

FreeNAS - Bug #24562

Hyper-v guest requires legacy NIC present or wont boot.

06/15/2017 06:57 PM - Grant Stokes

Status: Closed: Cannot reproduce	
Priority: Important	
Assignee: Alexander Motin	
Category: OS	
Target version: N/A	
Seen in: 11.0	Needs Merging: Yes
Severity: New	Needs Automation: No
Reason for Closing:	Support Suite Ticket: n/a
Reason for Blocked:	Hardware Configuration:
Needs QA: Yes	ChangeLog Required: No
Needs Doc: Yes	
Description see https://forums.freenas.org/index.php?threads/mountroot-prompt-when-using-hyper-v-vm.54456/ Hyper-V only boots when a legacy NIC is present, even though you use the proper nics to set it up. With this config, you can also only cold boot. Generation 1, Boot from bios 8GB memory 2 CPU IDE system drive Legacy NIC Normal NIC	

History

#1 - 06/16/2017 06:40 AM - Kris Moore

- Category changed from 123 to 137
- Assignee changed from Sean Fagan to Alexander Motin
- Priority changed from No priority to Nice to have

Mav,

This is an odd one. Not sure if there's something in HEAD we can backport to fix this. Although recent sync up with stable/11 might have already brought fixes into play.

#2 - 06/16/2017 09:30 AM - Alexander Motin

- Status changed from Unscreened to Screened

I'll try to reproduce it.

#3 - 06/16/2017 04:55 PM - Alexander Motin

- Status changed from Screened to Investigation
- Priority changed from Nice to have to Important

I was unable to reproduce this issue exactly with "Generation 1" VM ("Generation 2" reproduced the problem reliably for me), but I do see oddity in fact that da0 device is reported by the kernel *after* kernel tries to mount root file system. I am not sure what magic makes it still work, but I suspect it is just a race condition, what somehow makes added legacy NIC fix it for you. I'll continue my investigation later when time permit, but until that I can recommend you to try contacting Microsoft developers working on Hyper-V drivers for FreeBSD (Sepherosa Ziehau <sephe@FreeBSD.org>). You may also try to test it with some further FreeNAS nightly builds, which will include present FreeBSD 11.1-BETA code, but as I have told, I don't think situation is really fixed there.

#4 - 07/26/2017 02:52 AM - Grant Stokes

Kris Moore wrote:

Mav,

This is an odd one. Not sure if there's something in HEAD we can backport to fix this. Although recent sync up with stable/11 might have already brought fixes into play.

I'd like too add that it starts every time if I choke it for resources, If I set the cpu relative weight to like 5%, it gets past the boot issue and I can turn up the performance again. is there a tunable or some way I can insert a thread.sleep into the process to allow the hard disk controller to come up first? I can only get it to work in generation 1 bios boot.

#5 - 07/26/2017 03:29 AM - Grant Stokes

Also works with only 1 cpu attached.

#6 - 07/26/2017 03:44 AM - Grant Stokes

This solved it for me. Now it starts every time with max RAM and "MAX POWER"!
<https://forums.freenas.org/index.php?threads/workaround-semi-fix-for-mountroot-issues-with-9-3.26071/>

#7 - 11/13/2017 12:53 PM - Dru Lavigne

- Status changed from Investigation to Closed: Cannot reproduce

- Target version set to N/A

Grant: I'm closing this one out as you found a solution.