by Red Hat, but is outside the scope of the posted Service Level Agreements and support procedures. The information is provided as-is and any configuration settings or installed applications made from the information in this article could make the Operating System unsupported by Red Hat Global Support Services. The intent of this article is to provide information to accomplish the system's needs. Use of the information in this article at the user's own risk.

The following three options are workarounds for media written with 3rd party applications such as rufus for Windows. Only one option is needed.

1. When booting from 8.3 media you can hit `tab` to edit the kernel command line.
Change the value `inst.stage2=` to `inst.repo=`. Installation should proceed as normal.
Useful if only installing a single system.
2. Red Hat recommends using Fedora Media Writer on Windows systems. A useful option for many systems.

https://access.redhat.com/documentation/en-us/red_hat_enterprise_linux/8/html-single/performing_a_standard_rhel_installation/index#creating-a-bootable-usb-windows_preparing-for-your-installation

3. The issue can be worked around by the following on another linux system. This is the most involved process and likely better solved using a different imaging tool.

- Download the 8.3 install media from the Customer Portal
- As the root user:
- Allow the hidden files to be copied:

```
shopt -s dotglob
```

- Create our working directories

```
# mkdir /mnt/iso-mounted;mkdir /mnt/iso-new
```

- Mount the downloaded iso on your linux system:

```
# mount rhel-8.3-x86_64-dvd.iso /mnt/iso-mounted/
```

- Copy the existing iso media to the newly created iso-new directory:

```
# cp -avRf /mnt/iso-mounted/* /mnt/iso-new/
```

- Change the kernel command line arguments in the new install media:

```
# sed -i 's#inst.stage2=#inst.repo=#g' /mnt/iso-new/isolinux/isolinux.cfg
```

```
# sed -i 's#inst.stage2=#inst.repo=#g' /mnt/iso-new/EFI/BOOT/grub.cfg
```

- You can then regenerate the iso

```
mkisofs -o /tmp/rhel8.3.iso -b isolinux/isolinux.bin -J -R -l -c  
isolinux/boot.cat -no-emul-boot -boot-load-size 4 -boot-info-table -eltorito-  
alt-boot -e images/efiboot.img -no-emul-boot -graft-points -V "RHEL-8-3-0-  
BaseOS-x86_64" /mnt/iso-new/
```

Please note that the -V "RHEL-8-3-0-BaseOS-x86_64" will be dependent on release and need to be updated for other releases

- Then

```
isohybrid --uefi /tmp/rhel8.3.iso
```

- Lastly

```
implantisomd5 /tmp/rhel8.3.iso
```

- You can then reimage the iso with rufus.

Root Cause

- Tracked in BZ 1877697

Product(s) Red Hat Enterprise Linux **Component** anaconda **Category** Install

Tags rhel_8

This solution is part of Red Hat's fast-track publication program, providing a huge library of solutions that Red Hat engineers have created while supporting our customers. To give you the knowledge you need the instant it becomes available, these articles may be presented in a raw and unedited form.

People who viewed this solution also viewed

How to add driverdisk ISO into the installation media of Red Hat Enterprise Linux 6?

Solution - 2015年9月9日

Upgrading to Red Hat Enterprise Linux7 with iso media on nfs server failed with missing packages

Solution - 2015年4月2日

How to resolve the problem "installing package ... needs 8KB on the /mnt filesystem " when running "yum update" ?

Solution - 2011年1月19日

1 Comments



NEWBIE

7 Points

29 March 2021 5:06 AM

정우 박

큰 도움이 되었네요. 감사합니다.

[↩ Reply](#)