

panic(cpu 4 caller 0xfffff7fa5b2b563): GPU Panic: mux-reg 2 0 a0 d9 9 8 severity 3
WS-ready 1 switch-state 0 IG FBs 1 EG FBs 0:0 power-state 4 3D idle HDA idle
system-state 2 power-level 5:0 power-retry 0 connect-change 0 : NVRM[0/1:0:0]: Read
Error 0x00137310: CFG 0xffffffff 0xffffffff 0xffffffff, BAR0 0xc0000000 0xffffffff9228fdc000
0x0e7150a2, D3, P0/4

Backtrace (CPU 4), Frame : Return Address

0xfffff820507b140 : 0xfffff8023f1a65d
0xfffff820507b190 : 0xfffff8024054a75
0xfffff820507b1d0 : 0xfffff80240465fe
0xfffff820507b220 : 0xfffff8023ec0a40
0xfffff820507b240 : 0xfffff8023f19d27
0xfffff820507b340 : 0xfffff8023f1a117
0xfffff820507b390 : 0xfffff80246c1a6c
0xfffff820507b400 : 0xfffff7fa5b2b563
0xfffff820507b460 : 0xfffff7fa4e952f1
0xfffff820507b4e0 : 0xfffff7fa4f6211b
0xfffff820507b540 : 0xfffff7fa70030ae
0xfffff820507b570 : 0xfffff7fa4eca876
0xfffff820507b6f0 : 0xfffff7fa709323b
0xfffff820507b790 : 0xfffff7fa7093063
0xfffff820507b7b0 : 0xfffff7fa4e961d9
0xfffff820507b830 : 0xfffff7fa4e991f9
0xfffff820507b9b0 : 0xfffff7fa4e9af1f
0xfffff820507bab0 : 0xfffff7fa506e164
0xfffff820507bba0 : 0xfffff7fa4e2ace3
0xfffff820507bc30 : 0xfffff7fa4e0e093
0xfffff820507bca0 : 0xfffff7fa4e10d1c
0xfffff820507bd00 : 0xfffff7fa4e108be
0xfffff820507bd70 : 0xfffff7fa4c18faa
0xfffff820507be10 : 0xfffff7fa4c18d08
0xfffff820507be40 : 0xfffff7fa4c1faeb
0xfffff820507bee0 : 0xfffff802462d4fd
0xfffff820507bf30 : 0xfffff802462bdce
0xfffff820507bf70 : 0xfffff802462b3c6
0xfffff820507bfa0 : 0xfffff8023ec013e

Kernel Extensions in backtrace:

com.apple.iokit.IOGraphicsFamily(576.1)
[1279CBF9-88F1-3EB4-9566-1085DBF6DF8B]@0xfffff7fa4c0e000->0xfffff7fa4c5efff
dependency: com.apple.iokit.IOPCIFamily(2.9)[44472E6F-8DA0-3B46-ADEF-
AFF76EC6C6DB]@0xfffff7fa4931000
com.apple.driver.AppleMuxControl(5.2.6)[D273F972-59ED-3F95-B4C2-
EF5A722174A8]@0xfffff7fa5b1c000->0xfffff7fa5b2ffff
dependency: com.apple.driver.AppleGraphicsControl(5.2.6)
[0DA9C1CA-5E2E-3F35-8271-E0F4948BD738]@0xfffff7fa5ae8000
dependency: com.apple.iokit.IOACPIFamily(1.4)[2956198D-24F2-3790-
A9B2-1EAB9434B906]@0xfffff7fa557f000

dependency: com.apple.iokit.IOPCIFamily(2.9)[44472E6F-8DA0-3B46-ADEF-AFF76EC6C6DB]@0xffffffff7fa4931000
dependency: com.apple.iokit.IOGraphicsFamily(576.1)
[1279CBF9-88F1-3EB4-9566-1085DBF6DF8B]@0xffffffff7fa4c0e000
dependency: com.apple.AppleGraphicsDeviceControl(5.2.6)[E04CD680-EC03-39ED-99C6-902C8495543F]@0xffffffff7fa4e1c000
com.apple.iokit.IONDRVSupport(576.1)[2B5F4866-780D-3C79-A946-0E3F15D64FA9]@0xffffffff7fa4e0c000->0xffffffff7fa4e1bfff
dependency: com.apple.iokit.IOGraphicsFamily(576.1)
[1279CBF9-88F1-3EB4-9566-1085DBF6DF8B]@0xffffffff7fa4c0e000
dependency: com.apple.iokit.IOPCIFamily(2.9)[44472E6F-8DA0-3B46-ADEF-AFF76EC6C6DB]@0xffffffff7fa4931000
com.apple.nvidia.driver.NVDAResman(14.0)[ECB33CB3-2FE3-3E99-A4E6-ED7C5DA6D543]@0xffffffff7fa4e28000->0xffffffff7fa50fffff
dependency: com.apple.iokit.IOPCIFamily(2.9)[44472E6F-8DA0-3B46-ADEF-AFF76EC6C6DB]@0xffffffff7fa4931000
dependency: com.apple.iokit.IONDRVSupport(576.1)[2B5F4866-780D-3C79-A946-0E3F15D64FA9]@0xffffffff7fa4e0c000
dependency: com.apple.iokit.IOGraphicsFamily(576.1)
[1279CBF9-88F1-3EB4-9566-1085DBF6DF8B]@0xffffffff7fa4c0e000
dependency: com.apple.AppleGraphicsDeviceControl(5.2.6)[E04CD680-EC03-39ED-99C6-902C8495543F]@0xffffffff7fa4e1c000
com.apple.nvidia.driver.NVDAGK100Hal(14.0)[D9BD5415-852D-3F99-B5D9-9E4FD7CABEEC]@0xffffffff7fa6fc9000->0xffffffff7fa7174fff
dependency: com.apple.nvidia.driver.NVDAResman(14.0.0)
[ECB33CB3-2FE3-3E99-A4E6-ED7C5DA6D543]@0xffffffff7fa4e28000
dependency: com.apple.iokit.IOPCIFamily(2.9)[44472E6F-8DA0-3B46-ADEF-AFF76EC6C6DB]@0xffffffff7fa4931000

BSD process name corresponding to current thread: kernel_task

Mac OS version:
19H2

Kernel version:
Darwin Kernel Version 19.6.0: Mon Aug 31 22:12:52 PDT 2020; root:xnu-6153.141.2~1/RELEASE_X86_64
Kernel UUID: 05D51A3D-3A87-3FF0-98C3-9CF3827A3EDD
Kernel slide: 0x0000000023c00000
Kernel text base: 0xffffffff8023e00000
__HIB text base: 0xffffffff8023d00000
System model name: MacBookPro10,1 (Mac-C3EC7CD22292981F)
System shutdown begun: NO
Panic diags file available: YES (0x0)

System uptime in nanoseconds: 10041233616553
last loaded kext at 2803448703940: @filesystems.exfat 1.4 (addr

0xffffffff7fa7bee000, size 65536)
last unloaded kext at 155788366963: !!ABCM5701Ethernet 10.3.5 (addr
0xffffffff7fa718b000, size 282624)
loaded kexts:
com.kairos.driver.DuetDisplay 2
@filesystems.exfat 1.4
ISCSITaskUserClient 422.120.3
>!UTCKeyEventDriver 255
IIO!BUSBDFU 7.0.6f7
@fileutil 20.036.15
>AudioAUUC1.70
IIO!BSerialManager 7.0.6f7
>!APlatformEnabler 2.7.0d0
>AGPM 111.4.4
>X86PlatformShim 1.0.0
@filesystems.autofs3.0
>!AMikeyHIDDriver 131
>!AMikeyDriver 283.15
@AGDCPluginDisplayMetrics 5.2.6
>!AUpstreamUserClient 3.6.8
>!AHV1
IIOUserEthernet 1.0.1
@GeForce 14.0.0
>!AHDA 283.15
>pmtelemetry 1
@Dont_Steal_Mac_OS_X 7.0.0
>!A!HDA4000Graphics 14.0.7
>AGDCBacklightControl 5.2.6
>efiheck 1
>!A!ISlowAdaptiveClocking4.0.0
>!AThunderboltIP 3.1.4
>!AMCCSControl 1.14
>!AMuxControl 5.2.6
>!ASMCLMU212
>!A!IFramebufferCapri 14.0.7
>!ALPC 3.1
>!ASMCPDRC 1.0.0
>!UTCKeyboard 255
>!UTCButtons 255
>!AVirtIO 1.0
@filesystems.hfs.kext 522.100.5
@!AFSCCompression.!AFSCCompressionTypeDataless 1.0.0d1
@BootCache40
@!AFSCCompression.!AFSCCompressionTypeZlib 1.0.0
@filesystems.apfs 1412.141.1
@private.KextAudit 1.0
>!ASDXC 1.7.7

```

>AirPort.Brcm4360 1400.1.1
>!AAHCIPort 341.140.1
>!ARTC 2.0
>!ASmartBatteryManager 161.0.0
>!AACPIButtons 6.1
>!AHPET 1.8
>!ASMBIOS 2.1
>!AACPIEC 6.1
>!AAPIC 1.7
>!A!ICPUPowerManagementClient 222.0.0
$!Almage4 1
@nke.applicationfirewall 303
$TMSafetyNet 8
@!ASystemPolicy 2.0.0
>!A!ICPUPowerManagement 222.0.0
!EndpointSecurity 1
>!AXsanScheme 3
>!UAudio 323.4
>usb.cdc 5.0.0
@kext.triggers 1.0
!IOAVB!F 850.1
>DspFuncLib283.15
@kext.OSvKernDSPLib 529
@nvidia.driver.NVDAGK100Hal 14.0.0
@nvidia.driver.NVDAResman 14.0.0
>!ABacklightExpert 1.1.0
>!ASMBusPCI 1.0.14d1
@!AGPUWrangler 5.2.6
!IOSlowAdaptiveClocking!F 1.0.0
!IONDRVSupport 576.1
>!AHDA!C 283.15
!IOHDA!F 283.15
>!ASMBus!C 1.0.18d1
>X86PlatformPlugin 1.0.0
>!AGraphicsControl 5.2.6
!IOAccelerator!F2 438.7.3
@!AGraphicsDeviceControl 5.2.6
!IOGraphics!F 576.1
>IOPlatformPlugin!F 6.0.0d8
@plugin.IOgPTPPlugin 840.3
!Broadcom!BHost!CUSBTransport 7.0.6f7
!IO!BHost!CUSBTransport 7.0.6f7
!IO!BHost!CTransport 7.0.6f7
!IO!B!F 7.0.6f7
!IO!BPacketLogger 7.0.6f7
>!UMultitouch 264
>usb.IOUSBHostHIDDevice 1.2

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>usb.networking 5.0.0
>usb.IUHostCompositeDevice 1.2
>usb.IUHub 1.2
IIOAudio!F 300.2
@vecLib.kext 1.2.0
IIOSerial!F 11
@filesystems.hfs.encodings.kext 1
IIOSurface 269.11
>!ATHunderboltDPInAdapter 6.2.6
>!ATHunderboltDPAdapter!F 6.2.6
>!ATHunderboltPCIDownAdapter 2.5.4
>!ATHunderboltNHI 5.8.6
IIOThunderbolt!F 7.6.1
IIOAHCIBlock!S 316.100.5
IIO80211!F 1200.12.2b1
IIOSkywalk!F 1
>corecapture 1.0.4
IIOEthernetAVB!C 1.1.0
>mDNSOffloadUserClient 1.0.1b8
IIOUSB!F 900.4.2
IIOAHCI!F 290.0.1
>usb.IUEHCIPCI 1.2
>usb.IUEHCI 1.2
>usb.IUXHCIPCI 1.2
>usb.IUXHCI 1.2
>!AEFINVRAM 2.1
>!AEFIRuntime 2.1
IIOUSB!F 1.1
IIOHID!F 2.0.0
\$quarantine 4
\$sandbox 300.0
@kext.!AMatch 1.0.0d1
>DiskImages 493.0.0
>!AFDEKeyStore 28.30
>!AEffaceable!S 1.0
>!ASSE 1.0
>!AKeyStore 2
>!UTDM 489.120.1
IIOCSIBlockCommandsDevice 422.120.3
>!ACredentialManager 1.0
>KernelRelayHost 1
>!ASEPManager 1.0.1
>IOSlaveProcessor 1
IIOUSBMass!SDriver 157.140.1
IIOCSIArchitectureModel!F 422.120.3
IIO!S!F 2.1
IIOUSBHost!F 1.2

>!UHostMergeProperties 1.2
>usb.!UCommon 1.0
>!ABusPower!C 1.0
!CoreAnalytics!F 1
>!AMobileFileIntegrity 1.0.5
@kext.CoreTrust 1
!IOTimeSync!F 840.3
!IONetworking!F 3.4
!IOReport!F 47
>!AACPIPlatform 6.1
>!ASMC 3.1.9
>watchdog 1
!IOPCI!F 2.9
!IOACPI!F 1.4
@kec.pthread 1
@kec.Libm 1
@kec.corecrypto 1.0