

DragonFlyBSD - Bug #1521

amd64 2.4 livecd won't mount root at boot

09/18/2009 11:11 PM - bolapara

Status:	Feedback	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	Unverifiable		
Description			
Hello,			
I've got an x64 machine with an ich9 sata disk controller. With the i386 live dvd, I can boot the live system all the way and perform an installation. With x64, it will boot no further than trying to mount the rootfs from the live cd and will fail and drop me to the mountroot> prompt. I then tried to manually mount each of the available devices and got nothing but error code 22. I've attached the boot logs in order to help debug. I did jump on IRC and talk to a few people but it boiled down to the suggestion to send a report to this address. Thanks!			
Josh			

History

#1 - 09/19/2009 12:38 AM - dillon

```
:Hello,  
:  
:I've got an x64 machine with an ich9 sata disk controller. With the  
:i386 live dvd, I can boot the live system all the way and perform an  
:installation. With x64, it will boot no further than trying to mount  
:the rootfs from the live cd and will fail and drop me to the  
:mountroot> prompt. I then tried to manually mount each of the  
:available devices and got nothing but error code 22. I've attached  
:the boot logs in order to help debug. I did jump on IRC and talk to a  
:few people but it boiled down to the suggestion to send a report to  
:this address. Thanks!  
:  
:Josh
```

Ok, after having a conversation on IRC Josh got the i386 gui dvd installed and working but we were not able to figure out why the 64-bit CD ISO was unable to mount the CD root on his particular box. We have some ideas on the matter but no solution at the moment.

-Matt

#2 - 09/19/2009 04:42 AM - tpreitzel

Matt,

I should have mentioned previously in the other thread that I was attempting to use the 64 bit CD also when the boot failed and terminated in the debugger. I'm looking forward to a fix, hopefully a patch against the 64 bit ISO because I have limited bandwidth. TIA!

#3 - 09/20/2009 05:58 PM - dillon

We've found the issue with USB disk keys on 64-bit not working. ACPI was not preloading properly. And it is possible that the missing ACPI might also be responsible for the CD/DVD problems.

I should have a new ISO and usb disk key image for 64-bit available for test in another day or two. I don't have a binary diff though.

-Matt

#4 - 09/21/2009 09:16 AM - corecode

Matthew Dillon wrote:

- > We've found the issue with USB disk keys on 64-bit not working. ACPI
- > was not preloading properly. And it is possible that the missing ACPI
- > might also be responsible for the CD/DVD problems.
- >
- > I should have a new ISO and usb disk key image for 64-bit available for
- > test in another day or two. I don't have a binary diff though.

amd64 snapshots are already building. I'm still smoothing out the infrastructure, but so far it is looking good. If there is demand, we could look into binary diffs, but I doubt many people would use it.

cheers
simon

#5 - 09/21/2009 03:16 PM - tpreitzel

Although, the diff would help me, don't waste your time if the demand isn't there. I can wait until mid October to download an updated ISO. I just need DragonFly to boot on a 64 bit machine. ;) Thanks, guys, for your work.

#6 - 09/21/2009 03:54 PM - dillon

I have put two test files up which fix the ACPI issue and *might* have a positive effect on cd/dvd detection. Fixing ACPI also means that usb mass storage will probably work.

http://leaf.dragonflybsd.org/~dillon/dfly-amd64-2.4.0B_REL.img.gz
http://leaf.dragonflybsd.org/~dillon/dfly-amd64-2.4.0B_REL.iso.gz

MD5 (dfly-amd64-2.4.0B_REL.img.gz) = e9237967784da2f9af2b83162ed674ea
MD5 (dfly-amd64-2.4.0B_REL.iso.gz) = b40f9ae247d0fad81b04917519b698df
MD5 (dfly-amd64-2.4.0B_REL.img) = fcce93084b073e239961791b834b268e
MD5 (dfly-amd64-2.4.0B_REL.iso) = a221a00678e27d0950c3fe40ca91642c

Sorry, not a binary diff. leaf is not on a fast network so it might take some time to download.

These aren't official, just snapshots off of the release branch.

-Matt

#7 - 09/22/2009 11:31 AM - matthias

* Matthew Dillon wrote:

- >
- > Sorry, not a binary diff. leaf is not on a fast network so it might
- > take some time to download.

I mirrored the ISO image on a faster machine here (1Gbps):

http://www.mathematik.uni-marburg.de/~schmidtm/dfly-amd64-2.4.0B_REL.iso.gz

Cheers

Matthias

#8 - 05/05/2011 10:11 AM - tuxillo

Can you please try latest master?

#9 - 05/05/2011 10:12 AM - tuxillo

I meant, please grab the latest ISO and try:

http://ftp.halifax.rwth-aachen.de/dragonflybsd/snapshots/x86_64/DragonFly-x86_64-LATEST-ISO.iso.bz2

#10 - 01/28/2018 03:45 AM - tuxillo

- Description updated

- Status changed from New to Feedback

- Assignee deleted (0)

- Target version set to Unverifiable

Moving to unverifiable.

Files

bootlogx64.gz	3.56 KB	09/19/2009	bolapara
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