Subject: HELP: cannot boot newer CentOS 6/OpenVZ kernels than 2.6.32-042stab094.7
Posted by michaelz on Sat, 15 Aug 2015 17:24:59 GMT
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Hello,
I have some machine running, which cannot boot newer CentOS 6/OpenVZ kernels than 2.6.32-042stab094.7 .
How can that be? What did I miss there?
kernel log shows pci problems, I think.
should I do a pci=nocrs or pci=noacpi ?
Michael

kernel.log
...
kernel: [0.140184] devtmpfs: initialized
kernel: [0.144111] PM: Registering ACPI NVS region at dcc88000 (327680 bytes)
kernel: [0.144111] PM: Registering ACPI NVS region at dd53a000 (36864 bytes)
kernel: [0.144111] PM: Registering ACPI NVS region at dd560000 (4096 bytes)
kernel: [0.144111] PM: Registering ACPI NVS region at dd57e000 (4096 bytes)
kernel: [0.144111] PM: Registering ACPI NVS region at dd593000 (24576 bytes)
kernel: [0.144111] PM: Registering ACPI NVS region at dd5f5000 (2109440 bytes)
kernel: [0.144154] regulator: core version 0.5
kernel: [0.144154] NET: Registered protocol family 16
kernel: [0.146686] PCI: Using configuration type 1 for base access
kernel: [0.146688] PCI: Using configuration type 1 for extended access
kernel: [0.148129] bio: create slab <bio-0> at 0
kernel: [0.148194] ACPI: Interpreter disabled.
kernel: [0.148194] vgaarb: loaded
kernel: [0.148263] SCSI subsystem initialized
kernel: [0.149000] libata version 3.00 loaded.
kernel: [0.149031] usbcore: registered new interface driver usbfs
kernel: [0.149040] usbcore: registered new interface driver hub
kernel: [0.149046] usbcore: registered new device driver usb
kernel: [0.149046] PCI: Probing PCI hardware
kernel: [0.149046] PCI: root bus 00: hardware-probed resources
kernel: [0.149046] PCI: Probing PCI hardware (bus 00)
kernel: [0.149046] PCI host bridge to bus 0000:00
kernel: [0.149046] pci_bus 0000:00: root bus resource [bus 00-1f]
kernel: [0.149191] pci 0000:00:0a.0: PME# supported from D0 D3hot D3cold
kernel: [0.149194] pci 0000:00:0a.0: PME# disabled
kernel: [0.150005] pci 0000:00:11.0: reg 10: [io 0xf040-0xf047]
kernel: [0.150016] pci 0000:00:11.0: reg 14: [io 0xf030-0xf033]
kernel: [0.150027] pci 0000:00:11.0: reg 18: [io 0xf020-0xf027]
kernel: [0.150037] pci 0000:00:11.0: reg 1c: [io 0xf010-0xf013]
kernel: [0.150048] pci 0000:00:11.0: reg 20: [io 0xf000-0xf00f]
kernel: [0.150059] pci 0000:00:11.0: reg 24: [mem 0xff70b000-0xff70b3ff]
kernel: [0.150121] pci 0000:00:12.0: reg 10: [mem 0xff70a000-0xff70afff]

kernel: [0.150201] pci 0000:00:12.1: reg 10: [mem 0xff709000-0xff709fff]
kernel: [0.150294] pci 0000:00:12.2: reg 10: [mem 0xff708000-0xff7080ff]
kernel: [0.150368] pci 0000:00:12.2: supports D1 D2
kernel: [0.150370] pci 0000:00:12.2: PME# supported from D0 D1 D2 D3hot
kernel: [0.150375] pci 0000:00:12.2: PME# disabled
kernel: [0.150410] pci 0000:00:13.0: reg 10: [mem 0xff707000-0xff707fff]
kernel: [0.150489] pci 0000:00:13.1: reg 10: [mem 0xff706000-0xff706fff]
kernel: [0.150579] pci 0000:00:13.2: reg 10: [mem 0xff705000-0xff7050ff]
kernel: [0.150655] pci 0000:00:13.2: supports D1 D2
kernel: [0.150657] pci 0000:00:13.2: PME# supported from D0 D1 D2 D3hot
kernel: [0.150662] pci 0000:00:13.2: PME# disabled
kernel: [0.150805] pci 0000:00:14.2: reg 10: [mem 0xff700000-0xff703fff 64bit]
kernel: [0.150866] pci 0000:00:14.2: PME# supported from D0 D3hot D3cold
kernel: [0.150871] pci 0000:00:14.2: PME# disabled
kernel: [0.151022] pci 0000:00:14.5: reg 10: [mem 0xff704000-0xff704fff]
kernel: [0.151244] pci 0000:01:05.0: reg 10: [mem 0xfc000000-0xfdffffff pref]
kernel: [0.151250] pci 0000:01:05.0: reg 14: [io 0xe000-0xe0ff]
kernel: [0.151255] pci 0000:01:05.0: reg 18: [mem 0xff500000-0xff50ffff]
kernel: [0.151267] pci 0000:01:05.0: reg 24: [mem 0xff400000-0xff4fffff]
kernel: [0.151282] pci 0000:01:05.0: supports D1 D2
kernel: [0.151301] pci 0000:01:05.1: reg 10: [mem 0xff510000-0xff513fff]
kernel: [0.151333] pci 0000:01:05.1: supports D1 D2
kernel: [0.151407] pci 0000:00:01.0: PCI bridge to [bus 01-01]
kernel: [0.151412] pci 0000:00:01.0: bridge window [io 0xe000-0xefff]
kernel: [0.151415] pci 0000:00:01.0: bridge window [mem 0xff400000-0xff5fffff]
kernel: [0.151419] pci 0000:00:01.0: bridge window [mem 0xfc000000-0xfdffffff 64bit pref]
kernel: [0.151460] pci 0000:02:00.0: reg 10: [mem 0xff600000-0xff60ffff 64bit]
kernel: [0.151533] pci 0000:02:00.0: PME# supported from D3hot D3cold
kernel: [0.151538] pci 0000:02:00.0: PME# disabled
kernel: [0.153067] pci 0000:00:0a.0: PCI bridge to [bus 02-02]
kernel: [0.153073] pci 0000:00:0a.0: bridge window [mem 0xff600000-0xff6fffff]
kernel: [0.153134] pci 0000:00:14.4: PCI bridge to [bus 03-03] (subtractive decode)
kernel: [0.153144] pci 0000:00:14.4: bridge window [bus 00-1f] (subtractive decode)
kernel: [0.153706] vgaarb: device added:
PCI:0000:01:05.0,decodes=io+mem,owns=io+mem,locks=none
kernel: [0.153851] pci 0000:00:14.3: default IRQ router [1002:439d]
kernel: [0.153918] PCI: pci_cache_line_size set to 64 bytes
kernel: [0.153922] pci 0000:00:01.0: no compatible bridge window for [io 0xe000-0xefff]
kernel: [0.153925] pci 0000:00:01.0: can't reserve window [io 0xe000-0xefff]
kernel: [0.153928] pci 0000:00:01.0: no compatible bridge window for [mem
0xff400000-0xff5fffff]
kernel: [0.153931] pci 0000:00:01.0: can't reserve window [mem 0xff400000-0xff5fffff]
kernel: [0.153934] pci 0000:00:01.0: no compatible bridge window for [mem
0xfc000000-0xfdffffff 64bit pref]
kernel: [0.153938] pci 0000:00:01.0: can't reserve window [mem 0xfc000000-0xfdffffff 64bit
pref]
kernel: [0.153941] pci 0000:00:0a.0: no compatible bridge window for [mem
0xff600000-0xff6fffff]

kernel: [0.153944] pci 0000:00:0a.0: can't reserve window [mem 0xff600000-0xff6fffff]
kernel: [0.153953] pci 0000:00:11.0: no compatible bridge window for [io 0xf040-0xf047]
kernel: [0.153956] pci 0000:00:11.0: can't reserve [io 0xf040-0xf047]
kernel: [0.153959] pci 0000:00:11.0: no compatible bridge window for [io 0xf030-0xf033]
kernel: [0.153963] pci 0000:00:11.0: can't reserve [io 0xf030-0xf033]
kernel: [0.153965] pci 0000:00:11.0: no compatible bridge window for [io 0xf020-0xf027]
kernel: [0.153968] pci 0000:00:11.0: can't reserve [io 0xf020-0xf027]
kernel: [0.153971] pci 0000:00:11.0: no compatible bridge window for [io 0xf010-0xf013]
kernel: [0.153974] pci 0000:00:11.0: can't reserve [io 0xf010-0xf013]
kernel: [0.153977] pci 0000:00:11.0: no compatible bridge window for [io 0xf000-0xf00f]
kernel: [0.153980] pci 0000:00:11.0: can't reserve [io 0xf000-0xf00f]
kernel: [0.153982] pci 0000:00:11.0: no compatible bridge window for [mem 0xff70b000-0xff70b3ff]
kernel: [0.153987] pci 0000:00:11.0: can't reserve [mem 0xff70b000-0xff70b3ff]
kernel: [0.153992] pci 0000:00:12.0: no compatible bridge window for [mem 0xff70a000-0xff70afff]
kernel: [0.153996] pci 0000:00:12.0: can't reserve [mem 0xff70a000-0xff70afff]
kernel: [0.154000] pci 0000:00:12.1: no compatible bridge window for [mem 0xff709000-0xff709fff]
kernel: [0.154003] pci 0000:00:12.1: can't reserve [mem 0xff709000-0xff709fff]
kernel: [0.154008] pci 0000:00:12.2: no compatible bridge window for [mem 0xff708000-0xff7080ff]
kernel: [0.154011] pci 0000:00:12.2: can't reserve [mem 0xff708000-0xff7080ff]
kernel: [0.154016] pci 0000:00:13.0: no compatible bridge window for [mem 0xff707000-0xff707fff]
kernel: [0.154019] pci 0000:00:13.0: can't reserve [mem 0xff707000-0xff707fff]
kernel: [0.154023] pci 0000:00:13.1: no compatible bridge window for [mem 0xff706000-0xff706fff]
kernel: [0.154027] pci 0000:00:13.1: can't reserve [mem 0xff706000-0xff706fff]
kernel: [0.154031] pci 0000:00:13.2: no compatible bridge window for [mem 0xff705000-0xff7050ff]
kernel: [0.154035] pci 0000:00:13.2: can't reserve [mem 0xff705000-0xff7050ff]
kernel: [0.154040] pci 0000:00:14.2: no compatible bridge window for [mem 0xff700000-0xff703fff 64bit]
kernel: [0.154044] pci 0000:00:14.2: can't reserve [mem 0xff700000-0xff703fff 64bit]
kernel: [0.154051] pci 0000:00:14.5: no compatible bridge window for [mem 0xff704000-0xff704fff]
kernel: [0.154055] pci 0000:00:14.5: can't reserve [mem 0xff704000-0xff704fff]
kernel: [0.154062] pci 0000:01:05.0: no compatible bridge window for [mem 0xfc000000-0xfdffffff pref]
kernel: [0.154066] pci 0000:01:05.0: can't reserve [mem 0xfc000000-0xfdffffff pref]
kernel: [0.154069] pci 0000:01:05.0: no compatible bridge window for [io 0xe000-0xe0ff]
kernel: [0.154072] pci 0000:01:05.0: can't reserve [io 0xe000-0xe0ff]
kernel: [0.154075] pci 0000:01:05.0: no compatible bridge window for [mem 0xff500000-0xff50ffff]
kernel: [0.154078] pci 0000:01:05.0: can't reserve [mem 0xff500000-0xff50ffff]
kernel: [0.154081] pci 0000:01:05.0: no compatible bridge window for [mem 0xff400000-0xff4fffff]

kernel: [0.154084] pci 0000:01:05.0: can't reserve [mem 0xff400000-0xff4fffff]
kernel: [0.154088] pci 0000:01:05.1: no compatible bridge window for [mem 0xff510000-0xff513fff]
kernel: [0.154092] pci 0000:01:05.1: can't reserve [mem 0xff510000-0xff513fff]
kernel: [0.154096] pci 0000:02:00.0: no compatible bridge window for [mem 0xff600000-0xff60ffff 64bit]
kernel: [0.154100] pci 0000:02:00.0: can't reserve [mem 0xff600000-0xff60ffff 64bit]
kernel: [0.154188] Switching to clocksource jiffies
kernel: [0.168087] pnp: PnP ACPI: disabled
kernel: [0.168327] pci 0000:00:01.0: BAR 15: can't assign mem pref (size 0x2000000)
kernel: [0.168331] pci 0000:00:01.0: BAR 14: can't assign mem (size 0x200000)
kernel: [0.168334] pci 0000:00:0a.0: BAR 14: can't assign mem (size 0x100000)
kernel: [0.168336] pci 0000:00:14.2: BAR 0: can't assign mem (size 0x4000)
kernel: [0.168339] pci 0000:00:14.2: BAR 0: trying firmware assignment [mem 0xff700000-0xff703fff 64bit]
kernel: [0.168343] pci 0000:00:14.2: BAR 0: assigned [mem 0xff700000-0xff703fff 64bit]
kernel: [0.168355] pci 0000:00:14.2: BAR 0: set to [mem 0xff700000-0xff703fff 64bit] (PCI address [0xff700000-0xff703fff]
kernel: [0.168358] pci 0000:00:01.0: BAR 13: can't assign io (size 0x1000)
kernel: [0.168361] pci 0000:00:12.0: BAR 0: can't assign mem (size 0x1000)
kernel: [0.168364] pci 0000:00:12.0: BAR 0: trying firmware assignment [mem 0xff70a000-0xff70afff]
kernel: [0.168367] pci 0000:00:12.0: BAR 0: assigned [mem 0xff70a000-0xff70afff]
kernel: [0.168372] pci 0000:00:12.0: BAR 0: set to [mem 0xff70a000-0xff70afff] (PCI address [0xff70a000-0xff70afff]
kernel: [0.168375] pci 0000:00:12.1: BAR 0: can't assign mem (size 0x1000)
kernel: [0.168378] pci 0000:00:12.1: BAR 0: trying firmware assignment [mem 0xff709000-0xff709fff]
kernel: [0.168381] pci 0000:00:12.1: BAR 0: assigned [mem 0xff709000-0xff709fff]
kernel: [0.168386] pci 0000:00:12.1: BAR 0: set to [mem 0xff709000-0xff709fff] (PCI address [0xff709000-0xff709fff]
kernel: [0.168390] pci 0000:00:13.0: BAR 0: can't assign mem (size 0x1000)
kernel: [0.168392] pci 0000:00:13.0: BAR 0: trying firmware assignment [mem 0xff707000-0xff707fff]
kernel: [0.168396] pci 0000:00:13.0: BAR 0: assigned [mem 0xff707000-0xff707fff]
kernel: [0.168401] pci 0000:00:13.0: BAR 0: set to [mem 0xff707000-0xff707fff] (PCI address [0xff707000-0xff707fff]
kernel: [0.168404] pci 0000:00:13.1: BAR 0: can't assign mem (size 0x1000)
kernel: [0.168407] pci 0000:00:13.1: BAR 0: trying firmware assignment [mem 0xff706000-0xff706fff]
kernel: [0.168410] pci 0000:00:13.1: BAR 0: assigned [mem 0xff706000-0xff706fff]
kernel: [0.168415] pci 0000:00:13.1: BAR 0: set to [mem 0xff706000-0xff706fff] (PCI address [0xff706000-0xff706fff]
kernel: [0.168418] pci 0000:00:14.5: BAR 0: can't assign mem (size 0x1000)
kernel: [0.168421] pci 0000:00:14.5: BAR 0: trying firmware assignment [mem 0xff704000-0xff704fff]
kernel: [0.168424] pci 0000:00:14.5: BAR 0: assigned [mem 0xff704000-0xff704fff]
kernel: [0.168429] pci 0000:00:14.5: BAR 0: set to [mem 0xff704000-0xff704fff] (PCI address

[0xff704000-0xff704fff]
kernel: [0.168432] pci 0000:00:11.0: BAR 5: can't assign mem (size 0x400)
kernel: [0.168435] pci 0000:00:11.0: BAR 5: trying firmware assignment [mem 0xff70b000-0xff70b3ff]
kernel: [0.168438] pci 0000:00:11.0: BAR 5: assigned [mem 0xff70b000-0xff70b3ff]
kernel: [0.168443] pci 0000:00:11.0: BAR 5: set to [mem 0xff70b000-0xff70b3ff] (PCI address [0xff70b000-0xff70b3ff]
kernel: [0.168447] pci 0000:00:12.2: BAR 0: can't assign mem (size 0x100)
kernel: [0.168449] pci 0000:00:12.2: BAR 0: trying firmware assignment [mem 0xff708000-0xff7080ff]
kernel: [0.168453] pci 0000:00:12.2: BAR 0: assigned [mem 0xff708000-0xff7080ff]
kernel: [0.168458] pci 0000:00:12.2: BAR 0: set to [mem 0xff708000-0xff7080ff] (PCI address [0xff708000-0xff7080ff]
kernel: [0.168461] pci 0000:00:13.2: BAR 0: can't assign mem (size 0x100)
kernel: [0.168464] pci 0000:00:13.2: BAR 0: trying firmware assignment [mem 0xff705000-0xff7050ff]
kernel: [0.168467] pci 0000:00:13.2: BAR 0: assigned [mem 0xff705000-0xff7050ff]
kernel: [0.168472] pci 0000:00:13.2: BAR 0: set to [mem 0xff705000-0xff7050ff] (PCI address [0xff705000-0xff7050ff]
kernel: [0.168475] pci 0000:00:11.0: BAR 4: can't assign io (size 0x10)
kernel: [0.168477] pci 0000:00:11.0: BAR 4: trying firmware assignment [io 0xf000-0xf00f]
kernel: [0.168480] pci 0000:00:11.0: BAR 4: assigned [io 0xf000-0xf00f]
kernel: [0.168485] pci 0000:00:11.0: BAR 4: set to [io 0xf000-0xf00f] (PCI address [0xf000-0xf00f]
kernel: [0.168488] pci 0000:00:11.0: BAR 0: can't assign io (size 0x8)
kernel: [0.168491] pci 0000:00:11.0: BAR 0: trying firmware assignment [io 0xf040-0xf047]
kernel: [0.168494] pci 0000:00:11.0: BAR 0: assigned [io 0xf040-0xf047]
kernel: [0.168499] pci 0000:00:11.0: BAR 0: set to [io 0xf040-0xf047] (PCI address [0xf040-0xf047]
kernel: [0.168502] pci 0000:00:11.0: BAR 2: can't assign io (size 0x8)
kernel: [0.168504] pci 0000:00:11.0: BAR 2: trying firmware assignment [io 0xf020-0xf027]
kernel: [0.168507] pci 0000:00:11.0: BAR 2: assigned [io 0xf020-0xf027]
kernel: [0.168512] pci 0000:00:11.0: BAR 2: set to [io 0xf020-0xf027] (PCI address [0xf020-0xf027]
kernel: [0.168515] pci 0000:00:11.0: BAR 1: can't assign io (size 0x4)
kernel: [0.168517] pci 0000:00:11.0: BAR 1: trying firmware assignment [io 0xf030-0xf033]
kernel: [0.168520] pci 0000:00:11.0: BAR 1: assigned [io 0xf030-0xf033]
kernel: [0.168525] pci 0000:00:11.0: BAR 1: set to [io 0xf030-0xf033] (PCI address [0xf030-0xf033]
kernel: [0.168528] pci 0000:00:11.0: BAR 3: can't assign io (size 0x4)
kernel: [0.168531] pci 0000:00:11.0: BAR 3: trying firmware assignment [io 0xf010-0xf013]
kernel: [0.168533] pci 0000:00:11.0: BAR 3: assigned [io 0xf010-0xf013]
kernel: [0.168538] pci 0000:00:11.0: BAR 3: set to [io 0xf010-0xf013] (PCI address [0xf010-0xf013]
kernel: [0.168544] pci 0000:01:05.0: BAR 0: can't assign mem pref (size 0x2000000)
kernel: [0.168547] pci 0000:01:05.0: BAR 0: trying firmware assignment [mem 0xfc000000-0xfdffffff pref]
kernel: [0.168551] pci 0000:01:05.0: BAR 0: assigned [mem 0xfc000000-0xfdffffff pref]

kernel: [0.168555] pci 0000:01:05.0: BAR 0: set to [mem 0xfc000000-0xfdffffff pref] (PCI address [0xfc000000-0xfdffffff]
kernel: [0.168558] pci 0000:01:05.0: BAR 5: can't assign mem (size 0x100000)
kernel: [0.168561] pci 0000:01:05.0: BAR 5: trying firmware assignment [mem 0xff400000-0xff4fffff]
kernel: [0.168564] pci 0000:01:05.0: BAR 5: assigned [mem 0xff400000-0xff4fffff]
kernel: [0.168568] pci 0000:01:05.0: BAR 5: set to [mem 0xff400000-0xff4fffff] (PCI address [0xff400000-0xff4fffff]
kernel: [0.168571] pci 0000:01:05.0: BAR 2: can't assign mem (size 0x10000)
kernel: [0.168574] pci 0000:01:05.0: BAR 2: trying firmware assignment [mem 0xff500000-0xff50ffff]
kernel: [0.168577] pci 0000:01:05.0: BAR 2: assigned [mem 0xff500000-0xff50ffff]
kernel: [0.168581] pci 0000:01:05.0: BAR 2: set to [mem 0xff500000-0xff50ffff] (PCI address [0xff500000-0xff50ffff]
kernel: [0.168584] pci 0000:01:05.1: BAR 0: can't assign mem (size 0x4000)
kernel: [0.168587] pci 0000:01:05.1: BAR 0: trying firmware assignment [mem 0xff510000-0xff513fff]
kernel: [0.168590] pci 0000:01:05.1: BAR 0: assigned [mem 0xff510000-0xff513fff]
kernel: [0.168594] pci 0000:01:05.1: BAR 0: set to [mem 0xff510000-0xff513fff] (PCI address [0xff510000-0xff513fff]
kernel: [0.168597] pci 0000:01:05.0: BAR 1: can't assign io (size 0x100)
kernel: [0.168600] pci 0000:01:05.0: BAR 1: trying firmware assignment [io 0xe000-0xe0ff]
kernel: [0.168603] pci 0000:01:05.0: BAR 1: assigned [io 0xe000-0xe0ff]
kernel: [0.168630] pci 0000:01:05.0: BAR 1: set to [io 0xe000-0xe0ff] (PCI address [0xe000-0xe0ff]
kernel: [0.168633] pci 0000:00:01.0: PCI bridge to [bus 01-01]
kernel: [0.168640] pci 0000:02:00.0: BAR 0: can't assign mem (size 0x10000)
kernel: [0.168643] pci 0000:02:00.0: BAR 0: trying firmware assignment [mem 0xff600000-0xff60ffff 64bit]
kernel: [0.168647] pci 0000:02:00.0: BAR 0: assigned [mem 0xff600000-0xff60ffff 64bit]
kernel: [0.168658] pci 0000:02:00.0: BAR 0: set to [mem 0xff600000-0xff60ffff 64bit] (PCI address [0xff600000-0xff60ffff]
kernel: [0.168662] pci 0000:00:0a.0: PCI bridge to [bus 02-02]
kernel: [0.168668] pci 0000:00:14.4: PCI bridge to [bus 03-03]
kernel: [0.168689] pci 0000:00:0a.0: setting latency timer to 64
kernel: [0.168698] pci_bus 0000:00: resource 4 [bus 00-1f]
kernel: [0.168701] pci_bus 0000:03: resource 4 [bus 00-1f]
kernel: [0.168790] NET: Registered protocol family 2
kernel: [0.169374] IP route cache hash table entries: 524288 (order: 10, 4194304 bytes)
kernel: [0.171325] TCP established hash table entries: 524288 (order: 11, 8388608 bytes)
kernel: [0.173492] TCP bind hash table entries: 65536 (order: 8, 1048576 bytes)
kernel: [0.173726] TCP: Hash tables configured (established 524288 bind 65536)
kernel: [0.173729] TCP reno registered
kernel: [0.173860] NET: Registered protocol family 1
kernel: [0.233030] pci 0000:01:05.0: Boot video device
kernel: [0.233090] Trying to unpack rootfs image as initramfs...
kernel: [0.582654] Freeing initrd memory: 17466k freed
kernel: [0.587956] PCI-DMA: Disabling AGP.

kernel: [0.588030] PCI-DMA: aperture base @ 20000000 size 65536 KB
kernel: [0.588032] PCI-DMA: using GART IOMMU.
kernel: [0.588036] PCI-DMA: Reserving 64MB of IOMMU area in the AGP aperture
kernel: [0.589672] platform rtc_cmos: registered platform RTC device (no PNP device found)
kernel: [0.590164] perf: AMD NB counters detected
...