

panic(cpu 7 caller 0xfffffe001a754538): Spinlock[0xfffffe2fff89dff0] timeout after 12605983 ticks;  
current state: 0x1d47, start time: 271190928701, now: 271203534684, timeout: 12582912 @locks.c:723  
Debugger message: panic  
Memory ID: 0x6  
OS release type: User  
OS version: 21C52  
Kernel version: Darwin Kernel Version 21.2.0: Sun Nov 28 20:28:41 PST 2021; root:xnu-  
8019.61.5~1/RELEASE\_ARM64\_T6000  
Fileset Kernelcache UUID: 88208EF24C07AA8B02CDA1369E036EBD  
Kernel UUID: 2F4E22DC-64BE-3369-B574-0909F0571FA6  
iBoot version: iBoot-7429.61.2  
secure boot?: YES  
Paniclog version: 13  
KernelCache slide: 0x0000000012dd4000  
KernelCache base: 0xfffffe0019dd8000  
Kernel slide: 0x0000000013600000  
Kernel text base: 0xfffffe001a604000  
Kernel text exec slide: 0x00000000136e8000  
Kernel text exec base: 0xfffffe001a6ec000  
mach\_absolute\_time: 0x3f25063135  
Epoch Time:     sec     usec  
  Boot   : 0x61c48b73 0x0003a4b7  
  Sleep   : 0x61c8af3a 0x0005d66a  
  Wake    : 0x61c8af4b 0x0001478b  
  Calendar: 0x61c8afbb 0x000451f5

Zone info:

Foreign : 0xfffffe00222fc000 - 0xfffffe0022310000  
Native : 0xfffffe100074c000 - 0xfffffe300074c000  
Readonly : 0xfffffe14cd418000 - 0xfffffe1666dac000  
Metadata : 0xfffffe759a434000 - 0xfffffe75a63b0000  
Bitmaps : 0xfffffe75a63b0000 - 0xfffffe75bd7c8000  
CORE 0 PVH locks held: None  
CORE 1 PVH locks held: None  
CORE 2 PVH locks held: None  
CORE 3 PVH locks held: None  
CORE 4 PVH locks held: None  
CORE 5 PVH locks held: None  
CORE 6 PVH locks held: None  
CORE 7 PVH locks held: None  
CORE 8 PVH locks held: None  
CORE 9 PVH locks held: None  
CORE 0: PC=0xfffffe001a87327c, LR=0xfffffe001a873278, FP=0xfffffe6087523e80  
CORE 1: PC=0xfffffe001a772f18, LR=0xfffffe001a772f18, FP=0xfffffe61008d3ef0  
CORE 2: PC=0xfffffe001a772f1c, LR=0xfffffe001a772f18, FP=0xfffffe611a1dbef0  
CORE 3: PC=0xfffffe001a772f1c, LR=0xfffffe001a772f18, FP=0xfffffe6036d9bef0  
CORE 4: PC=0xfffffe001a772f1c, LR=0xfffffe001a772f18, FP=0xfffffe6101343ef0  
CORE 5: PC=0xfffffe001a772f1c, LR=0xfffffe001a772f18, FP=0xfffffe611727bef0

CORE 6: PC=0xfffffe001a772f1c, LR=0xfffffe001a772f18, FP=0xfffffe6101683ef0  
CORE 7 is the one that panicked. Check the full backtrace for details.  
CORE 8: PC=0xfffffe001a772f1c, LR=0xfffffe001a772f18, FP=0xfffffe6031fabef0  
CORE 9: PC=0xfffffe001a772f1c, LR=0xfffffe001a772f18, FP=0xfffffe61010a3ef0  
Panicked task 0xfffffe2001ad7a38: 12958 pages, 12 threads: pid 602: Google Chrome He  
Panicked thread: 0xfffffe24cf41a9a0, backtrace: 0xfffffe61011f3020, tid: 14584

lr: 0xfffffe001a73e4e4 fp: 0xfffffe61011f3090  
lr: 0xfffffe001a73e1b4 fp: 0xfffffe61011f3100  
lr: 0xfffffe001a87e070 fp: 0xfffffe61011f3120  
lr: 0xfffffe001a87047c fp: 0xfffffe61011f31a0  
lr: 0xfffffe001a86decc fp: 0xfffffe61011f3260  
lr: 0xfffffe001a6f37f8 fp: 0xfffffe61011f3270  
lr: 0xfffffe001a73de28 fp: 0xfffffe61011f3610  
lr: 0xfffffe001a73de28 fp: 0xfffffe61011f3680  
lr: 0xfffffe001af53a90 fp: 0xfffffe61011f36a0  
lr: 0xfffffe001a754538 fp: 0xfffffe61011f36f0  
lr: 0xfffffe001a7542f4 fp: 0xfffffe61011f3770  
lr: 0xfffffe001a86d224 fp: 0xfffffe61011f3830  
lr: 0xfffffe001c742310 fp: 0xfffffe61011f3850  
lr: 0xfffffe001c76c8d0 fp: 0xfffffe61011f3870  
lr: 0xfffffe001c75377c fp: 0xfffffe61011f3890  
lr: 0xfffffe001c7516f0 fp: 0xfffffe61011f38b0  
lr: 0xfffffe001c75ad4c fp: 0xfffffe61011f38d0  
lr: 0xfffffe001aeb57e8 fp: 0xfffffe61011f3930  
lr: 0xfffffe001aec1eb0 fp: 0xfffffe61011f3ac0  
lr: 0xfffffe001a83e898 fp: 0xfffffe61011f3be0  
lr: 0xfffffe001a744818 fp: 0xfffffe61011f3c80  
lr: 0xfffffe001a71b690 fp: 0xfffffe61011f3cf0  
lr: 0xfffffe001a73316c fp: 0xfffffe61011f3d80  
lr: 0xfffffe001a86345c fp: 0xfffffe61011f3e50  
lr: 0xfffffe001a86e304 fp: 0xfffffe61011f3f10  
lr: 0xfffffe001a6f37f8 fp: 0xfffffe61011f3f20

Kernel Extensions in backtrace:

com.apple.iokit.IOGPUFamily(35.11)[9D4C6320-707B-39C3-AD45-B1964332B8EC]@0xfffffe001c741e90->0xfffffe001c770423  
dependency: com.apple.driver.AppleMobileFileIntegrity(1.0.5)[865C4CEB-66D4-3093-81CF-FFF584FB7289]@0xfffffe001ba2d930->0xfffffe001ba485bf  
dependency: com.apple.iokit.IOGraphicsFamily(593)[BA7C7306-5CCB-31BD-8295-0256EC054570]@0xfffffe001c770440->0xfffffe001c7a7a77  
dependency: com.apple.iokit.IOPCIFamily(2.9)[0DB7597E-CBBD-3834-8BB0-CDD4E98440EB]@0xfffffe001c9bc0c0->0xfffffe001c9d8903  
dependency: com.apple.iokit.IOReportFamily(47)[34D7D91F-E485-3F2E-85CE-1023F8B66A8E]@0xfffffe001c9d8910->0xfffffe001c9db95b  
dependency: com.apple.iokit.IOSurface(302.9)[1517231E-7174-32B9-8ECD-B1F576E85730]@0xfffffe001cab5300->0xfffffe001cad5557

last started kext at 12439007550: com.apple.filesystems.smbfs 4.0 (addr 0xfffffe001a5ead60, size 64483)

loaded kexts:

```
com.apple.filesystems.smbfs      4.0
com.apple.driver.AppleBluetoothMultitouch  100
com.apple.fileutil               20.036.15
com.apple.filesystems.autofs     3.0
com.apple.fsplaceholder          1.14.1
com.apple.driver.AppleTopCaseHIDEventDriver 5020.1
com.apple.driver.AppleBiometricServices    1
com.apple.driver.CoreKDL         1
com.apple.driver.DiskImages.ReadWriteDiskImage 493.0.0
com.apple.driver.DiskImages.UDIFDiskImage 493.0.0
com.apple.driver.DiskImages.RAMBackingStore 493.0.0
com.apple.driver.DiskImages.FileBackingStore 493.0.0
com.apple.filesystems.apfs       1933.61.1
com.apple.driver.SEPHibernation   1
com.apple.driver.BCMWLANFirmware4387.Hashstore 1
com.apple.driver.AppleUSBDeviceNCM 5.0.0
com.apple.driver.AppleThunderboltIP 4.0.3
com.apple.driver.AppleFileSystemDriver      3.0.1
com.apple.nke.l2tp               1.9
com.apple.filesystems.tmpfs      1
com.apple.filesystems.lifs       1
com.apple.IOTextEncryptionFamily 1.0.0
com.apple.filesystems.hfs.kext 582.60.2
com.apple.security.BootPolicy    1
com.apple.BootCache              40
com.apple.AppleFSCompression.AppleFSCompressionTypeZlib 1.0.0
com.apple.AppleFSCompression.AppleFSCompressionTypeDataless 1.0.0d1
com.apple.AppleEmbeddedSimpleSPINORFlasher 1
com.apple.driver.AppleSmartIO2    1
com.apple.driver.AppleCS42L84Audio 520.5
com.apple.driver.ApplePMP         1
com.apple.driver.AppleSN012776Amp 520.5
com.apple.driver.AppleT6000SOCTuner 1
com.apple.driver.AppleT6000CLPCv3 1
com.apple.driver.AppleSmartBatteryManager 161.0.0
com.apple.driver.AppleALSCColorSensor 1.0.0d1
com.apple.driver.AppleAOPVoiceTrigger 100.1
com.apple.driver.AppleDPDisplayTCON 1
com.apple.driver.ApplePMPFirmware 1
com.apple.driver.usb.AppleSynopsysUSB40XHCI 1
com.apple.driver.AppleSPMIPMU     1.0.1
com.apple.driver.AppleAVD         416
com.apple.driver.AppleMCDP29XXUpdateSupport 1
com.apple.AGXG13X                187.59
com.apple.driver.AppleAVE2        520.21.1
com.apple.driver.AppleProResHW    126.2.0
com.apple.driver.AppleJPEGDriver  4.7.9
```

com.apple.driver.AppleSDXC	3.1.1	
com.apple.driver.AppleSamsungSerial	1.0.0d1	
com.apple.driver.AppleSerialShim	1	
com.apple.driver.AppleMobileDispt600X-DCP	140.0	
com.apple.driver.AppleM68Buttons	1.0.0d1	
com.apple.driver.AppleT6001PMGR	1	
com.apple.driver.AppleEventLogHandler	1	
com.apple.driver.AppleS5L8960XNCO	1	
com.apple.driver.AppleS8000AES	1	
com.apple.driver.AppleS8000DWI	1.0.0d1	
com.apple.driver.AppleInterruptControllerV2	1.0.0d1	
com.apple.driver.AppleT8110DART	1	
com.apple.driver.AppleBluetoothModule	1	
com.apple.driver.AppleBCM WLANBusInterfacePCle	1	
com.apple.driver.AppleS5L8920XPWM	1.0.0d1	
com.apple.driver.AudioDMAController-T600x	100.51	
com.apple.driver.AppleT6000DART	1	
com.apple.driver.AppleSPIMC	1	
com.apple.driver.AppleS5L8940XI2C	1.0.0d2	
com.apple.driver.AppleT6000	1	
com.apple.iokit.IOUserEthernet	1.0.1	
com.apple.driver.usb.AppleUSBUserHCI	1	
com.apple.iokit.IOKitRegistryCompatibility	1	
com.apple.iokit.EndpointSecurity	1	
com.apple.driver.AppleDiskImages2	126.60.3	
com.apple.AppleSystemPolicy	2.0.0	
com.apple.nke.applicationfirewall	402	
com.apple.kec.InvalidHmac	1	
com.apple.kec.AppleEncryptedArchive	1	
com.apple.driver.AppleBluetoothHIDKeyboard	228	
com.apple.driver.driverkit.serial	6.0.0	
com.apple.kext.triggers	1.0	
com.apple.iokit.IOAVBFamily	1010.2	
com.apple.plugin.IOGPTPlugin	1000.11	
com.apple.iokit.IOEthernetAVBController	1.1.0	
com.apple.driver.AppleHIDKeyboard	228	
com.apple.driver.AppleActuatorDriver	5430.1	
com.apple.driver.AppleMultitouchDriver	5430.1	
com.apple.driver.AppleHSBluetoothDriver	5020.1	
com.apple.driver.IOBluetoothHIDDriver	9.0.0	
com.apple.driver.AppleMesaSEPDDriver	100.99	
com.apple.iokit.IOBiometricFamily	1	
com.apple.driver.DiskImages.KernelBacked	493.0.0	
com.apple.driver.AppleXsanScheme	3	
com.apple.driver.AppleSEPHDCPManager	1.0.1	
com.apple.driver.AppleTrustedAccessory	1	
com.apple.iokit.AppleSEPGenericTransfer	1	
com.apple.driver.AppleConvergedIPCOLYBTControl	1	

com.apple.driver.AppleConvergedPCI	1
com.apple.driver.AppleBluetoothDebug	1
com.apple.driver.usb.networking	5.0.0
com.apple.driver.AppleThunderboltPCIDownAdapter	4.1.1
com.apple.driver.AppleThunderboltDPInAdapter	8.5.1
com.apple.driver.AppleThunderboltDPAdapterFamily	8.5.1
com.apple.driver.AppleThunderboltUSBDownAdapter	1.0.4
com.apple.nke.ppp	1.9
com.apple.driver.AppleBSDKextStarter	3
com.apple.filesystems.hfs.encodings.kext	1
com.apple.driver.AppleHIDTransportSPI	5400.30
com.apple.driver.AppleHIDTransport	5400.30
com.apple.driver.AppleInputDeviceSupport	5400.30
com.apple.driver.AppleBTM	1.0.1
com.apple.driver.AppleDiagnosticDataAccessReadOnly	1.0.0
com.apple.driver.AppleCSEmbeddedAudio	520.5
com.apple.driver.AppleDCPDPTXProxy	1.0.0
com.apple.driver.DCPDPFamilyProxy	1
com.apple.driver.ApplePassthroughPPM	3.0
com.apple.driver.AppleAOPAudio	102.2
com.apple.driver.AppleEmbeddedAudio	520.5
com.apple.iokit.AppleARMIISAudio	100.1
com.apple.driver.AppleUSBXDCIARM	1.0
com.apple.driver.AppleUSBXDCI	1.0
com.apple.iokit.IOUSBDeviceFamily	2.0.0
com.apple.driver.usb.AppleSynopsysUSBXHCI	1
com.apple.driver.usb.AppleUSBXHCI	1.2
com.apple.driver.AppleEmbeddedUSBHost	1
com.apple.driver.usb.AppleUSBHub	1.2
com.apple.driver.usb.AppleUSBHostCompositeDevice	1.2
com.apple.driver.AppleStockholmControl	1.0.0
com.apple.driver.AppleSPU	1
com.apple.driver.AppleDialogPMU	1.0.1
com.apple.driver.AppleSPMI	1.0.1
com.apple.iokit.IONVMeFamily	2.1.0
com.apple.driver.AppleNANDConfigAccess	1.0.0
com.apple.driver.AppleHPM	3.4.4
com.apple.AGXFirmwareKextG13XRTBuddy	187.59
com.apple.AGXFirmwareKextRTBuddy64	187.59
com.apple.iokit.IOGPUFamily	35.11
com.apple.driver.DCPAVFamilyProxy	1
com.apple.iokit.IOMobileGraphicsFamily-DCP	343.0.0
com.apple.iokit.IOMobileGraphicsFamily	343.0.0
com.apple.driver.AppleSART	1
com.apple.driver.AppleT6000TypeCPhy	1
com.apple.driver.AppleT8103TypeCPhy	1
com.apple.driver.AppleDCP	1
com.apple.driver.AppleFirmwareKit	1

com.apple.driver.ApplePMGR 1  
 com.apple.driver.usb.AppleUSBHostPacketFilter 1.0  
 com.apple.driver.AppleARMWatchdogTimer 1  
 com.apple.driver.AppleDisplayCrossbar 1.0.0  
 com.apple.iokit.IODisplayPortFamily 1.0.0  
 com.apple.driver.AppleTypeCPhy 1  
 com.apple.driver.AppleThunderboltNHI 7.2.8  
 com.apple.driver.AppleT6000PCIEC 1  
 com.apple.iokit.IOThunderboltFamily 9.3.3  
 com.apple.driver.ApplePIODMA 1  
 com.apple.driver.AppleT600xPCIE 1  
 com.apple.driver.AppleMultiFunctionManager 1  
 com.apple.driver.AppleBluetoothDebugService 1  
 com.apple.driver.AppleBCMWWLANCore 1.0.0  
 com.apple.iokit.IO80211Family 1200.12.2b1  
 com.apple.driver.IOImageLoader 1.0.0  
 com.apple.driver.AppleOLYHAL 1  
 com.apple.driver.corecapture 1.0.4  
 com.apple.driver.AppleEmbeddedPCIE 1  
 com.apple.driver.AppleMCA2-T600x 600.95  
 com.apple.driver.AppleEmbeddedAudioLibs 100.9.1  
 com.apple.driver.AppleFirmwareUpdateKext 1  
 com.apple.driver.AppleH13CameraInterface 4.87.0  
 com.apple.driver.AppleH10PearlCameraInterface 17.0.3  
 com.apple.driver.AppleGPIOICController 1.0.2  
 com.apple.driver.AppleFireStormErrorHandler 1  
 com.apple.driver.AppleMobileApNonce 1  
 com.apple.iokit.IOTimeSyncFamily 1000.11  
 com.apple.driver.DiskImages 493.0.0  
 com.apple.iokit.IOGraphicsFamily 593  
 com.apple.iokit.IOBluetoothSerialManager 9.0.0  
 com.apple.iokit.IOBluetoothHostControllerUSBTransport 9.0.0  
 com.apple.iokit.IOBluetoothHostControllerUARTTransport 9.0.0  
 com.apple.iokit.IOBluetoothHostControllerTransport 9.0.0  
 com.apple.driver.IOBluetoothHostControllerPCIETransport 9.0.0  
 com.apple.iokit.IOBluetoothFamily 9.0.0  
 com.apple.driver.FairPlayIOKit 68.13.1  
 com.apple.iokit.CSRBluetoothHostControllerUSBTransport 9.0.0  
 com.apple.iokit.BroadcomBluetoothHostControllerUSBTransport 9.0.0  
 com.apple.driver.AppleSSE 1.0  
 com.apple.driver.AppleSEPKeyStore 2  
 com.apple.driver.AppleUSBTDM 532.40.7  
 com.apple.iokit.IOUSBMassStorageDriver 209.40.6  
 com.apple.iokit.IOPCIFamily 2.9  
 com.apple.iokit.IOCSIBlockCommandsDevice 452.60.2  
 com.apple.iokit.IOCSIArchitectureModelFamily 452.60.2  
 com.apple.driver.AppleIPAppender 1.0  
 com.apple.driver.AppleFDEKeyStore 28.30

com.apple.driver.AppleEffaceableStorage	1.0	
com.apple.driver.AppleCredentialManager	1.0	
com.apple.driver.KernelRelayHost	1	
com.apple.iokit.IOUSBHostFamily	1.2	
com.apple.driver.AppleUSBHostMergeProperties	1.2	
com.apple.driver.usb.AppleUSBCommon	1.0	
com.apple.driver.AppleSMC	3.1.9	
com.apple.driver.RTBuddy	1.0.0	
com.apple.driver.AppleEmbeddedTempSensor	1.0.0	
com.apple.driver.AppleARMPMU	1.0	
com.apple.iokit.IOAccessoryManager	1.0.0	
com.apple.driver.AppleOnboardSerial	1.0	
com.apple.iokit.IOSkywalkFamily	1.0	
com.apple.driver.mDNSSoffloadUserClient	1.0.1b8	
com.apple.iokit.IONetworkingFamily	3.4	
com.apple.iokit.IOSerialFamily	11	
com.apple.driver.AppleSEPManager	1.0.1	
com.apple.driver.AppleA7IOP	1.0.2	
com.apple.driver.IOSlaveProcessor	1	
com.apple.driver.AppleBiometricSensor	2	
com.apple.iokit.IOHIDFamily	2.0.0	
com.apple.iokit.CoreAnalyticsFamily	1	
com.apple.driver.AppleANELoadBalancer	5.34.2	
com.apple.driver.AppleH11ANEInterface	5.34.0	
com.apple.AUC	1.0	
com.apple.iokit.IOAVFamily	1.0.0	
com.apple.iokit.IOHDCPFamily	1.0.0	
com.apple.iokit.IOCECFamily	1	
com.apple.iokit.IOAudio2Family	1.0	
com.apple.driver.AppleIISController	100.1	
com.apple.driver.AppleAudioClockLibs	100.9.1	
com.apple.driver.AppleM2ScalerCSCDriver	265.0.0	
com.apple.iokit.IOSurface	302.9	
com.apple.driver.IODARTFamily	1	
com.apple.security.quarantine	4	
com.apple.security.sandbox	300.0	
com.apple.kext.AppleMatch	1.0.0d1	
com.apple.driver.AppleMobileFileIntegrity	1.0.5	
com.apple.security.AppleImage4	4.2.0	
com.apple.kext.CoreTrust	1	
com.apple.iokit.IOCryptoAcceleratorFamily	1.0.1	
com.apple.driver.AppleARMPlatform	1.0.2	
com.apple.iokit.IOSTorageFamily	2.1	
com.apple.iokit.IOSlowAdaptiveClockingFamily	1.0.0	
com.apple.iokit.IOReportFamily	47	
com.apple.kec.pthread	1	
com.apple.kec.Libm	1	
com.apple.kec.corecrypto	12.0	

**\*\* Stackshot Succeeded \*\* Bytes Traced 520399 (Uncompressed 1345328) \*\***

**From:** Richard Page <[richard\\_c\\_page@hotmail.com](mailto:richard_c_page@hotmail.com)>

**Date:** Friday, 24 December 2021 at 08:40

**To:** Richard Page <[rcp@avizent.com](mailto:rcp@avizent.com)>

**Subject:** Apple crash

panic(cpu 0 caller 0xfffffe00228839e0): [data.kalloc.16]: element modified after free (off:0, val:0x0000000000001d47, sz:16, ptr:0xfffffe299b2a3940)

0: 0x0000000000001d47

Debugger message: panic

Memory ID: 0x6

OS release type: User

OS version: 21C52

Kernel version: Darwin Kernel Version 21.2.0: Sun Nov 28 20:28:41 PST 2021; root:xnu-8019.61.5~1/RELEASE\_ARM64\_T6000

Fileset Kernelcache UUID: 88208EF24C07AA8B02CDA1369E036EBD

Kernel UUID: 2F4E22DC-64BE-3369-B574-0909F0571FA6

iBoot version: iBoot-7429.61.2

secure boot?: YES

Paniclog version: 13

KernelCache slide: 0x000000001a700000

KernelCache base: 0xfffffe0021704000

Kernel slide: 0x000000001af2c000

Kernel text base: 0xfffffe0021f30000

Kernel text exec slide: 0x000000001b014000

Kernel text exec base: 0xfffffe0022018000

mach\_absolute\_time: 0x2031977ce1

Epoch Time:      sec      usec

Boot : 0x61c38d52 0x000ef976

Sleep : 0x61c48b50 0x0004535d

Wake : 0x61c48b51 0x00066d08

Calendar: 0x61c48b5a 0x000e7461

Zone info:

Foreign : 0xfffffe002a2fc000 - 0xfffffe002a310000

Native : 0xfffffe100054c000 - 0xfffffe300054c000

Readonly : 0xfffffe14cd218000 - 0xfffffe1666bac000

Metadata : 0xfffffe6af1ba0000 - 0xfffffe6afdafc000

Bitmaps : 0xfffffe6afdafc000 - 0xfffffe6b14f20000

CORE 0 PVH locks held: None

CORE 1 PVH locks held: None



CORE 2 PVH locks held: None

CORE 3 PVH locks held: None

CORE 4 PVH locks held: None

CORE 5 PVH locks held: None

CORE 6 PVH locks held: None

CORE 7 PVH locks held: None

CORE 8 PVH locks held: None

CORE 9 PVH locks held: None

CORE 0 is the one that panicked. Check the full backtrace for details.

CORE 1: PC=0xfffffe002209ef18, LR=0xfffffe002209ef18, FP=0xfffffe6100abbef0

CORE 2: PC=0xfffffe002209ef1c, LR=0xfffffe002209ef18, FP=0xfffffe60320b3ef0

CORE 3: PC=0xfffffe002209ef18, LR=0xfffffe002209ef18, FP=0xfffffe6101adbef0

CORE 4: PC=0xfffffe002209ef18, LR=0xfffffe002209ef18, FP=0xfffffe6036c93ef0

CORE 5: PC=0xfffffe002209ef1c, LR=0xfffffe002209ef18, FP=0xfffffe6036cf3ef0

CORE 6: PC=0xfffffe002209ef18, LR=0xfffffe002209ef18, FP=0xfffffe6036e73ef0

CORE 7: PC=0xfffffe002209ef18, LR=0xfffffe002209ef18, FP=0xfffffe6100c3bef0

CORE 8: PC=0xfffffe002209ef18, LR=0xfffffe002209ef18, FP=0xfffffe61170f3ef0

CORE 9: PC=0xfffffe002209ef1c, LR=0xfffffe002209ef18, FP=0xfffffe60320d3ef0

Panicked task 0xfffffe20006b4678: 0 pages, 609 threads: pid 0: kernel\_task

Panicked thread: 0xfffffe1b333de180, backtrace: 0xfffffe611714afa0, tid: 444

lr: 0xfffffe002206a4e4 fp: 0xfffffe611714b010

lr: 0xfffffe002206a1b4 fp: 0xfffffe611714b080

lr: 0xfffffe00221aa070 fp: 0xfffffe611714b0a0

lr: 0xfffffe002219c47c fp: 0xfffffe611714b120

lr: 0xfffffe0022199ecc fp: 0xfffffe611714b1e0

lr: 0xfffffe002201f7f8 fp: 0xfffffe611714b1f0

lr: 0xfffffe0022069e28 fp: 0xfffffe611714b590

lr: 0xfffffe0022069e28 fp: 0xfffffe611714b600

lr: 0xfffffe002287fa90 fp: 0xfffffe611714b620

lr: 0xfffffe00228839e0 fp: 0xfffffe611714bad0

lr: 0xfffffe00220d36d0 fp: 0xfffffe611714bb30

lr: 0xfffffe00227498bc fp: 0xfffffe611714bb50

lr: 0xfffffe00227f8f58 fp: 0xfffffe611714bb80

lr: 0xfffffe00227fbb98 fp: 0xfffffe611714bba0

lr: 0xfffffe00227fcbec fp: 0xfffffe611714bbe0

lr: 0xfffffe0022bdb5c fp: 0xfffffe611714bc80

lr: 0xfffffe0022d2f8e4 fp: 0xfffffe611714bce0

lr: 0xfffffe0022d7cab0 fp: 0xfffffe611714bd80

lr: 0xfffffe0022d7a054 fp: 0xfffffe611714be90

lr: 0xfffffe0022d7c778 fp: 0xfffffe611714beb0

lr: 0xfffffe002279fd48 fp: 0xfffffe611714bee0

lr: 0xfffffe00227a0908 fp: 0xfffffe611714bf20

lr: 0xfffffe0022028e78 fp: 0x0000000000000000

Kernel Extensions in backtrace:

com.apple.driver.AppleBCMWWANCore(1.0)[85F9DE9A-82D9-3CE8-AC5C-DFBCC3907E0A]@0xfffffe0022bc2d50->0xfffffe0022d8652b

dependency: com.apple.driver.AppleARMPlatform(1.0.2)[1C04FFC7-DD27-3161-A460-F936CDBDBA3E]@0xfffffe0022a02df0->0xfffffe0022a4b58f

dependency: com.apple.driver.AppleMobileFileIntegrity(1.0.5)[865C4CEB-66D4-3093-81CF-  
 FFF584FB7289]@0xfffffe0023359930->0xfffffe00233745bf  
 dependency: com.apple.driver.AppleOLYHAL(1)[4AE103E9-96D9-3A2E-B002-  
 F83C634C7091]@0xfffffe00233943e0->0xfffffe00233a0e8f  
 dependency: com.apple.driver.AppleOnboardSerial(1.0)[A733DB1A-C975-3B3A-9F25-  
 01EB7287C4B1]@0xfffffe00233a0e90->0xfffffe00233b3c93  
 dependency: com.apple.driver.IOImageLoader(1.0.0)[9DCC8F11-8844-3BDA-B016-  
 49CFC5BE62BE]@0xfffffe002418a9e0->0xfffffe002419d06b  
 dependency: com.apple.driver.corecapture(1.0.4)[EE281D3D-73D2-3164-9856-  
 6A77AF18A45F]@0xfffffe0024b59180->0xfffffe0024b77a1f  
 dependency: com.apple.driver.mDNSSoffloadUserClient(1.0.1b8)[20BF3864-0095-3515-9DD2-  
 CF95296B5E57]@0xfffffe00242e4700->0xfffffe00242e80b3  
 dependency: com.apple.iokit.CoreAnalyticsFamily(1)[D3B5A5ED-0139-35D6-8BE7-  
 6F6DA85C9EE5]@0xfffffe0023985a30->0xfffffe002398b8f3  
 dependency: com.apple.iokit.IO80211Family(1200.12.2b1)[5EA2ED9D-6AA5-32BE-AE62-  
 BE42217C4B87]@0xfffffe0023bd6c10->0xfffffe0023d331ef  
 dependency: com.apple.iokit.IONetworkingFamily(3.4)[BC82C7EC-EA19-3712-8F7D-  
 19B9D5301071]@0xfffffe002425c510->0xfffffe002427c1af  
 dependency: com.apple.iokit.IOPCIFamily(2.9)[0DB7597E-CBBD-3834-8BB0-  
 CDD4E98440EB]@0xfffffe00242e80c0->0xfffffe0024304903  
 dependency: com.apple.iokit.IOSerialFamily(11)[E24FCB2B-A2F4-3E46-92ED-  
 F48F19A9CD5E]@0xfffffe0024364950->0xfffffe002436c47b  
 dependency: com.apple.iokit.IOSkywalkFamily(1.0)[96FD5D6B-C220-30EE-86D0-  
 72CFB4382019]@0xfffffe002436c480->0xfffffe00243b8dc3  
 dependency: com.apple.iokit.IOTimeSyncFamily(1000.11)[F7950351-3319-3D80-8E0C-  
 88CEC425D761]@0xfffffe0024520140->0xfffffe002453e2b7  
 dependency: com.apple.kec.corecrypto(12.0)[D707A84E-14B7-3FC9-B566-  
 F9F1D163B3DB]@0xfffffe0024b77a40->0xfffffe0024bc4557

last started kext at 136320651208: com.apple.driver.AppleBluetoothMultitouch 100 (addr  
 0xfffffe0021876a30, size 9500)

loaded kexts:

com.apple.driver.AppleBluetoothMultitouch	100
com.apple.filesystems.smbfs	4.0
com.apple.fsplaceholder	1.14.1
com.apple.filesystems.autofs	3.0
com.apple.fileutil	20.036.15
com.apple.driver.AppleTopCaseHIDEventDriver	5020.1
com.apple.driver.AppleBiometricServices	1
com.apple.driver.CoreKDL	1
com.apple.driver.DiskImages.ReadWriteDiskImage	493.0.0
com.apple.driver.DiskImages.UDIFDiskImage	493.0.0
com.apple.driver.DiskImages.RAMBackingStore	493.0.0
com.apple.driver.DiskImages.FileBackingStore	493.0.0
com.apple.filesystems.apfs	1933.61.1
com.apple.driver.SEPHibernation	1
com.apple.driver.BCMWLANFirmware4387.Hashstore	1
com.apple.driver.AppleUSBDeviceNCM	5.0.0

com.apple.driver.AppleThunderboltIP 4.0.3  
com.apple.driver.AppleFileSystemDriver 3.0.1  
com.apple.nke.l2tp 1.9  
com.apple.filesystems.tmpfs 1  
com.apple.filesystems.lifs 1  
com.apple.IOTextEncryptionFamily 1.0.0  
com.apple.filesystems.hfs.kext 582.60.2  
com.apple.security.BootPolicy 1  
com.apple.BootCache 40  
com.apple.AppleFSCompression.AppleFSCompressionTypeZlib 1.0.0  
com.apple.AppleFSCompression.AppleFSCompressionTypeDataless 1.0.0d1  
com.apple.driver.AppleSmartIO2 1  
com.apple.AppleEmbeddedSimpleSPINORFlasher 1  
com.apple.driver.ApplePMP 1  
com.apple.driver.AppleSN012776Amp 520.5  
com.apple.driver.AppleCS42L84Audio 520.5  
com.apple.driver.AppleT6000SOCTuner 1  
com.apple.driver.AppleT6000CLPCv3 1  
com.apple.driver.AppleSmartBatteryManager 161.0.0  
com.apple.driver.AppleALSCColorSensor 1.0.0d1  
com.apple.driver.AppleAOPVoiceTrigger 100.1  
com.apple.driver.ApplePMPFirmware 1  
com.apple.driver.AppleDPDisplayTCON 1  
com.apple.driver.AppleSPMIPMU 1.0.1  
com.apple.driver.usb.AppleSynopsysUSB40XHCI 1  
com.apple.driver.AppleAVD 416  
com.apple.driver.AppleMCDP29XXUpdateSupport 1  
com.apple.AGXG13X 187.59  
com.apple.driver.AppleAVE2 520.21.1  
com.apple.driver.AppleProResHW 126.2.0  
com.apple.driver.AppleJPEGDriver 4.7.9  
com.apple.driver.AppleSDXC 3.1.1  
com.apple.driver.AppleSamsungSerial 1.0.0d1  
com.apple.driver.AppleSerialShim 1  
com.apple.driver.AppleMobileDispT600X-DCP 140.0  
com.apple.driver.AppleM68Buttons 1.0.0d1  
com.apple.driver.AppleT6001PMGR 1  
com.apple.driver.AppleEventLogHandler 1  
com.apple.driver.AppleS5L8960XNCO 1  
com.apple.driver.AppleS8000AES 1  
com.apple.driver.AppleS8000DWI 1.0.0d1  
com.apple.driver.AppleInterruptControllerV2 1.0.0d1  
com.apple.driver.AppleT8110DART 1  
com.apple.driver.AppleBluetoothModule 1  
com.apple.driver.AppleBCMWWLANBusInterfacePCle 1  
com.apple.driver.AppleS5L8920XPWM 1.0.0d1  
com.apple.driver.AudioDMAController-T600x 100.51  
com.apple.driver.AppleT6000DART 1

com.apple.driver.AppleSPIMC 1  
com.apple.driver.AppleS5L8940XI2C 1.0.0d2  
com.apple.driver.AppleT6000 1  
com.apple.iokit.IOUserEthernet 1.0.1  
com.apple.driver.usb.AppleUSBUserHCI 1  
com.apple.iokit.IOKitRegistryCompatibility 1  
com.apple.iokit.EndpointSecurity 1  
com.apple.driver.AppleDiskImages2 126.60.3  
com.apple.AppleSystemPolicy 2.0.0  
com.apple.nke.applicationfirewall 402  
com.apple.kec.InvalidateHmac 1  
com.apple.kec.AppleEncryptedArchive 1  
com.apple.driver.AppleBluetoothHIDKeyboard 228  
com.apple.driver.driverkit.serial 6.0.0  
com.apple.kext.triggers 1.0  
com.apple.iokit.IOAVBFamily 1010.2  
com.apple.plugin.IOGPTPlugin 1000.11  
com.apple.iokit.IOEthernetAVBController 1.1.0  
com.apple.driver.AppleActuatorDriver 5430.1  
com.apple.driver.AppleMultitouchDriver 5430.1  
com.apple.driver.AppleHSBluetoothDriver 5020.1  
com.apple.driver.IOBluetoothHIDDriver 9.0.0  
com.apple.driver.AppleHIDKeyboard 228  
com.apple.driver.AppleMesaSEPDDriver 100.99  
com.apple.iokit.IOBiometricFamily 1  
com.apple.driver.DiskImages.KernelBacked 493.0.0  
com.apple.driver.AppleXsanScheme 3  
com.apple.driver.AppleTrustedAccessory 1  
com.apple.iokit.AppleSEPGenericTransfer 1  
com.apple.driver.AppleSEPHDCPManager 1.0.1  
com.apple.driver.usb.networking 5.0.0  
com.apple.driver.AppleThunderboltUSBDownAdapter 1.0.4  
com.apple.driver.AppleThunderboltPCIDownAdapter 4.1.1  
com.apple.driver.AppleThunderboltDPInAdapter 8.5.1  
com.apple.driver.AppleThunderboltDPAdapterFamily 8.5.1  
com.apple.driver.AppleHIDTransportSPI 5400.30  
com.apple.driver.AppleHIDTransport 5400.30  
com.apple.driver.AppleInputDeviceSupport 5400.30  
com.apple.nke.ppp 1.9  
com.apple.driver.AppleConvergedIPCOLYBTControl 1  
com.apple.driver.AppleConvergedPCI 1  
com.apple.driver.AppleBluetoothDebug 1  
com.apple.driver.AppleBSDKextStarter 3  
com.apple.driver.AppleBTM 1.0.1  
com.apple.filesystems.hfs.encodings.kext 1  
com.apple.driver.AppleDCPDPTXProxy 1.0.0  
com.apple.driver.DCPDPFamilyProxy 1  
com.apple.driver.AppleDiagnosticDataAccessReadOnly 1.0.0

com.apple.driver.AppleCSEmbeddedAudio	520.5
com.apple.driver.ApplePassthroughPPM	3.0
com.apple.driver.AppleAOPAudio	102.2
com.apple.driver.AppleEmbeddedAudio	520.5
com.apple.iokit.AppleARMIIISAudio	100.1
com.apple.driver.AppleSPU	1
com.apple.iokit.IONVMeFamily	2.1.0
com.apple.driver.AppleNANDConfigAccess	1.0.0
com.apple.AGXFirmwareKextG13XRTBuddy	187.59
com.apple.AGXFirmwareKextRTBuddy64	187.59
com.apple.driver.AppleStockholmControl	1.0.0
com.apple.driver.AppleDialogPMU	1.0.1
com.apple.driver.AppleUSBXDCIARM	1.0
com.apple.driver.AppleUSBXDCI	1.0
com.apple.iokit.IOUSBDeviceFamily	2.0.0
com.apple.driver.usb.AppleSynopsysUSBXHCI	1
com.apple.driver.usb.AppleUSBXHCI	1.2
com.apple.driver.AppleEmbeddedUSBHost	1
com.apple.driver.usb.AppleUSBHub	1.2
com.apple.driver.usb.AppleUSBHostCompositeDevice	1.2
com.apple.driver.AppleSPMI	1.0.1
com.apple.driver.AppleHPM	3.4.4
com.apple.iokit.IOGPUFamily	35.11
com.apple.driver.DCPAVFamilyProxy	1
com.apple.iokit.IOMobileGraphicsFamily-DCP	343.0.0
com.apple.iokit.IOMobileGraphicsFamily	343.0.0
com.apple.driver.AppleSART	1
com.apple.driver.AppleT6000TypeCPhy	1
com.apple.driver.AppleT8103TypeCPhy	1
com.apple.driver.AppleDCP	1
com.apple.driver.AppleFirmwareKit	1
com.apple.driver.ApplePMGR	1
com.apple.driver.usb.AppleUSBHostPacketFilter	1.0
com.apple.driver.AppleARMWatchdogTimer	1
com.apple.driver.AppleDisplayCrossbar	1.0.0
com.apple.iokit.IODisplayPortFamily	1.0.0
com.apple.driver.AppleTypeCPhy	1
com.apple.driver.AppleThunderboltNHI	7.2.8
com.apple.driver.AppleT6000PCIEC	1
com.apple.iokit.IOThunderboltFamily	9.3.3
com.apple.driver.ApplePIODMA	1
com.apple.driver.AppleT600xPCIE	1
com.apple.driver.AppleMultiFunctionManager	1
com.apple.driver.AppleBluetoothDebugService	1
com.apple.driver.AppleBCMWWLANCore	1.0.0
com.apple.iokit.IO80211Family	1200.12.2b1
com.apple.driver.IOImageLoader	1.0.0
com.apple.driver.AppleOLYHAL	1

com.apple.driver.corecapture	1.0.4
com.apple.driver.AppleEmbeddedPCIE	1
com.apple.driver.AppleMCA2-T600x	600.95
com.apple.driver.AppleEmbeddedAudioLibs	100.9.1
com.apple.driver.AppleFirmwareUpdateKext	1
com.apple.driver.AppleH13CameraInterface	4.87.0