

## vbootstor.sys BSOD DateStream 4d6213bf

Posted by sebus - 2011/02/23 11:02

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Win 7 x64

I use vbootctl.exe to mount .vmdk (I find it way better then Vmware own solution) - so no vbootldr involved

I got caught by the 12F BSOD by version 1.0 expiry date on the 15th Feb

So today I upgraded the driver (twice, by hand & vbootctl update current)

Each time on reboot I get BSOD in vbootstor.sys address: FFFFF88001159451 base at FFFFF88001158000 DateStream 4d6213bf

The bold entries are each time different, DateStream is each time identical

sebus

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## Re:vbootstor.sys BSOD DateStream 4d6213bf

Posted by sebus - 2011/02/23 11:28

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Un-install / re-installed vbootstor.sys with devcon

Makes no difference, same BSoD

sebus

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## Re:vbootstor.sys BSOD DateStream 4d6213bf

Posted by admin - 2011/02/23 13:58

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Sorry for the problem, we made a mistake to bsod host system, it was supposed to do that only for vhd booted systems. Future version will never bsod hosts, we fixed that.

Can you disable vbootstor service? Reboot, then run:

Vbootctl update current

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## Re:vbootstor.sys BSOD DateStream 4d6213bf

Posted by admin - 2011/02/23 14:01

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For vmkd, we did fix a bug yesterday, nit sure if to do with this error

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### Re:vbootstor.sys BSOD DateStream 4d6213bf

Posted by sebus - 2011/02/24 08:09

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admin wrote:

Sorry for the problem, we made a mistake to bsod host system, it was supposed to do that only for vhd booted systems. Future version will never bsod hosts, we fixed that.

Can you disable vbootstor service? Reboot, then run:

Vbootctl update current

Nobody really reads any more!?

I did specifically state in first post:

So today I upgraded the driver (twice, by hand & vbootctl update current)

It is already latest 1.1 version & YES it does BSoD the host ONLY (I do not use any VM on this host)

sebus

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### Re:vbootstor.sys BSOD DateStream 4d6213bf

Posted by admin - 2011/02/24 10:09

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I did read your post, I was refering to the expiry BSOD, which should not occur from v1.1, was a mistake on v1.0.

Then I tested on several amd64 machines here, we couldn't get any BSOD, so can't reproduce.

Can you check c:windowssystem32driversvbootstor.sys? Is that indeed the newest version?

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### Re:vbootstor.sys BSOD DateStream 4d6213bf

Posted by sebus - 2011/02/24 10:39

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Yes, it IS the newest version

3.2.6.r28941 20/02/2011 291 KB

It is on W7 x64 Ultimate on HP ProBook 6550b

sebus

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### Re:vbootstor.sys BSOD DateStream 4d6213bf

Posted by admin - 2011/02/24 11:01

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can you mount a vhd file?

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### Re:vbootstor.sys BSOD DateStream 4d6213bf

Posted by sebus - 2011/02/24 11:12

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With what if vbootstor is NOT running?

sebus

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### Re:vbootstor.sys BSOD DateStream 4d6213bf

Posted by admin - 2011/02/24 11:17

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ok, i meant using vbootctl mount, but seems you can't even get that far, you got BSOD after reboot.

any minidump file? perhaps a quick test,change BIOS date to 01/24? and see if you still get BSOD, very weird.

do you happen to have vbootdisk installed too?

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### Re:vbootstor.sys BSOD DateStream 4d6213bf

Posted by sebus - 2011/02/24 11:33

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NO I do not have any other vboot drivers installed, vbootdisk was not for x64

No minidump & date change makes no difference

sebus

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### Re:vbootstor.sys BSOD DateStream 4d6213bf

Posted by admin - 2011/02/24 12:43

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This is really weird. tested on several pcs, none bsod.

I also checked the code at that address, shouldn't cause problems.

Can you try to remove all vmlite disk driver packages?

devcon enum (find those oemx.inf has vmlite )  
devcon dp\_delete oemx.inf

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## Re:vbootstor.sys BSOD DateStream 4d6213bf

Posted by sebus - 2011/02/24 13:14

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It is devcon dp\_enum

Yes, I can remove them all, and what it this supposed to help with?

Shall I re-install?

What address this driver tries to use?  
I can check if I have something else there

sebus

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## Re:vbootstor.sys BSOD DateStream 4d6213bf

Posted by admin - 2011/02/24 13:50

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64 bit machine requires the driver to be digitally signed. I was wondering there might be some conflict, so to remove those old driver packages.

yes, then re-install it. The driver is loaded dynamically, so base would change.

I will attach the latest build of the driver, you can install that.

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## Re:vbootstor.sys BSOD DateStream 4d6213bf

Posted by admin - 2011/02/24 13:55

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try this latest 64-bit vbootstor.

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<http://www.vmlite.com/images/fbfiles/files/vbootstor.zip>

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**Re:vbootstor.sys BSOD DateStream 4d6213bf**

Posted by admin - 2011/02/25 15:20

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any update on this? does it work?

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**Re:vbootstor.sys BSOD DateStream 4d6213bf**

Posted by sebus - 2011/02/28 11:02

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Sadly no, even upgraded to W7 SP1, but can no longer start PC with this driver enabled  
The older driver (that used to work), also does not work (with BIOS date change)

So it seems like no vboot in the host

sebus

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**Re:vbootstor.sys BSOD DateStream 4d6213bf**

Posted by admin - 2011/02/28 11:17

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This is so weird, it must be some kind of digital signature check failure.

I assume that you have removed all oemx.inf related to vmlite?

sebus wrote:

Sadly no, even upgraded to W7 SP1, but can no longer start PC with this driver enabled  
The older driver (that used to work), also does not work (with BIOS date change)

So it seems like no vboot in the host

sebus

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**Re:vbootstor.sys BSOD DateStream 4d6213bf**

Posted by sebus - 2011/02/28 12:44

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Yes, cleaned all

sebus

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### Re:vbootstor.sys BSOD DateStream 4d6213bf

Posted by sebus - 2011/03/12 15:07

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Just to make triple sure, on same hardware I have blown existing install & re-installed Win 7 Ult x64 SP1 from scratch (re-created partitions, formatted)

Installed all the drivers for the hardware, plus few bits of required software.

At this point machine works great (as fast as one could expect)

The added vboot 1.1 with

devcon64.exe install vbootstor.inf rootvbootstor

rebooted & was BSoD with exactly the SAME error

So on this machine I can NOT get current vboot working at all!

sebus

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### Re:vbootstor.sys BSOD DateStream 4d6213bf

Posted by sebus - 2011/03/28 10:47

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Anybody?

sebus

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### Re:vbootstor.sys BSOD DateStream 4d6213bf

Posted by sebus - 2011/05/02 11:04

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So I see any hope for a support just died slow & painful death!

sebus

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### Re:vbootstor.sys BSOD DateStream 4d6213bf

Posted by admin - 2011/05/02 12:14

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I could never reproduce this bug. If a disk can't be mounted, vboot should not work at all.

Make sure you are using 32-bit on 32-bit system, 64-bit driver on 64-bit systems (I am sure you already did this right, just in case)

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### Re:vbootstor.sys BSOD DateStream 4d6213bf

Posted by sebus - 2011/05/06 16:20

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Correct, vboot does not work at all (the driver, of course correct version for architecture, does NOT load due to the error)

sebus

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### Re:vbootstor.sys BSOD DateStream 4d6213bf

Posted by Natrrix - 2011/05/08 01:29

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Sebus, try adding the driver in WinPE 3.0 x86 with command prepare .vhd  
At first boot some time BSOD.  
but if u F8 and chose boot safe mode with command shell it work  
than reboot if bsod again boot again in command shell and than in the command shell of windows try  
vboot command update driver.

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### Re:vbootstor.sys BSOD DateStream 4d6213bf

Posted by sebus - 2011/05/12 14:20

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I do not use .  
It is physical hardware, I only need(ed) the driver to mount vmkd (as it does it better (when it works, that is) then VMWorkstation itself

But had to give up on it.

It never worked for my on W2K3 specific image that I needed.

So all in all, great solution, but not working for what I needed it, so lost interest

sebus

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## Re:vbootstor.sys BSOD DateStream 4d6213bf

Posted by admin - 2011/05/26 19:20

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will release a new version soon for Windows 7, and you can test it.

This new version is also much faster, and performance is as good as Microsoft's VHD driver.

And it supports nested virtual disks, so you can mount an inner vmdk/vhd/vdi inside a vbooted vhd/vmdk/vdi.

It will soon support taking a snapshot of the host Windows, so you can boot to different snapshots even if your host Windows is not booted from a vhd. In other words, one can install VBoot to a normal Windows OS (booted from a partition), then takes snapshots, just like the tradition vboot does on vhd files.

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## Re:vbootstor.sys BSOD DateStream 4d6213bf

Posted by sebus - 2011/07/15 14:53

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Please do, I sure will give it a go.  
Would love to get it eventually working after all

sebus

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## Re:vbootstor.sys BSOD DateStream 4d6213bf - no more!

Posted by sebus - 2011/12/04 13:43

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So version 2 works absolutely fine on same hardware/setup on which previous one was failing!

Well done!!!

Is the snapshot while booted from partition (not vhd) available?

sebus

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## Re:vbootstor.sys BSOD DateStream 4d6213bf - no more!

Posted by huisinro - 2011/12/04 22:42

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Glad to know that it works now.



The snapshot for live harddisk support is in v2, but we haven't really tested it much yet, so we didn't advocate it.

Can you explain more about how you would like to use this? Do you want to protect the hard disk from changes? We are also adding ram snapshots which can fulfil this purpose too. All changes are gone. We will also introduce mBoot, that is a file based driver, save snapshots to memory, but you can selectively pass through specified files. I wanted to know which of these may fit your planned use of vboot.

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## Re:vbootstor.sys BSOD DateStream 4d6213bf

Posted by sebus - 2012/01/14 12:10

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Basically have the same option like if it was VM, doing whatever when/if needed

mBoot would be an excellent idea

sebus

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