

Installation Media - Bug #368

Error booting CD on MacBook

2013-07-13 02:29 AM - bugmenot

Status: not-a-bug	% Done: 0%
Priority: bug	
Assignee:	
Category:	
Description	
I burned parabola-2013.04.27-dual.iso on a CD and when I booted a MacBook with it, the computer got stuck at this screen:	
1. 2. Select CD-Rom Boot Type: _	
There is a discussion of the same problem on Redhat here: https://bugzilla.redhat.com/show_bug.cgi?id=527443	
...including a workaround, which I adapted to the Parabola image this way:	
1. mount -t iso9960 parabola-2013.04.27-dual.iso /mnt 2. mkdir /tmp/image 3. cp -a /mnt/* /tmp/image 4. mkisofs -iso-level 2 -V PARABOLA_201304 -J -r -b isolinux/isolinux.bin -c isolinux/boot.cat -no-emul-boot -boot-load-size 4 -boot-info-table -o /tmp/parabola-2013.04.27-dual_MACBOOK.iso /tmp/image	
The resulting image can boot the MacBook.	
I think this is a bug because the Ubuntu CDs boot fine.	

History

#2 - 2013-07-13 03:04 AM - bugmenot

I've just checked that Ubuntu 64-bits CD also fails to boot this late 2007 MacBook (w/ Intel Core 2).

Ubuntu 32-bits CD boots fine.

Maybe you should also provide an i686-only image.

#4 - 2013-07-15 01:16 AM - Moosbart

Hallo, I am glad someone else runs parabola 64bit on a MacBook2,1 (2007)!

maybe this is another issue, it is about the mismatch of a 32-bit EFI, launching a 64-bit kernel/OS when I installed parabola on my MacBook, I followed this note from the Beginners Guide when installing grub:

Note: In case you have a system with 32-bit EFI, like pre-2008 Macs, install grub-efi-i386 instead, and use --target=i386-efi.

that used to work nicely.

in the meantime, grub has been replaced by grub2.00 and there is no package grub-efi-i386 anymore.

I figured I could modify the grub2.00 PKGBUILD from

```
[[ "${CARCH}" == "x86_64" ]] && _EFI_ARCH="x86_64"  
[[ "${CARCH}" == "i686" ]] && _EFI_ARCH="i386"
```

to

```
#[[ "${CARCH}" == "x86_64" ]] && _EFI_ARCH="x86_64"  
#[[ "${CARCH}" == "i686" ]] && _EFI_ARCH="i386"  
_EFI_ARCH="i386"
```

forcing the EFI architecture i386 even though the OS was 64bit. building and installing the grub package with this modification again works nicely, such that it creates a 32-bit EFI file which can be run by the MacBook. Although the file name and directory needs to be changed by hand, so that it lives at /boot/efi/EFI/BOOT/bootia32.efi

best regards
Moosbart

#5 - 2013-09-11 08:22 PM - alfplayer

The new ISO 2013.09.01 could help with this problem.

Related to UEFI: the introduction of Secure Boot in Arch ISOs is being held back, and gummiboot is being kept. Details:
https://wiki.parabolagnulinux.org/Hacking:Parabolaiso#Secure_Boot_vs._Restricted_Boot

#6 - 2018-01-09 10:09 PM - bill-auger

- *Status changed from open to not-a-bug*

closing as stale