

panic(cpu 7 caller 0xfffffe002166c4c4): "dart-disp0  
(0xfffffe2336944000): SMMU(SMMU) error: SID 0 PTE invalid  
exception on read with DVA 0x4004000 (TTBR 0 SEG 0x2 PTE  
0x1) ERROR\_STATUS 0x80000004 TIME 0x1b150cf605bb TTE  
0 AXI\_ID 0)"

Debugger message: panic

Memory ID: 0x6

OS release type: User

OS version: 20C69

Kernel version: Darwin Kernel Version 20.2.0: Wed Dec 2

20:40:21 PST 2020; root:xnu-7195.60.75~1/

RELEASE\_ARM64\_T8101

Fileset Kernelcache UUID:

3E6AA74DF723BCB886499A5AAB34FA34

Kernel UUID: 48F71DB3-6C91-3E62-9576-3A1DCEF2B536

iBoot version: iBoot-6723.61.3

secure boot?: YES

Paniclog version: 13

KernelCache slide: 0x00000000184bc000

KernelCache base: 0xfffffe001f4c0000

Kernel slide: 0x0000000018ffc000

Kernel text base: 0xfffffe0020000000

Kernel text exec base: 0xfffffe00200c8000

mach\_absolute\_time: 0xa664ad8bdb

Epoch Time: sec usec

Boot : 0x5fe4c436 0x000384be

Sleep : 0x5fe52c6a 0x000acfc2

Wake : 0x5fe52c6b 0x00021de1

Calendar: 0x5fe538ac 0x000a122d

CORE 0 recently retired instr at 0xfffffe0020232c5c

CORE 1 recently retired instr at 0xfffffe0020232c5c

CORE 2 recently retired instr at 0xfffffe0020232c5c

CORE 3 recently retired instr at 0xfffffe0020232c5c

CORE 4 recently retired instr at 0xfffffe0020232c60

CORE 5 recently retired instr at 0xfffffe0020232c60

CORE 6 recently retired instr at 0xfffffe0020232c60

CORE 7 recently retired instr at 0xfffffe0020231798

Panicked task 0xfffffe166e6a2550: 11325 pages, 18 threads: pid  
129: WindowServer

Panicked thread: 0xfffffe166fe08000, backtrace:

0xfffffe30678e74e0, tid: 2421

lr: 0xfffffe0020115f8c fp: 0xfffffe30678e7550

lr: 0xfffffe0020115d58 fp: 0xfffffe30678e75c0

lr: 0xfffffe0020237f5c fp: 0xfffffe30678e75e0

lr: 0xfffffe0020229914 fp: 0xfffffe30678e7690

lr: 0xfffffe00200cf7e8 fp: 0xfffffe30678e76a0

lr: 0xfffffe00201159e8 fp: 0xfffffe30678e7a30

lr: 0xfffffe00201159e8 fp: 0xfffffe30678e7aa0

lr: 0xfffffe00208b03f8 fp: 0xfffffe30678e7ac0

lr: 0xfffffe002166c4c4 fp: 0xfffffe30678e7ae0

lr: 0xfffffe00216690e0 fp: 0xfffffe30678e7d40

lr: 0xfffffe0021668c1c fp: 0xfffffe30678e7dd0

lr: 0xfffffe0021668470 fp: 0xfffffe30678e7e80

lr: 0xfffffe00207e707c fp: 0xfffffe30678e7ec0

lr: 0xfffffe002081b570 fp: 0xfffffe30678e7f20

lr: 0xfffffe002121e808 fp: 0xfffffe30678e7fb0

lr: 0xfffffe002080d48c fp: 0xfffffe30678e7fc0

lr: 0xfffffe002022c218 fp: 0xfffffe30678e7fe0

lr: 0xfffffe00200cf85c fp: 0xfffffe30678e7ff0

lr: 0xfffffe0020760a84 fp: 0xfffffe308a9a3750

lr: 0xfffffe0020760fac fp: 0xfffffe308a9a37c0

lr: 0xfffffe0020760fac fp: 0xfffffe308a9a3830

lr: 0xfffffe0020761100 fp: 0xfffffe308a9a38a0

lr: 0xfffffe0020760fac fp: 0xfffffe308a9a3910

lr: 0xfffffe0020761100 fp: 0xfffffe308a9a3980

lr: 0xfffffe0020760fac fp: 0xfffffe308a9a39f0

lr: 0xfffffe00207609a4 fp: 0xfffffe308a9a3a20

lr: 0xfffffe0020754a1c fp: 0xfffffe308a9a3a70

lr: 0xfffffe0020724bbc fp: 0xfffffe308a9a3ad0  
lr: 0xfffffe002079257c fp: 0xfffffe308a9a3b00  
lr: 0xfffffe002082a798 fp: 0xfffffe308a9a3b90  
lr: 0xfffffe00201f6bf8 fp: 0xfffffe308a9a3bd0  
lr: 0xfffffe002011b15c fp: 0xfffffe308a9a3c40  
lr: 0xfffffe00200f3a28 fp: 0xfffffe308a9a3cc0  
lr: 0xfffffe002010bdd8 fp: 0xfffffe308a9a3d70  
lr: 0xfffffe002021d1a4 fp: 0xfffffe308a9a3e40  
lr: 0xfffffe0020229988 fp: 0xfffffe308a9a3ef0  
lr: 0xfffffe00200cf7e8 fp: 0xfffffe308a9a3f00

Kernel Extensions in backtrace:

com.apple.driver.AppleT8020DART(1.0)

[D768ADF3-3CA3-3499-8780-6132BBD96EE9]@0xfffffe0021664000->0xfffffe002166ffff

dependency: com.apple.driver.AppleARMPlatform(1.0.2)

[5CBA9CD0-

E248-38E3-94E5-4CC5EAB96DE1]@0xfffffe0020a08000->0xfffffe0020a53fff

dependency: com.apple.driver.IODARTFamily(1)

[88B19766-4B19-3106-8ACE-

EC29201F00A3]@0xfffffe0022150000->0xfffffe0022163fff

com.apple.driver.AppleInterruptController(1.0d1)[3050C096-BD70-354E-A26C-1F64FCC326FA]@0xfffffe002121c000->0xfffffe002121ffff

dependency: com.apple.driver.AppleARMPlatform(1.0.2)

[5CBA9CD0-

E248-38E3-94E5-4CC5EAB96DE1]@0xfffffe0020a08000->0xfffffe0020a53fff

last started kext at 574671461924:

com.apple.driver.AppleTopCaseHIDEventDriver 4020.6 (addr 0xfffffe001fa8c000, size 16384)

last stopped kext at 49371000415:

com.apple.driver.usb.AppleUSBHostPacketFilter 1.0 (addr 0xfffffe001fe6c000, size 16384)

loaded kexts:

com.apple.driver.AppleTopCaseHIDEventDriver 4020.6  
com.apple.filesystems.smbfs 3.4.1  
com.apple.fileutil 20.036.15  
com.apple.filesystems.autofs 3.0  
com.apple.iokit.IOBluetoothSerialManager 8.0.2f9  
com.apple.driver.BCMWLANFirmware4378.Hashstore 1  
com.apple.driver.AppleAOPVoiceTrigger 11.5  
com.apple.driver.AppleThunderboltIP 4.0.3  
com.apple.iokit.AppleBCM5701Ethernet 11.0.0  
com.apple.driver.CoreKDL 1  
com.apple.driver.SEPHibernation 1  
com.apple.driver.AppleUSBDeviceNCM 5.0.0  
com.apple.filesystems.apfs 1677.60.23  
com.apple.nke.l2tp 1.9  
com.apple.filesystems.tmpfs 1  
com.apple.driver.ApplePMP 1  
com.apple.IOTextEncryptionFamily 1.0.0  
com.apple.filesystems.hfs.kext 556.60.1  
com.apple.security.BootPolicy 1  
com.apple.BootCache 40  
com.apple.AppleFSCompression.AppleFSCompressionTypeZlib  
1.0.0  
com.apple.AppleFSCompression.AppleFSCompressionTypeDataL  
ess 1.0.0d1  
com.apple.driver.ApplePMPFirmware 1  
com.apple.driver.AppleSmartIO2 1  
com.apple.AppleEmbeddedSimpleSPINORFlasher 1  
com.apple.driver.AppleSPMIPMU 1.0.1  
com.apple.driver.AppleCS42L83Audio 437.96  
com.apple.driver.AppleTAS5770LAmp 437.96  
com.apple.driver.AppleT8020SOCTuner 1  
com.apple.driver.AppleT8103CLPCv3 1  
com.apple.AGXG13G 172.20.14

com.apple.driver.AppleAVD 375  
com.apple.driver.AppleAVE2 401.63.3  
com.apple.driver.AppleJPEGDriver 4.6.0  
com.apple.driver.AppleMobileDispH13G-DCP 140.0  
com.apple.driver.usb.AppleUSBHostT8103 1  
com.apple.driver.AudioDMAController-T8103 1.58  
com.apple.driver.AppleSPIMC 1  
com.apple.driver.AppleS5L8960XNCO 1  
com.apple.driver.AppleT8103PMGR 1  
com.apple.driver.AppleS8000AES 1  
com.apple.driver.AppleS5L8920XPWM 1.0.0d1  
com.apple.driver.AppleS8000DWI 1.0.0d1  
com.apple.driver.AppleS5L8960XWatchDogTimer 1  
com.apple.driver.AppleInterruptController 1.0.0d1  
com.apple.driver.AppleBluetoothModule 1  
com.apple.driver.AppleSamsungSerial 1.0.0d1  
com.apple.driver.AppleBCM WLANBusInterfacePCIe 1  
com.apple.driver.AppleT8020DART 1  
com.apple.driver.AppleS5L8940XI2C 1.0.0d2  
com.apple.driver.AppleT8101 1  
com.apple.driver.AppleM68Buttons 1.0.0d1  
com.apple.iokit.IOUserEthernet 1.0.1  
com.apple.iokit.IOKitRegistryCompatibility 1  
com.apple.iokit.EndpointSecurity 1  
com.apple.driver.AppleDiskImages2 1  
com.apple.AppleSystemPolicy 2.0.0  
com.apple.nke.applicationfirewall 310  
com.apple.kec.InvalidateHmac 1  
com.apple.driver.AppleMultitouchDriver 4400.28  
com.apple.driver.AppleInputDeviceSupport 4400.35  
com.apple.driver.AppleHSBluetoothDriver 4020.6  
com.apple.driver.AppleHIDKeyboard 222  
com.apple.driver.IOBluetoothHIDDriver 8.0.2f9  
com.apple.plugin.IOAVBDiscoveryPlugin 900.12

com.apple.kext.triggers 1.0  
com.apple.iokit.IOAVBFamily 900.12  
com.apple.plugin.IOGPTPlugin 900.11  
com.apple.iokit.IOEthernetAVBController 1.1.0  
com.apple.driver.AppleAOPAudio 14.32  
com.apple.driver.IOBluetoothHostControllerPCleTransport 8.0.2f9  
com.apple.iokit.IOBluetoothHostControllerTransport 8.0.2f9  
com.apple.driver.AppleConvergedIPCOLYBTControl 1  
com.apple.driver.AppleConvergedPCI 1  
com.apple.driver.usb.AppleEmbeddedUSBXHCIPCI 1  
com.apple.driver.usb.AppleUSBXHCIPCI 1.2  
com.apple.driver.AppleEmbeddedUSB 1  
com.apple.driver.AppleBluetoothDebug 1  
com.apple.driver.AppleSEPHDCPManager 1.0.1  
com.apple.iokit.AppleSEPGenericTransfer 1  
com.apple.driver.usb.networking 5.0.0  
com.apple.driver.AppleThunderboltPCIDownAdapter 4.1.1  
com.apple.driver.AppleThunderboltUSBDownAdapter 1.0.4  
com.apple.driver.AppleThunderboltDPInAdapter 8.1.4  
com.apple.driver.AppleThunderboltDPAdapterFamily 8.1.4  
com.apple.driver.AppleBTM 1.0.1  
com.apple.nke.ppp 1.9  
com.apple.driver.AppleDCPDPTXProxy 1.0.0  
com.apple.driver.DCPDPFamilyProxy 1  
com.apple.driver.AppleBSDKextStarter 3  
com.apple.filesystems.hfs.encodings.kext 1  
com.apple.driver.AppleDiagnosticDataAccessReadOnly 1.0.0  
com.apple.iokit.IONVMeFamily 2.1.0  
com.apple.driver.AppleNANDConfigAccess 1.0.0  
com.apple.AGXFirmwareKextG13GRTBuddy 172.20.14  
com.apple.AGXFirmwareKextRTBuddy64 172.20.14  
com.apple.driver.AppleStockholmControl 1.0.0  
com.apple.driver.AppleSPU 1  
com.apple.driver.AppleDialogPMU 1.0.1

com.apple.driver.AppleHPM 3.4.4  
com.apple.driver.AppleCSEmbeddedAudio 437.96  
com.apple.driver.AppleEmbeddedAudio 437.96  
com.apple.iokit.AppleARMIISAudio 80.34  
com.apple.driver.ApplePassthroughPPM 3.0  
com.apple.driver.AppleMCA2-T8103 510.72  
com.apple.iokit.IOGPUFamily 20.21.1  
com.apple.driver.AppleH11ANInterface 4.51.0  
com.apple.driver.DCPAVFamilyProxy 1  
com.apple.iokit.IOMobileGraphicsFamily-DCP 343.0.0  
com.apple.driver.AppleDCP 1  
com.apple.driver.AppleFirmwareKit 1  
com.apple.iokit.IOMobileGraphicsFamily 343.0.0  
com.apple.driver.AppleSPMI 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.AppleUSBXHCIARM 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.AppleT8103TypeCPhy 1  
com.apple.driver.AppleSART 1  
com.apple.driver.ApplePMGR 1  
com.apple.driver.watchdog 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.AppleT8103PCleC 1  
com.apple.iokit.IOThunderboltFamily 9.3.2  
com.apple.driver.ApplePIODMA 1  
com.apple.driver.AppleT8103PCle 1

com.apple.driver.AppleMultiFunctionManager 1  
com.apple.driver.AppleEmbeddedPCIE 1  
com.apple.driver.AppleBluetoothDebugService 1  
com.apple.driver.AppleBCM WLANCore 1.0.0  
com.apple.iokit.IO80211FamilyV2 1200.12.2b1  
com.apple.driver.IOImageLoader 1.0.0  
com.apple.driver.corecapture 1.0.4  
com.apple.driver.AppleGPIOICController 1.0.2  
com.apple.driver.AppleFireStormErrorHandler 1  
com.apple.driver.AppleMobileApNonce 1  
com.apple.iokit.IOTimeSyncFamily 900.11  
com.apple.driver.DiskImages 493.0.0  
com.apple.iokit.IOGraphicsFamily 585  
com.apple.iokit.IOBluetoothFamily 8.0.2f9  
com.apple.iokit.IOBluetoothPacketLogger 8.0.2f9  
com.apple.driver.FairPlayIOKit 68.5.0  
com.apple.iokit.CoreAnalyticsFamily 1  
com.apple.driver.AppleSSE 1.0  
com.apple.driver.AppleSEPKeyStore 2  
com.apple.driver.AppleUSBTDM 511.60.2  
com.apple.iokit.IOUSBMassStorageDriver 184.40.6  
com.apple.iokit.IOPCIFamily 2.9  
com.apple.iokit.IO SCSIBlockCommandsDevice 436.40.6  
com.apple.iokit.IO SCSIArchitectureModelFamily 436.40.6  
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  
com.apple.driver.mDNSOffloadUserClient 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.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.AppleEmbeddedAudioLibs 1.17  
com.apple.driver.AppleFirmwareUpdateKext 1  
com.apple.driver.AppleM2ScalerCSCDriver 265.0.0  
com.apple.iokit.IOSurface 289.3  
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.kext.CoreTrust 1  
com.apple.security.AppleImage4 3.0.0  
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.corecrypto 11.1  
com.apple.kec.Libm 1

\*\* Stackshot Succeeded \*\* Bytes Traced 266400 (Uncompressed  
667280) \*\*