

Process: Papyrus_Author [629]
Path: /Applications/Papyrus Author/Papyrus Author.app/Contents/MacOS/
Papyrus_Author
Identifier: Papyrus_Author
Version: 11.09e (11.09e)
Code Type: X86-64 (Native)
Parent Process: ??? [1]
Responsible: Papyrus_Author [629]
User ID: 501

Date/Time: 2023-12-14 16:01:28.378 +0000
OS Version: Mac OS X 10.15.7 (19H2026)
Report Version: 12
Anonymous UUID: EB8D43C9-39CB-5B05-7542-35C6B2D04090

Time Awake Since Boot: 350 seconds

System Integrity Protection: enabled

Crashed Thread: 0 Dispatch queue: com.apple.main-thread

Exception Type: EXC_BAD_ACCESS (SIGSEGV)
Exception Codes: KERN_INVALID_ADDRESS at 0x0000000000000000
Exception Note: EXC_CORPSE_NOTIFY

Termination Signal: Segmentation fault: 11
Termination Reason: Namespace SIGNAL, Code 0xb
Terminating Process: exc handler [629]

VM Regions Near 0:

-->
__TEXT 0000000100e94000-0000000101b74000 [12.9M] r-x/r-x
SM=COW /Applications/Papyrus Author/Papyrus Author.app/Contents/MacOS/
Papyrus_Author

Application Specific Information:

/Applications/Papyrus Author/Papyrus Author.app/Contents/MacOS/Papyrus_Author

Thread 0 Crashed:: Dispatch queue: com.apple.main-thread
0 ??? 0000000000000000 0 + 0
1 com.rom-logicware.papyrus 0x0000000100fcfc89 0x100e94000 +
1293449
2 com.rom-logicware.papyrus 0x0000000100feaad2 0x100e94000 +
1403602
3 dyld 0x000000010745e353
ImageLoaderMachO::doModInitFunctions(ImageLoader::LinkContext const&) + 535
4 dyld 0x000000010745e75e
ImageLoaderMachO::doInitialization(ImageLoader::LinkContext const&) + 40
5 dyld 0x000000010745917b

```
ImageLoader::recursiveInitialization(ImageLoader::LinkContext const&, unsigned int,
char const*, ImageLoader::InitializerTimingList&, ImageLoader::UninitUpwards&)
+ 493
6 dyld          0x0000000107457234
ImageLoader::processInitializers(ImageLoader::LinkContext const&, unsigned int,
ImageLoader::InitializerTimingList&, ImageLoader::UninitUpwards&) + 188
7 dyld          0x00000001074572d4
ImageLoader::runInitializers(ImageLoader::LinkContext const&,
ImageLoader::InitializerTimingList&) + 82
8 dyld          0x00000001074456a8 dyld::initializeMainExecutable() +
199
9 dyld          0x000000010744abf7 dyld::_main(macho_header const*,
unsigned long, int, char const**, char const**, char const**, unsigned long*) + 6728
10 dyld         0x0000000107444227
dyldbootstrap::start(dyld3::MachOLoaded const*, int, char const**,
dyld3::MachOLoaded const*, unsigned long*) + 453
11 dyld         0x0000000107444025 _dyld_start + 37
```

Thread 1:

```
0 libsystem_pthread.dylib      0x00007fff6af48b68 start_wqthread + 0
```

Thread 2:

```
0 libsystem_pthread.dylib      0x00007fff6af48b68 start_wqthread + 0
```

Thread 0 crashed with X86 Thread State (64-bit):

```
rax: 0x0000600000d3b030 rbx: 0x0000000100e94000 rcx: 0x0000000000000008
rdx: 0x0000000000000001
rdi: 0x00000000000000018 rsi: 0x0000000000000074 rbp: 0x00007ffeed66980
rsp: 0x00007ffeed5f5d8
r8: 0x0000000000000000 r9: 0xffffffff00000000 r10: 0x00007ffeed6bcb0 r11:
0x0000000102c921b0
r12: 0x000000000000000c r13: 0x00007ffeed669b0 r14: 0x0000000100ea3550
r15: 0x0000000000000000
rip: 0x0000000000000000 rfl: 0x0000000000010206 cr2: 0x0000000000000000
```

Logical CPU: 2

Error Code: 0x00000014 (no mapping for user instruction read)

Trap Number: 14

Binary Images:

```
0x100e94000 -    0x101b73fff +com.rom-logicware.papyrus (11.09e - 11.09e)
<930D7C30-A8AD-3767-B98E-4D1CD1A0CD8B> /Applications/Papyrus Author/
Papyrus Author.app/Contents/MacOS/Papyrus_Author
0x101f5c000 -    0x101f68ffb +org.qt-project.QtQuickWidgets (5.15 - 5.15.2)
<A37FC284-6E0B-3D90-A5F1-45661530F9FE> /Applications/Papyrus Author/
Papyrus Author.app/Contents/Frameworks/QtQuickWidgets.framework/Versions/5/
QtQuickWidgets
0x101f80000 -    0x101f88ffb +org.qt-project.QtMacExtras (5.15 - 5.15.2)
<F7E28B8B-BEB0-3BB8-AD60-15F9E4732B0E> /Applications/Papyrus Author/
```

Papyrus Author.app/Contents/Frameworks/QtMacExtras.framework/Versions/5/
QtMacExtras
 0x101f9e000 - 0x101fc1ff7 +org.qt-project.QtWebEngineWidgets (5.15 -
5.15.2) <082D78CC-FA28-399E-A3A5-013547DCBC10> /Applications/Papyrus
Author/Papyrus Author.app/Contents/Frameworks/QtWebEngineWidgets.framework/
Versions/5/QtWebEngineWidgets
 0x101ff0000 - 0x102436ff +org.qt-project.QtWidgets (5.15 - 5.15.2)
<B432D666-DCAB-320A-8496-78A67F554C0E> /Applications/Papyrus Author/
Papyrus Author.app/Contents/Frameworks/QtWidgets.framework/Versions/5/
QtWidgets
 0x1025b7000 - 0x102aa0ff +org.qt-project.QtGui (5.15 - 5.15.2)
<CBCEC35A-EE54-354F-9C2B-188AC6B2790D> /Applications/Papyrus Author/
Papyrus Author.app/Contents/Frameworks/QtGui.framework/Versions/5/QtGui
 0x102bce000 - 0x10313e7df +org.qt-project.QtCore (5.15 - 5.15.2)
<C723812A-F7A5-3001-98D5-E60E8DAA6FFB> /Applications/Papyrus Author/
Papyrus Author.app/Contents/Frameworks/QtCore.framework/Versions/5/QtCore
 0x10321a000 - 0x10355eff7 +org.qt-project.QtQuick (5.15 - 5.15.2)
<CBC34D86-E7F2-33FE-B6D4-99FC04FB34C8> /Applications/Papyrus Author/
Papyrus Author.app/Contents/Frameworks/QtQuick.framework/Versions/5/QtQuick
 0x1036a0000 - 0x1036f8ff3 +org.qt-project.QtQmlModels (5.15 - 5.15.2)
<39443DF4-A7D2-39B2-ACC7-43D4C537B9FD> /Applications/Papyrus Author/
Papyrus Author.app/Contents/Frameworks/QtQmlModels.framework/Versions/5/
QtQmlModels
 0x10371d000 - 0x103736ff3 +org.qt-project.QtWebChannel (5.15 - 5.15.2)
<8E71B48F-2EB0-358A-A58B-D77F763CFC0B> /Applications/Papyrus Author/
Papyrus Author.app/Contents/Frameworks/QtWebChannel.framework/Versions/5/
QtWebChannel
 0x103749000 - 0x103aa1ffb +org.qt-project.QtQml (5.15 - 5.15.2)
<8D7B72BF-F1F8-35C9-88AC-C4B1BCAC7127> /Applications/Papyrus Author/
Papyrus Author.app/Contents/Frameworks/QtQml.framework/Versions/5/QtQml
 0x103b5a000 - 0x103c6aff +org.qt-project.QtNetwork (5.15 - 5.15.2)
<C09A61C8-678F-339B-AD2E-B2A4A9B16BAB> /Applications/Papyrus Author/
Papyrus Author.app/Contents/Frameworks/QtNetwork.framework/Versions/5/
QtNetwork
 0x103cbd000 - 0x103d23fff +org.qt-project.QtPositioning (5.15 - 5.15.2)
<E0B482DC-CB27-371B-B834-00BA2B98DFAE> /Applications/Papyrus Author/
Papyrus Author.app/Contents/Frameworks/QtPositioning.framework/Versions/5/
QtPositioning
 0x103d45000 - 0x103d70fff +org.qt-project.QtPrintSupport (5.15 - 5.15.2)
<C69EFB81-D24B-3B4F-B36B-D6BC79A2ADAA> /Applications/Papyrus Author/
Papyrus Author.app/Contents/Frameworks/QtPrintSupport.framework/Versions/5/
QtPrintSupport
 0x103d9d000 - 0x103dd1ff7 +org.qt-project.QtSvg (5.15 - 5.15.2)
<11F2F083-B281-39FC-9B0A-081F047A6C85> /Applications/Papyrus Author/
Papyrus Author.app/Contents/Frameworks/QtSvg.framework/Versions/5/QtSvg
 0x103df6000 - 0x103dfaaff +org.qt-project.QtConcurrent (5.15 - 5.15.2)
<A34AC906-5474-33BB-AEC2-138E4EDDE70E> /Applications/Papyrus Author/
Papyrus Author.app/Contents/Frameworks/QtConcurrent.framework/Versions/5/
QtConcurrent
 0x107443000 - 0x1074d5267 dyld (750.7) <9F48F7F8-94D0-3793-99B7-

DDEF657EF956> /usr/lib/dyld
0x107549000 - 0x10f237f4f +org.qt-project.Qt.QtWebEngineCore (5.15 -
5.15.2) <86651DAF-3BFF-3A6F-B313-E84D303E55EB> /Applications/Papyrus
Author/Papyrus Author.app/Contents/Frameworks/QtWebEngineCore.framework/
Versions/5/QtWebEngineCore
0x7fff2c7ae000 - 0x7fff2c7b2ffb com.apple.agl (3.3.3 - AGL-3.3.3)
<D5670F33-361F-3971-9382-290BB12EA788> /System/Library/Frameworks/
AGL.framework/Versions/A/AGL
0x7fff2c7b3000 - 0x7fff2c9aef8 com.apple.avfoundation (2.0 - 1855.3)
<0837D912-3783-35D6-A94A-E474E18600CF> /System/Library/Frameworks/
AVFoundation.framework/Versions/A/AVFoundation
0x7fff2c9af000 - 0x7fff2ca7bffe com.apple.audio.AVFAudio (1.0 - 415.75)
<CAC3CA5F-FCF6-37EB-8F1A-090340E2C38E> /System/Library/Frameworks/
AVFoundation.framework/Versions/A/Frameworks/AVFAudio.framework/Versions/A/
AVFAudio
0x7fff2cb9b000 - 0x7fff2cb9bfff com.apple.Accelerate (1.11 - Accelerate 1.11)
<C1FB2338-2D52-3884-BED3-071A82B1FD77> /System/Library/Frameworks/
Accelerate.framework/Versions/A/Accelerate
0x7fff2cbb4000 - 0x7fff2d44ffcf com.apple.vImage (8.1 - 524.2.1)
<4B6AB2C1-7CF5-3FDA-AC1C-04E531AB9BCE> /System/Library/Frameworks/
Accelerate.framework/Versions/A/Frameworks/vImage.framework/Versions/A/
vImage
0x7fff2d450000 - 0x7fff2d5e5fef libBLAS.dylib (1303.60.1)
<C157903D-417A-322B-916E-DDCFE2AF97EE> /System/Library/Frameworks/
Accelerate.framework/Versions/A/Frameworks/vecLib.framework/Versions/A/
libBLAS.dylib
0x7fff2d5e6000 - 0x7fff2d927fff libBNNS.dylib (144.100.2) <69FA0C4F-
B59D-374A-9DCF-E9FA79F332FD> /System/Library/Frameworks/
Accelerate.framework/Versions/A/Frameworks/vecLib.framework/Versions/A/
libBNNS.dylib
0x7fff2d928000 - 0x7fff2dccffff libLAPACK.dylib (1303.60.1)
<6FEC8434-0C35-3528-A3DE-E3C78A748B6C> /System/Library/Frameworks/
Accelerate.framework/Versions/A/Frameworks/vecLib.framework/Versions/A/
libLAPACK.dylib
0x7fff2dcfd0000 - 0x7fff2dce5ffc libLinearAlgebra.dylib (1303.60.1)
<AAC1A8DA-0B44-3D52-A03F-1DFED19D33BB> /System/Library/Frameworks/
Accelerate.framework/Versions/A/Frameworks/vecLib.framework/Versions/A/
libLinearAlgebra.dylib
0x7fff2dce6000 - 0x7fff2dcebfff3 libQuadrature.dylib (7) <371F36A7-
B12F-363E-8955-F24F7C2048F6> /System/Library/Frameworks/
Accelerate.framework/Versions/A/Frameworks/vecLib.framework/Versions/A/
libQuadrature.dylib
0x7fff2dcec000 - 0x7fff2dd5cff libSparse.dylib (103) <B8A10D0C-4577-343D-
B310-A3E81265D107> /System/Library/Frameworks/Accelerate.framework/
Versions/A/Frameworks/vecLib.framework/Versions/A/libSparse.dylib
0x7fff2dd5d000 - 0x7fff2dd6fff7 libSparseBLAS.dylib (1303.60.1)
<CFFEAA75-99FB-369E-80A1-4BC73ADEBEA9> /System/Library/Frameworks/
Accelerate.framework/Versions/A/Frameworks/vecLib.framework/Versions/A/
libSparseBLAS.dylib
0x7fff2dd70000 - 0x7fff2df02fe3 libvDSP.dylib (735.140.1)

<1586D162-55FD-3EC0-AFC7-975EAE2D0DD6> /System/Library/Frameworks/Accelerate.framework/Versions/A/Frameworks/vecLib.framework/Versions/A/libvDSP.dylib
0x7fff2df03000 - 0x7fff2e081fe7 libvMisc.dylib (735.140.1)
<61CF1106-41C2-3971-9187-BD1D53C00343> /System/Library/Frameworks/Accelerate.framework/Versions/A/Frameworks/vecLib.framework/Versions/A/libvMisc.dylib
0x7fff2e082000 - 0x7fff2e082fff com.apple.Accelerate.vecLib (3.11 - vecLib 3.11) <4686AE53-FD05-302C-AC20-C014EFC2305F> /System/Library/Frameworks/Accelerate.framework/Versions/A/Frameworks/vecLib.framework/Versions/A/vecLib
0x7fff2e083000 - 0x7fff2e0e2ff0 com.apple.Accounts (113 - 113)
<E2438070-30AB-3B89-AE63-1E485B92D108> /System/Library/Frameworks/Accounts.framework/Versions/A/Accounts
0x7fff2e22c000 - 0x7fff2efeaffb com.apple.AppKit (6.9 - 1894.70.110)
<058D0F31-D353-36D9-83CD-1709EBB1390E> /System/Library/Frameworks/AppKit.framework/Versions/C/AppKit
0x7fff2f03a000 - 0x7fff2f03afff com.apple.ApplicationServices (48 - 50)
<A74C5919-EA2A-30FB-917E-09AAB26E96B0> /System/Library/Frameworks/ApplicationServices.framework/Versions/A/ApplicationServices
0x7fff2f03b000 - 0x7fff2f0a6fff com.apple.ApplicationServices.ATS (377 - 493.0.4.1) <87EA5DE1-506A-39FD-88BE-D8A3416C9012> /System/Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/ATS.framework/Versions/A/ATS
0x7fff2f13f000 - 0x7fff2f17dff0 libFontRegistry.dylib (274.0.5.1)
<F3461C05-0370-359B-9F03-5C1C1F7763EC> /System/Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/ATS.framework/Versions/A/Resources/libFontRegistry.dylib
0x7fff2f1d8000 - 0x7fff2f207fff com.apple.ATSUI (1.0 - 1) <5F513967-DDD7-3F22-AD14-8A38ABD9F2D0> /System/Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/ATSUI.framework/Versions/A/ATSUI
0x7fff2f208000 - 0x7fff2f20cffb com.apple.ColorSyncLegacy (4.13.0 - 1)
<4E0574BC-921B-33D4-916B-2DD60D141BF6> /System/Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/ColorSyncLegacy.framework/Versions/A/ColorSyncLegacy
0x7fff2f2a6000 - 0x7fff2f2fdffa com.apple.HIServices (1.22 - 676) <14DF4D42-E24D-3EBD-9A9D-93124D8D6AA1> /System/Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/HIServices.framework/Versions/A/HIServices
0x7fff2f2fe000 - 0x7fff2f30cff com.apple.LangAnalysis (1.7.0 - 1.7.0)
<01B8B6B3-E2C3-3607-B34A-8283A7E0E924> /System/Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/LangAnalysis.framework/Versions/A/LangAnalysis
0x7fff2f30d000 - 0x7fff2f352ffa com.apple.print.framework.PrintCore (15.4 - 516.2) <437BCF12-48D2-3770-8BC9-567718FB1BCA> /System/Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/PrintCore.framework/Versions/A/PrintCore
0x7fff2f353000 - 0x7fff2f35dff7 com.apple.QD (4.0 - 413) <27A36D07-B5E9-32E6-87B6-3127F260F48D> /System/Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/QD.framework/Versions/A/

QD

0x7fff2f35e000 - 0x7fff2f36bffc com.apple.speech.synthesis.framework (9.0.24 - 9.0.24) <75344F8F-32CA-3558-B4E6-F56D498250E4> /System/Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/SpeechSynthesis.framework/Versions/A/SpeechSynthesis
0x7fff2f36c000 - 0x7fff2f44dff2 com.apple.audio.toolbox.AudioToolbox (1.14 - 1.14) <43014BB0-6604-3513-AB52-8D8577204FA6> /System/Library/Frameworks/AudioToolbox.framework/Versions/A/AudioToolbox
0x7fff2f44f000 - 0x7fff2f44ffff com.apple.audio.units.AudioUnit (1.14 - 1.14) <2FAE7F8D-2358-3B10-B47E-27B90B368557> /System/Library/Frameworks/AudioUnit.framework/Versions/A/AudioUnit
0x7fff2f7e6000 - 0x7fff2fb74ffa com.apple.CFNetwork (1128.1 - 1128.1) <04F37E21-8AC6-35BF-8D2C-8ED954B09026> /System/Library/Frameworks/CFNetwork.framework/Versions/A/CFNetwork
0x7fff2fbf0000 - 0x7fff2fbf0fff com.apple.Carbon (160 - 162) <0C07A0EC-9474-3A5E-82A0-FD98B7C83BD8> /System/Library/Frameworks/Carbon.framework/Versions/A/Carbon
0x7fff2fbf1000 - 0x7fff2fbf4ff3 com.apple.CommonPanels (1.2.6 - 101) <9F6E13D9-374B-386F-8E15-FDD6CE967859> /System/Library/Frameworks/Carbon.framework/Versions/A/Frameworks/CommonPanels.framework/Versions/A/CommonPanels
0x7fff2fbf5000 - 0x7fff2fee9ff3 com.apple.HIToolbox (2.1.1 - 994.7) <1869947E-482B-30F2-A8A9-B8F78CA69F6B> /System/Library/Frameworks/Carbon.framework/Versions/A/Frameworks/HIToolbox.framework/Versions/A/HIToolbox
0x7fff2feea000 - 0x7fff2feedff3 com.apple.help (1.3.8 - 71) <36483951-6F3E-3F7E-8A5B-191C2357EF17> /System/Library/Frameworks/Carbon.framework/Versions/A/Frameworks/Help.framework/Versions/A/Help
0x7fff2feee000 - 0x7fff2fef3ff7 com.apple.ImageCapture (9.0 - 1600.65.1) <19E8B178-4C4D-3779-8815-E905310F20EF> /System/Library/Frameworks/Carbon.framework/Versions/A/Frameworks/ImageCapture.framework/Versions/A/ImageCapture
0x7fff2fef4000 - 0x7fff2fef4ff com.apple.ink.framework (10.15 - 227) <284507AE-EF47-3ABC-86A4-669243DB1D33> /System/Library/Frameworks/Carbon.framework/Versions/A/Frameworks/Ink.framework/Versions/A/Ink
0x7fff2fef5000 - 0x7fff2ff0ffff com.apple.openscripting (1.7 - 185.2) <C0F2228C-9B4D-3976-AE4F-56608176A9C7> /System/Library/Frameworks/Carbon.framework/Versions/A/Frameworks/OpenScripting.framework/Versions/A/OpenScripting
0x7fff2ff30000 - 0x7fff2ff30fff com.apple.print.framework.Print (15 - 271) <0D9FB08F-EA87-3BE7-821B-C61BA5601050> /System/Library/Frameworks/Carbon.framework/Versions/A/Frameworks/Print.framework/Versions/A/Print
0x7fff2ff31000 - 0x7fff2ff33ff7 com.apple.securityhi (9.0 - 55008) <390C6FAA-99BF-3924-9180-9EAE41D9C6BE> /System/Library/Frameworks/Carbon.framework/Versions/A/Frameworks/SecurityHI.framework/Versions/A/SecurityHI
0x7fff2ff34000 - 0x7fff2ff3afff com.apple.speech.recognition.framework (6.0.3 - 6.0.3) <9614A01E-8303-3422-A3BA-6CE27540E09A> /System/Library/Frameworks/Carbon.framework/Versions/A/Frameworks/SpeechRecognition.framework/Versions/A/SpeechRecognition

0x7fff2ff3b000 - 0x7fff300d3ffa com.apple.cloudkit.CloudKit (867 - 867)
<1B851180-FC00-357F-B6C1-BB0EA7D6D5CA> /System/Library/Frameworks/
CloudKit.framework/Versions/A/CloudKit
0x7fff300d4000 - 0x7fff300d4fff com.apple.Cocoa (6.11 - 23)
<9C7AC07A-7C05-37D4-910C-E9CDB239AFA8> /System/Library/Frameworks/
Cocoa.framework/Versions/A/Cocoa
0x7fff300e2000 - 0x7fff301d8fff com.apple.ColorSync (4.13.0 - 3394.15)
<97F94272-0DB2-307F-A2B6-4FEC74DB37A6> /System/Library/Frameworks/
ColorSync.framework/Versions/A/ColorSync
0x7fff304c3000 - 0x7fff309ccffb com.apple.audio.CoreAudio (5.0 - 5.0)
<47923B12-3D14-328A-9C86-27A3A2A73068> /System/Library/Frameworks/
CoreAudio.framework/Versions/A/CoreAudio
0x7fff30a1f000 - 0x7fff30a57fff com.apple.CoreBluetooth (1.0 - 1) <23DBB313-
A082-3C08-8E1F-2D31EE4247EF> /System/Library/Frameworks/
CoreBluetooth.framework/Versions/A/CoreBluetooth
0x7fff30a58000 - 0x7fff30e53ff8 com.apple.CoreData (120 - 977.3)
<CEAA4BC1-62AB-3702-B790-82A55EA10302> /System/Library/Frameworks/
CoreData.framework/Versions/A/CoreData
0x7fff30e54000 - 0x7fff30f86ff6 com.apple.CoreDisplay (1.0 - 186.6.15)
<213D7011-8180-3CF4-9BE7-FB8F75DCDB95> /System/Library/Frameworks/
CoreDisplay.framework/Versions/A/CoreDisplay
0x7fff30f87000 - 0x7fff31407ff9 com.apple.CoreFoundation (6.9 - 1678.104)
<CA9600EB-C7BE-38C4-968D-4BF90B1C9550> /System/Library/Frameworks/
CoreFoundation.framework/Versions/A/CoreFoundation
0x7fff31409000 - 0x7fff31aa1ff0 com.apple.CoreGraphics (2.0 - 1355.24)
<9B167C47-1FDB-3D44-93D0-64CC7B30AB2A> /System/Library/Frameworks/
CoreGraphics.framework/Versions/A/CoreGraphics
0x7fff31aaef000 - 0x7fff31e0aff0 com.apple.CoreImage (15.0.0 - 940.9)
<69361069-01AB-342E-862B-73A74271A765> /System/Library/Frameworks/
CoreImage.framework/Versions/A/CoreImage
0x7fff31e0b000 - 0x7fff31e74ff0 com.apple.corelocation (2394.0.22 -
2394.0.22) <75966124-2FB7-33C3-BE49-3DD5F327F911> /System/Library/
Frameworks/CoreLocation.framework/Versions/A/CoreLocation
0x7fff31e75000 - 0x7fff31ec6ffe com.apple.audio.midi.CoreMIDI (1.10 - 88)
<9DC07E77-DA2B-3B25-939A-2BB8510CB957> /System/Library/Frameworks/
CoreMIDI.framework/Versions/A/CoreMIDI
0x7fff31ec9000 - 0x7fff321cbff2 com.apple.CoreML (1.0 - 1)
<838D7D0A-47C9-3EBE-9540-FD42746B6014> /System/Library/Frameworks/
CoreML.framework/Versions/A/CoreML
0x7fff321cc000 - 0x7fff322a7fc com.apple.CoreMedia (1.0 - 2625.9.4.1)
<516C5604-EDE4-3F50-BCE7-234BB99610E0> /System/Library/Frameworks/
CoreMedia.framework/Versions/A/CoreMedia
0x7fff322a8000 - 0x7fff3230affe com.apple.CoreMediaIO (1000.0 - 5125.6)
<164B4E4F-CFFD-3DB9-9873-97A9640C2213> /System/Library/Frameworks/
CoreMediaIO.framework/Versions/A/CoreMediaIO
0x7fff32394000 - 0x7fff32394fff com.apple.CoreServices (1069.28 - 1069.28)
<45131B9C-99AA-340E-947F-E53F2C829F20> /System/Library/Frameworks/
CoreServices.framework/Versions/A/CoreServices
0x7fff32395000 - 0x7fff3241afff com.apple.AE (838.1 - 838.1)
<450501B5-0161-38D0-8986-90718DC3CAE5> /System/Library/Frameworks/

CoreServices.framework/Versions/A/Frameworks/AE.framework/Versions/A/AE
0x7fff3241b000 - 0x7fff326fcff7 com.apple.CoreServices.CarbonCore (1217 - 1217) <BE379206-99FA-30CD-8391-2708473A633F> /System/Library/Frameworks/CoreServices.framework/Versions/A/Frameworks/CarbonCore.framework/Versions/A/CarbonCore
0x7fff326fd000 - 0x7fff3274affd com.apple.DictionaryServices (1.2 - 323.6) <26B70C82-25BC-353A-858F-945B14C803A2> /System/Library/Frameworks/CoreServices.framework/Versions/A/Frameworks/DictionaryServices.framework/Versions/A/DictionaryServices
0x7fff3274b000 - 0x7fff32753ff7 com.apple.CoreServices.FSEvents (1268.100.2 - 1268.100.2) <D9B9A080-C59D-3A0D-BC7B-A67137C317C4> /System/Library/Frameworks/CoreServices.framework/Versions/A/Frameworks/FSEvents.framework/Versions/A/FSEvents
0x7fff32754000 - 0x7fff3298fff8 com.apple.LaunchServices (1069.28 - 1069.28) <07C85310-A894-344D-8181-CC1E68CA0C82> /System/Library/Frameworks/CoreServices.framework/Versions/A/Frameworks/LaunchServices.framework/Versions/A/LaunchServices
0x7fff32990000 - 0x7fff32a28ff1 com.apple.Metadata (10.7.0 - 2076.7.2) <BB387ED8-F398-3016-B5FC-49202BDD182C> /System/Library/Frameworks/CoreServices.framework/Versions/A/Frameworks/Metadata.framework/Versions/A/Metadata
0x7fff32a29000 - 0x7fff32a56fff com.apple.CoreServices.OSServices (1069.28 - 1069.28) <704B2084-2AF5-342E-A554-C0DE93229A3F> /System/Library/Frameworks/CoreServices.framework/Versions/A/Frameworks/OSServices.framework/Versions/A/OSServices
0x7fff32a57000 - 0x7fff32abefff com.apple.SearchKit (1.4.1 - 1.4.1) <2C5E1D85-E8B1-3DC5-91B9-E3EDB48E9369> /System/Library/Frameworks/CoreServices.framework/Versions/A/Frameworks/SearchKit.framework/Versions/A/SearchKit
0x7fff32abf000 - 0x7fff32ae3ff5 com.apple.coreservices.SharedFileList (131.4 - 131.4) <02DE0D56-E371-3EF5-9BC1-FA435451B412> /System/Library/Frameworks/CoreServices.framework/Versions/A/Frameworks/SharedFileList.framework/Versions/A/SharedFileList
0x7fff32d40000 - 0x7fff32e07ff8 com.apple.CoreTelephony (113 - 7560.2) <773BC9FE-2F70-33A7-9362-E2D208A0216B> /System/Library/Frameworks/CoreTelephony.framework/Versions/A/CoreTelephony
0x7fff32e08000 - 0x7fff32fc0ffc com.apple.CoreText (643.1.5.8 - 643.1.5.8) <C6CBD65A-B081-3F0F-A5EE-2AEA10498FA4> /System/Library/Frameworks/CoreText.framework/Versions/A/CoreText
0x7fff32fc1000 - 0x7fff33005fff com.apple.CoreVideo (1.8 - 0.0) <D35529AE-8740-320B-BB12-D1E60FDAB06B> /System/Library/Frameworks/CoreVideo.framework/Versions/A/CoreVideo
0x7fff33006000 - 0x7fff33093ffc com.apple.framework.CoreWLAN (13.0 - 1601.2) <CCF3BB09-A571-3589-917B-D646A4BDD7CC> /System/Library/Frameworks/CoreWLAN.framework/Versions/A/CoreWLAN
0x7fff3325b000 - 0x7fff33305ff0 com.apple.DiscRecording (9.0.3 - 9030.4.5) <726E7C26-239D-3343-9E3A-2C171CF79E8B> /System/Library/Frameworks/DiscRecording.framework/Versions/A/DiscRecording
0x7fff3332a000 - 0x7fff33330fff com.apple.DiskArbitration (2.7 - 2.7) <C5272B1C-C2D1-3A64-8116-3AC6FAB9E18B> /System/Library/Frameworks/DiskArbitration.framework/Versions/A/DiskArbitration

DiskArbitration.framework/Versions/A/DiskArbitration
0x7fff33525000 - 0x7fff33654ff6 com.apple.FileProvider (304.141.2 - 304.141.2) <D0854CAD-19E0-39CB-A5A4-A3C4F2ED369A> /System/Library/Frameworks/FileProvider.framework/Versions/A/FileProvider
0x7fff33669000 - 0x7fff3366bff3 com.apple.ForceFeedback (1.0.6 - 1.0.6) <9B324178-4FAA-3686-9E01-634607F38493> /System/Library/Frameworks/ForceFeedback.framework/Versions/A/ForceFeedback
0x7fff3366c000 - 0x7fff33a31ff7 com.apple.Foundation (6.9 - 1678.104) <69B915AD-CE6F-3958-8E3A-9D6050989AC2> /System/Library/Frameworks/Foundation.framework/Versions/C/Foundation
0x7fff33a9e000 - 0x7fff33aefff com.apple.GSS (4.0 - 2.0) <993DB520-C98D-35BB-844D-562EC1A24514> /System/Library/Frameworks/GSS.framework/Versions/A/GSS
0x7fff33aef000 - 0x7fff33b17ff4 com.apple.GameController (1.0 - 1) <2B7F0994-4B32-3B08-B58A-3FA5A5E65AF4> /System/Library/Frameworks/GameController.framework/Versions/A/GameController
0x7fff33c2b000 - 0x7fff33d3fff3 com.apple.Bluetooth (7.0.6 - 7.0.6f8) <E7634AA3-92E9-3E8A-80BA-0716B3E05C78> /System/Library/Frameworks/IOBluetooth.framework/Versions/A/IOBluetooth
0x7fff33da5000 - 0x7fff33e49ff3 com.apple.framework.IOKit (2.0.2 - 1726.148.1) <0A9D244C-AECC-3D29-86DE-4F3B04F8DD25> /System/Library/Frameworks/IOKit.framework/Versions/A/IOKit
0x7fff33e4b000 - 0x7fff33e5cffb com.apple.IOSurface (269.11 - 269.11) <BCD744D4-E17E-3C2E-B69C-F69C789892E9> /System/Library/Frameworks/IOSurface.framework/Versions/A/IOSurface
0x7fff33e7a000 - 0x7fff33edaff5 com.apple.ImageCaptureCore (1.0 - 1600.65.1) <4E36E431-4483-3B57-B27D-288E028F8EF9> /System/Library/Frameworks/ImageCaptureCore.framework/Versions/A/ImageCaptureCore
0x7fff33edb000 - 0x7fff3403bff6 com.apple.ImageIO.framework (3.3.0 - 1976.14.1) <8C43C897-A78F-339F-8B7C-1DC3F861349D> /System/Library/Frameworks/ImageIO.framework/Versions/A/ImageIO
0x7fff3403c000 - 0x7fff3403ffff libGIF.dylib (1976.14.1) <6DAA6146-4508-3883-AF1A-7CF4B06B1D7D> /System/Library/Frameworks/ImageIO.framework/Versions/A/Resources/libGIF.dylib
0x7fff34040000 - 0x7fff340f9ff7 libJP2.dylib (1976.14.1) <A324445F-79FF-38CE-8DBD-BD8749D045D8> /System/Library/Frameworks/ImageIO.framework/Versions/A/Resources/libJP2.dylib
0x7fff340fa000 - 0x7fff3411eff7 libJPEG.dylib (1976.14.1) <A5037397-1DF9-3E34-AB1E-41ABF2AC7F55> /System/Library/Frameworks/ImageIO.framework/Versions/A/Resources/libJPEG.dylib
0x7fff3439c000 - 0x7fff343b6ff7 libPng.dylib (1976.14.1) <B569035E-0E07-39D7-91AC-145618184EC9> /System/Library/Frameworks/ImageIO.framework/Versions/A/Resources/libPng.dylib
0x7fff343b7000 - 0x7fff343b8fff libRadiance.dylib (1976.14.1) <91EA6BBB-0797-3688-9C78-5F38FD04FE06> /System/Library/Frameworks/ImageIO.framework/Versions/A/Resources/libRadiance.dylib
0x7fff343b9000 - 0x7fff343ffff7 libTIFF.dylib (1976.14.1) <56CE66AC-2701-35CE-9891-3244F3B07FBA> /System/Library/Frameworks/ImageIO.framework/Versions/A/Resources/libTIFF.dylib
0x7fff34418000 - 0x7fff348a7ff8 com.apple.Intents (1.0 - 1)

<B2884C7F-0D08-3E3C-91A3-7FB755BB5CB1> /System/Library/Frameworks/
Intents.framework/Versions/A/Intents
 0x7fff348aa000 - 0x7fff3594afe1 com.apple.JavaScriptCore (15609 -
15609.4.1.1.1) <5CAFF570-DC41-32A9-9CFB-28210A9B8367> /System/Library/
Frameworks/JavaScriptCore.framework/Versions/A/JavaScriptCore
 0x7fff35961000 - 0x7fff35973ff3 com.apple.Kerberos (3.0 - 1)
<03BB492B-016E-37BF-B020-39C2CF7487FE> /System/Library/Frameworks/
Kerberos.framework/Versions/A/Kerberos
 0x7fff35974000 - 0x7fff35974fff libHeimdalProxy.dylib (77)
<0A2905EE-9533-3345-AF9B-AAC71513BDFD> /System/Library/Frameworks/
Kerberos.framework/Versions/A/Libraries/libHeimdalProxy.dylib
 0x7fff35abf000 - 0x7fff35ae1ffc com.apple.CoreAuthentication.SharedUtils (1.0
- 693.140.3) <A3F9CE45-4F7A-3F5D-865C-6EB9B6C3B3B4> /System/Library/
Frameworks/LocalAuthentication.framework/Support/SharedUtils.framework/
Versions/A/SharedUtils
 0x7fff35ae2000 - 0x7fff35af8ff2 com.apple.LocalAuthentication (1.0 -
693.140.3) <5D391FD1-391B-390A-BBC1-62A537C8DAFE> /System/Library/
Frameworks/LocalAuthentication.framework/Versions/A/LocalAuthentication
 0x7fff35d06000 - 0x7fff35d10ffb com.apple.MediaAccessibility (1.0 - 125.1)
<98065EA1-3484-3A5A-B05C-D2FABED8CEA4> /System/Library/Frameworks/
MediaAccessibility.framework/Versions/A/MediaAccessibility
 0x7fff35d24000 - 0x7fff35ddbff7 com.appleMediaPlayer (1.0 - 1.0)
<FE739C02-1000-36C8-9FAD-26FF3D8240CB> /System/Library/Frameworks/
MediaPlayer.framework/Versions/A/MediaPlayer
 0x7fff35ddc000 - 0x7fff36529ff2 com.apple.MediaToolbox (1.0 - 2625.9.4.1)
<6AB09C34-154A-3CB0-8A64-6AA25335751A> /System/Library/Frameworks/
MediaToolbox.framework/Versions/A/MediaToolbox
 0x7fff3652b000 - 0x7fff365f5fff com.apple.Metal (212.8 - 212.8)
<98C944D6-62C8-355E-90F8-C1CA2429EF24> /System/Library/Frameworks/
Metal.framework/Versions/A/Metal
 0x7fff365f7000 - 0x7fff36611ff5 com.apple.MetalKit (141.2 - 141.2)
<FAACD940-5CF2-300A-83F3-86ABA7FDC531> /System/Library/Frameworks/
MetalKit.framework/Versions/A/MetalKit
 0x7fff36612000 - 0x7fff3664fff7
com.apple.MetalPerformanceShaders.MPSCore (1.0 - 1) <7EBAC15D-7837-395D-
B405-1E29F7DA68FA> /System/Library/Frameworks/
MetalPerformanceShaders.framework/Frameworks/MPSCore.framework/Versions/A/
MPSCore
 0x7fff36650000 - 0x7fff366dafe2
com.apple.MetalPerformanceShaders.MPSImage (1.0 - 1) <B424FE0C-6E90-3BFA-
A6E7-DD86C735AE90> /System/Library/Frameworks/
MetalPerformanceShaders.framework/Frameworks/MPSImage.framework/Versions/A/
MPSImage
 0x7fff366db000 - 0x7fff36700ff4
com.apple.MetalPerformanceShaders.MPSMatrix (1.0 - 1) <02006D92-E2AB-3892-
A96B-37F6520C19BA> /System/Library/Frameworks/
MetalPerformanceShaders.framework/Frameworks/MPSMatrix.framework/Versions/A/
MPSMatrix
 0x7fff36701000 - 0x7fff36716ffb
com.apple.MetalPerformanceShaders.MPSNDArray (1.0 - 1) <CAA5A368-

DB71-34F6-AEF9-27A8BC298F53> /System/Library/Frameworks/
MetalPerformanceShaders.framework/Frameworks/MPSNDArray.framework/
Versions/A/MPSNDArray
 0x7fff36717000 - 0x7fff36875ffc
com.apple.MetalPerformanceShaders.MPSNeuralNetwork (1.0 - 1)
<05612E06-50CB-318F-9F8E-EF4D49FAB3B0> /System/Library/Frameworks/
MetalPerformanceShaders.framework/Frameworks/MPSNeuralNetwork.framework/
Versions/A/MPSNeuralNetwork
 0x7fff36876000 - 0x7fff368c5ff4
com.apple.MetalPerformanceShaders.MPSRayIntersector (1.0 - 1)
<B0B591F8-6875-351E-867F-8EB3CD38CD52> /System/Library/Frameworks/
MetalPerformanceShaders.framework/Frameworks/MPSRayIntersector.framework/
Versions/A/MPSRayIntersector
 0x7fff368c6000 - 0x7fff368c7ff5
com.apple.MetalPerformanceShaders.MetalPerformanceShaders (1.0 - 1)
<F2921F9A-3041-3495-878D-64134267B847> /System/Library/Frameworks/
MetalPerformanceShaders.framework/Versions/A/MetalPerformanceShaders
 0x7fff37786000 - 0x7fff37792ffe com.apple.NetFS (6.0 - 4.0)
<57CABC68-0585-3989-9161-157DBB544B82> /System/Library/Frameworks/
NetFS.framework/Versions/A/NetFS
 0x7fff37793000 - 0x7fff378eaff3 com.apple.Network (1.0 - 1) <7F64A643-
A7D5-3089-AF96-78AAF943C1D3> /System/Library/Frameworks/
Network.framework/Versions/A/Network
 0x7fff378eb000 - 0x7fff37b4bffa com.apple.NetworkExtension (1.0 - 1)
<D1E26D99-8D1D-3A19-A4E9-B5B1DEC4BD17> /System/Library/Frameworks/
NetworkExtension.framework/Versions/A/NetworkExtension
 0x7fff3a31c000 - 0x7fff3a374fff com.apple.opencl (3.5 - 3.5)
<405873C3-6C6E-307B-9813-8741E1CABD95> /System/Library/Frameworks/
OpenCL.framework/Versions/A/OpenCL
 0x7fff3a375000 - 0x7fff3a391fff com.apple.CFOpenDirectory (10.15 - 220.40.1)
<7E6C88EB-3DD9-32B0-81FC-179552834FA9> /System/Library/Frameworks/
OpenDirectory.framework/Versions/A/Frameworks/CFOpenDirectory.framework/
Versions/A/CFOpenDirectory
 0x7fff3a392000 - 0x7fff3a39dffd com.apple.OpenDirectory (10.15 - 220.40.1)
<4A92D8D8-A9E5-3A9C-942F-28576F6BCDF5> /System/Library/Frameworks/
OpenDirectory.framework/Versions/A/OpenDirectory
 0x7fff3ad03000 - 0x7fff3ad05fff libCVMSPluginSupport.dylib (17.10.22)
<4DFF84FA-1F0C-3283-8F56-512344B725CE> /System/Library/Frameworks/
OpenGL.framework/Versions/A/Libraries/libCVMSPluginSupport.dylib
 0x7fff3ad06000 - 0x7fff3ad0bfff libCoreFSCache.dylib (176.21)
<627E34BF-5E91-3D07-945B-1B9F3432BFB3> /System/Library/Frameworks/
OpenGL.framework/Versions/A/Libraries/libCoreFSCache.dylib
 0x7fff3ad0c000 - 0x7fff3ad10fff libCoreVMClient.dylib (176.21)
<8A019B96-5D30-3140-B3D3-B6225E484BFD> /System/Library/Frameworks/
OpenGL.framework/Versions/A/Libraries/libCoreVMClient.dylib
 0x7fff3ad11000 - 0x7fff3ad19ff7 libGFXShared.dylib (17.10.22)
<7D2BF684-33B2-32F5-A070-EA0AC692D10D> /System/Library/Frameworks/
OpenGL.framework/Versions/A/Libraries/libGFXShared.dylib
 0x7fff3ad1a000 - 0x7fff3ad24fff libGL.dylib (17.10.22) <D782B7B9-
CD02-35CC-833D-00A76DC28D2D> /System/Library/Frameworks/

OpenGL.framework/Versions/A/Libraries/libGL.dylib
0x7fff3ad25000 - 0x7fff3ad59ff7 libGLImage.dylib (17.10.22)
<F9E0AB2E-3123-361B-BB43-30111B03395B> /System/Library/Frameworks/
OpenGL.framework/Versions/A/Libraries/libGLImage.dylib
0x7fff3aeeef000 - 0x7fff3af2bfff libGLU.dylib (17.10.22)
<E5027491-0309-3E86-8435-1A1D0DA6C86F> /System/Library/Frameworks/
OpenGL.framework/Versions/A/Libraries/libGLU.dylib
0x7fff3b967000 - 0x7fff3b976ff7 com.apple.opengl (17.10.22 - 17.10.22)
<BCC1E523-1843-3FF8-8F7D-29DA67756434> /System/Library/Frameworks/
OpenGL.framework/Versions/A/OpenGL
0x7fff3bb28000 - 0x7fff3bc1bff5 com.apple.PDFKit (1.0 - 845.4.1)
<A58B3E4C-6B27-32A7-AC6E-35BCB5A45944> /System/Library/Frameworks/
PDFKit.framework/Versions/A/PDFKit
0x7fff3bc1c000 - 0x7fff3bd33ff9 com.apple.PencilKit (1.0 - 1) <95301D00-
CE35-3F53-BAE1-6E6217706702> /System/Library/Frameworks/
PencilKit.framework/Versions/A/PencilKit
0x7fff3bfd4000 - 0x7fff3bfdaff6 com.apple.PushKit (1.0 - 1)
<AD547A25-1A0B-3FA6-8676-82C37F267A4A> /System/Library/Frameworks/
PushKit.framework/Versions/A/PushKit
0x7fff3c0fb000 - 0x7fff3c341ff7 com.apple.imageKit (3.0 - 1081)
<5F086EE2-5745-3E28-B292-1DE5E0652E36> /System/Library/Frameworks/
Quartz.framework/Versions/A/Frameworks/ImageKit.framework/Versions/A/ImageKit
0x7fff3c342000 - 0x7fff3c801fff com.apple.QuartzComposer (5.1 - 378)
<9C10ADF7-94B0-3779-AD44-5AF6394A32AF> /System/Library/Frameworks/
Quartz.framework/Versions/A/Frameworks/QuartzComposer.framework/Versions/A/
QuartzComposer
0x7fff3c802000 - 0x7fff3c827ffc com.apple.quartzfilters (1.10.0 - Tag)
<876E8B28-9500-34C6-B297-EA404D89C903> /System/Library/Frameworks/
Quartz.framework/Versions/A/Frameworks/QuartzFilters.framework/Versions/A/
QuartzFilters
0x7fff3c828000 - 0x7fff3c932ff0 com.apple.QuickLookUIFramework (5.0 -
906.1.1) <7F8D2705-0EE1-3AE9-BF1B-87F116FFA039> /System/Library/
Frameworks/Quartz.framework/Versions/A/Frameworks/QuickLookUI.framework/
Versions/A/QuickLookUI
0x7fff3c933000 - 0x7fff3c933fff com.apple.quartzframework (1.5 - 23)
<D9F11EA0-5887-3BEA-8CC7-7C23D1792F95> /System/Library/Frameworks/
Quartz.framework/Versions/A/Quartz
0x7fff3c934000 - 0x7fff3cbb7ffb com.apple.QuartzCore (1.11 - 841.6)
<DCD6050B-DB0E-3469-B18B-3DF3FAE77DEC> /System/Library/Frameworks/
QuartzCore.framework/Versions/A/QuartzCore
0x7fff3cbb8000 - 0x7fff3cc11ff5 com.apple.QuickLookFramework (5.0 -
906.1.1) <12ABE3AA-267D-382E-9C0A-E645A465A8E3> /System/Library/
Frameworks/QuickLook.framework/Versions/A/QuickLook
0x7fff3cc12000 - 0x7fff3cc47ffc com.apple.QuickLookThumbnailing (1.0 - 1)
<9CCB50D8-AA39-3744-93FB-7B5B65467AB3> /System/Library/Frameworks/
QuickLookThumbnailing.framework/Versions/A/QuickLookThumbnailing
0x7fff3d118000 - 0x7fff3d133ff6 com.apple.SafariServices.framework (15613 -
15613.3.9.1.16) <986B5C11-ED3F-3BEB-9B69-7C6DC179A879> /System/Library/
Frameworks/SafariServices.framework/Versions/A/SafariServices
0x7fff3d73b000 - 0x7fff3da86ff9 com.apple.security (7.0 - 59306.140.11)

<3B46FC31-708A-3526-B888-BB7C1A9FBD98> /System/Library/Frameworks/
Security.framework/Versions/A/Security
 0x7fff3da87000 - 0x7fff3db0ffb com.apple.securityfoundation (6.0 -
55236.60.1) <954B6238-07CB-3357-BC4F-AE827DD3F9E3> /System/Library/
Frameworks/SecurityFoundation.framework/Versions/A/SecurityFoundation
 0x7fff3db3e000 - 0x7fff3db42ff8 com.apple.xpc.ServiceManagement (1.0 - 1)
<055976F5-69DF-3846-B7CC-D72FA09D1A98> /System/Library/Frameworks/
ServiceManagement.framework/Versions/A/ServiceManagement
 0x7fff3e7ee000 - 0x7fff3e868ff7 com.apple.SystemConfiguration (1.19 - 1.19)
<D3494EFE-F392-379E-B21C-0F1B094ECE77> /System/Library/Frameworks/
SystemConfiguration.framework/Versions/A/SystemConfiguration
 0x7fff3eae8000 - 0x7fff3ee6bff4 com.apple.VideoToolbox (1.0 - 2625.9.4.1)
<65ABE2CC-8180-397A-B783-EC7449871985> /System/Library/Frameworks/
VideoToolbox.framework/Versions/A/VideoToolbox
 0x7fff427d8000 - 0x7fff4289dfe7 com.apple.APFS (1412.141.3 - 1412.141.3)
<E1179E8D-56DC-3F20-9C5E-B960D608F053> /System/Library/
PrivateFrameworks/APFS.framework/Versions/A/APFS
 0x7fff439b2000 - 0x7fff439b3ff1 com.apple.AggregateDictionary (1.0 - 1)
<95A291F5-B69F-3C37-9483-C3B2EBF52AC1> /System/Library/
PrivateFrameworks/AggregateDictionary.framework/Versions/A/AggregateDictionary
 0x7fff43e01000 - 0x7fff43f4cff5 com.apple.AnnotationKit (1.0 - 325.9)
<B48552CA-DDC1-35DC-8040-21E3C6F24A3C> /System/Library/
PrivateFrameworks/AnnotationKit.framework/Versions/A/AnnotationKit
 0x7fff43f4d000 - 0x7fff43f6aff4 com.apple.AppContainer (4.0 - 448.100.6)
<87CEE13C-8585-3EFB-92CD-0852DFF0921B> /System/Library/
PrivateFrameworks/AppContainer.framework/Versions/A/AppContainer
 0x7fff43fbf000 - 0x7fff43fcdff7 com.apple.AppSandbox (4.0 - 448.100.6)
<0F49AA04-3400-349A-9096-6D4D7ED61027> /System/Library/
PrivateFrameworks/AppSandbox.framework/Versions/A/AppSandbox
 0x7fff44449000 - 0x7fff4446dffb com.apple.framework.Apple80211 (13.0 -
1610.1) <33B50F2F-88CD-3B02-B72E-1E1B916A7FC9> /System/Library/
PrivateFrameworks/Apple80211.framework/Versions/A/Apple80211
 0x7fff4472b000 - 0x7fff4473afd7 com.apple.AppleFSCompression (119.100.1 -
1.0) <466ABD77-2E52-36D1-8E39-77AE2CC61611> /System/Library/
PrivateFrameworks/AppleFSCompression.framework/Versions/A/
AppleFSCompression
 0x7fff44839000 - 0x7fff44844ff7 com.apple.AppleIDAuthSupport (1.0 - 1)
<74F6CD9C-27A7-39C7-A7EB-47E60D2517EB> /System/Library/
PrivateFrameworks/AppleIDAuthSupport.framework/Versions/A/AppleIDAuthSupport
 0x7fff44886000 - 0x7fff448ceff7 com.apple.AppleJPEG (1.0 - 1) <6DE30A07-
C627-319B-A0DE-EB7A832BEB88> /System/Library/PrivateFrameworks/
AppleJPEG.framework/Versions/A/AppleJPEG
 0x7fff44c91000 - 0x7fff44cb7ffb com.apple.aps.framework (4.0 - 4.0)
<3ED300B6-43E3-31DC-B3C6-6A0FF41A2595> /System/Library/
PrivateFrameworks/ApplePushService.framework/Versions/A/ApplePushService
 0x7fff44cb8000 - 0x7fff44cbcff7 com.apple.AppleSRP (5.0 - 1) <70C25EA9-
F7A7-366C-97C6-EEE7845FFCC3> /System/Library/PrivateFrameworks/
AppleSRP.framework/Versions/A/AppleSRP
 0x7fff44cbd000 - 0x7fff44cdffff com.apple.applesauce (1.0 - 16.25)
<68E0364C-AEAT-3654-A030-136BF3CD92F3> /System/Library/

PrivateFrameworks/AppleSauce.framework/Versions/A/AppleSauce
0x7fff44d9f000 - 0x7fff44da2fff com.apple.AppleSystemInfo (3.1.5 - 3.1.5)
<67255151-F989-39F0-BC87-0C0BDAE70730> /System/Library/
PrivateFrameworks/AppleSystemInfo.framework/Versions/A/AppleSystemInfo
0x7fff44da3000 - 0x7fff44df3ff7 com.apple.AppleVAFramework (6.1.2 - 6.1.2)
<5BBCA7FB-5435-30CA-862F-D82437C383C2> /System/Library/
PrivateFrameworks/AppleVA.framework/Versions/A/AppleVA
0x7fff44e3c000 - 0x7fff44e4bff9 com.apple.AssertionServices (1.0 - 223.140.2)
<48AD21CA-B81D-380E-A04F-90C48FDA5203> /System/Library/
PrivateFrameworks/AssertionServices.framework/Versions/A/AssertionServices
0x7fff4538e000 - 0x7fff45789ff8 com.apple.audio.AudioResourceArbitration
(1.0 - 1) <2BD68521-C19C-3D67-B5EB-DE3E9A4DAF0A> /System/Library/
PrivateFrameworks/AudioResourceArbitration.framework/Versions/A/
AudioResourceArbitration
0x7fff459df000 - 0x7fff45c20ff8 com.apple.audio.AudioToolboxCore (1.0 -
1104.104) <AB379BF7-A824-3F9C-BF26-BC3BE44A575F> /System/Library/
PrivateFrameworks/AudioToolboxCore.framework/Versions/A/AudioToolboxCore
0x7fff45c24000 - 0x7fff45d40fff com.apple.AuthKit (1.0 - 1)
<DC1A27C5-0172-3C72-9B24-06996D0B6207> /System/Library/
PrivateFrameworks/AuthKit.framework/Versions/A/AuthKit
0x7fff45efd000 - 0x7fff45f06ff7
com.apple.coreservices.BackgroundTaskManagement (1.0 - 104)
<A6877DAD-8F47-363C-983A-DC8DDE83B7B5> /System/Library/
PrivateFrameworks/BackgroundTaskManagement.framework/Versions/A/
BackgroundTaskManagement
0x7fff45f07000 - 0x7fff45fa8ff5 com.apple.backup.framework (1.11.8 -
1298.8.1) <196068B7-B3E8-3CC5-8875-9121190AD954> /System/Library/
PrivateFrameworks/Backup.framework/Versions/A/Backup
0x7fff45fa9000 - 0x7fff46035ff6 com.apple.BaseBoard (466.3 - 466.3)
<10D0F3BB-E8F3-365E-8528-6AC996A9B0E7> /System/Library/
PrivateFrameworks/BaseBoard.framework/Versions/A/BaseBoard
0x7fff46137000 - 0x7fff46173ff7 com.apple.bom (14.0 - 219.3)
<CE0B1297-4B57-3D61-9B7A-1C945742A4CE> /System/Library/
PrivateFrameworks/Bom.framework/Versions/A/Bom
0x7fff46291000 - 0x7fff462c8ff5 com.apple.C2 (1.3 - 495) <4A7E2A63-
E19A-3936-92F5-03F2FD602172> /System/Library/PrivateFrameworks/
C2.framework/Versions/A/C2
0x7fff46cf3000 - 0x7fff46d42fff com.apple.ChunkingLibrary (307 - 307)
<5B09C30D-FD2B-3E98-8B64-C5EF470FC13C> /System/Library/
PrivateFrameworks/ChunkingLibrary.framework/Versions/A/ChunkingLibrary
0x7fff47bef000 - 0x7fff47bffffb com.apple.CommonAuth (4.0 - 2.0)
<16117F3D-4803-3A1E-8CE5-078245DB978F> /System/Library/
PrivateFrameworks/CommonAuth.framework/Versions/A/CommonAuth
0x7fff47c13000 - 0x7fff47c2afff com.apple.commonutilities (8.0 - 900)
<F4C97244-E5D8-3F7D-8D94-4B6841C5A4EC> /System/Library/
PrivateFrameworks/CommonUtilities.framework/Versions/A/CommonUtilities
0x7fff48331000 - 0x7fff48706fc8 com.apple.CoreAUC (283.0.0 - 283.0.0)
<4341271C-D270-3F9F-8464-31A20D15158D> /System/Library/PrivateFrameworks/
CoreAUC.framework/Versions/A/CoreAUC
0x7fff48707000 - 0x7fff48734ff7 com.apple.CoreAVCHD (6.1.0 - 6100.4.1)

<C3CFDC68-C7D9-3C44-9E7C-801D45575C10> /System/Library/
PrivateFrameworks/CoreAVCHD.framework/Versions/A/CoreAVCHD
 0x7fff48757000 - 0x7fff48778ff4 com.apple.analyticsd (1.0 - 1) <5BEB8C96-
A227-34D4-9F8C-2C06493C1C5B> /System/Library/PrivateFrameworks/
CoreAnalytics.framework/Versions/A/CoreAnalytics
 0x7fff48881000 - 0x7fff488f7ff7 com.apple.corebrightness (1.0 - 1)
<8CB8F21F-2591-3679-8D4D-91E44C0FF888> /System/Library/
PrivateFrameworks/CoreBrightness.framework/Versions/A/CoreBrightness
 0x7fff48a84000 - 0x7fff48a8fff7 com.apple.frameworks.CoreDaemon (1.3 - 1.3)
<BB7D67B1-2102-3D71-9BB6-AEB8C6A6EBB2> /System/Library/
PrivateFrameworks/CoreDaemon.framework/Versions/B/CoreDaemon
 0x7fff48a90000 - 0x7fff48c9bff1 com.apple.CoreDuet (1.0 - 1) <F899F217-
FC31-3140-A0EB-92EAD22EEF71> /System/Library/PrivateFrameworks/
CoreDuet.framework/Versions/A/CoreDuet
 0x7fff48c9c000 - 0x7fff48ce9ff3 com.apple.coreduetcontext (1.0 - 1)
<72341E86-6921-35FE-89CA-7B04725ECC0F> /System/Library/
PrivateFrameworks/CoreDuetContext.framework/Versions/A/CoreDuetContext
 0x7fff48cea000 - 0x7fff48cffaffe com.apple.CoreDuetDaemonProtocol (1.0 - 1)
<5E31B761-4B30-39A8-9084-97ECFD268B6F> /System/Library/
PrivateFrameworks/CoreDuetDaemonProtocol.framework/Versions/A/
CoreDuetDaemonProtocol
 0x7fff48cf000 - 0x7fff48cffffff com.apple.CoreDuetDebugLogging (1.0 - 1)
<6D0113DB-61D8-3A21-95CB-9E30D8F929F9> /System/Library/
PrivateFrameworks/CoreDuetDebugLogging.framework/Versions/A/
CoreDuetDebugLogging
 0x7fff48d10000 - 0x7fff48d20ff3 com.apple.CoreEmoji (1.0 - 107.1)
<7C2B3259-083B-31B8-BCDB-1BA360529936> /System/Library/
PrivateFrameworks/CoreEmoji.framework/Versions/A/CoreEmoji
 0x7fff48ed7000 - 0x7fff49024fff com.apple.CoreHandwriting (161 - 1.2)
<21DAD964-51A7-3F38-9C91-EF46C0CFF12D> /System/Library/
PrivateFrameworks/CoreHandwriting.framework/Versions/A/CoreHandwriting
 0x7fff49361000 - 0x7fff493cbff0 com.apple.CoreNLP (1.0 - 213)
<E70E2505-8078-324E-BAE1-01A2DA980E2C> /System/Library/
PrivateFrameworks/CoreNLP.framework/Versions/A/CoreNLP
 0x7fff4968e000 - 0x7fff49716ffe com.apple.CorePDF (4.0 - 518.4.1)
<8F94505C-96C2-3694-BEC7-F3B5581A7AB9> /System/Library/
PrivateFrameworks/CorePDF.framework/Versions/A/CorePDF
 0x7fff497f9000 - 0x7fff49801ff8 com.apple.CorePhoneNumbers (1.0 - 1)
<E4DAD514-0B3B-3E0B-8AEA-39B320FAAF03> /System/Library/
PrivateFrameworks/CorePhoneNumbers.framework/Versions/A/CorePhoneNumbers
 0x7fff4a204000 - 0x7fff4a227fff com.apple.CoreSVG (1.0 - 129.3) <F38189F9-
C8F9-3D62-9D5F-3F520FB81724> /System/Library/PrivateFrameworks/
CoreSVG.framework/Versions/A/CoreSVG
 0x7fff4a25c000 - 0x7fff4a28affd com.apple.CSStore (1069.28 - 1069.28)
<85962C9A-1EAC-3231-B387-86AFD07D5A79> /System/Library/
PrivateFrameworks/CoreServicesStore.framework/Versions/A/CoreServicesStore
 0x7fff4a7af000 - 0x7fff4a845ff7 com.apple.CoreSymbolication (11.4 -
64535.33.2) <955BD339-F593-3A70-8C08-71989480CC93> /System/Library/
PrivateFrameworks/CoreSymbolication.framework/Versions/A/CoreSymbolication
 0x7fff4a8dd000 - 0x7fff4aa09ff6 com.apple.coreui (2.1 - 609.4) <D8DA588B-

CC17-339D-8D96-03B15100AE4C> /System/Library/PrivateFrameworks/
CoreUI.framework/Versions/A/CoreUI
 0x7fff4aa0a000 - 0x7fff4abc3ffa com.apple.CoreUtils (6.2.4 - 624.7)
<F2AF53B1-8A90-3AE4-B958-E4C508D10DF0> /System/Library/
PrivateFrameworks/CoreUtils.framework/Versions/A/CoreUtils
 0x7fff4acfd000 - 0x7fff4ad10ff1 com.apple.CrashReporterSupport (10.13 -
15016.1) <D584FFA6-32C5-328B-BE77-2C256B2B116C> /System/Library/
PrivateFrameworks/CrashReporterSupport.framework/Versions/A/
CrashReporterSupport
 0x7fff4adc9000 - 0x7fff4addbf8 com.apple.framework.DFRFoundation (1.0 -
252.50.1) <8162057E-E856-3451-9160-04AEDDECFFA4> /System/Library/
PrivateFrameworks/DFRFoundation.framework/Versions/A/DFRFoundation
 0x7fff4addc000 - 0x7fff4ade1ff com.apple.DSEternalDisplay (3.1 - 380)
<31ECB5FD-7660-33DB-BC5B-2B2A2AA7C686> /System/Library/
PrivateFrameworks/DSEternalDisplay.framework/Versions/A/DSEternalDisplay
 0x7fff4ae6b000 - 0x7fff4aee5ff0 com.apple.datadetectorscore (8.0 - 659)
<E7AEE55D-7C62-3F38-9C44-9EA3BECE27ED> /System/Library/
PrivateFrameworks/DataDetectorsCore.framework/Versions/A/DataDetectorsCore
 0x7fff4af31000 - 0x7fff4af6eff8 com.apple.DebugSymbols (194 - 194)
<040AE30B-CF2C-3798-A289-0929B8CAB10D> /System/Library/
PrivateFrameworks/DebugSymbols.framework/Versions/A/DebugSymbols
 0x7fff4af6f000 - 0x7fff4b0f7ff6 com.apple.desktopservices (1.14.6 - 1281.6.1)
<C2355E6B-C5F7-3E39-B778-B117BD4652C6> /System/Library/
PrivateFrameworks/DesktopServicesPriv.framework/Versions/A/DesktopServicesPriv
 0x7fff4b46f000 - 0x7fff4b542ff1 com.apple.DiskManagement (13.0 -
1648.140.2) <640DBACE-B6EC-3C72-9F73-F484E891534E> /System/Library/
PrivateFrameworks/DiskManagement.framework/Versions/A/DiskManagement
 0x7fff4b543000 - 0x7fff4b547ff1 com.apple.DisplayServicesFW (3.1 - 380)
<4D71ADB3-B29D-3D20-B6DE-9E94061F86AC> /System/Library/
PrivateFrameworks/DisplayServices.framework/Versions/A/DisplayServices
 0x7fff4b5a1000 - 0x7fff4b5c5ff7 com.apple.DuetActivityScheduler (1.0 - 1)
<188C6793-A94C-3B49-A9F4-AF8A348C7E62> /System/Library/
PrivateFrameworks/DuetActivityScheduler.framework/Versions/A/
DuetActivityScheduler
 0x7fff4b5ef000 - 0x7fff4b624ff7 com.apple.SystemConfiguration.EAP8021X
(14.0.0 - 14.0) <D3F76E01-2F9F-33E1-B5C9-CAC6E01724C2> /System/Library/
PrivateFrameworks/EAP8021X.framework/Versions/A/EAP8021X
 0x7fff4b625000 - 0x7fff4b629ff9 com.apple.EFILogin (2.0 - 2)
<3BFE697B-469F-38F4-B380-4A4F4A37C836> /System/Library/
PrivateFrameworks/EFILogin.framework/Versions/A/EFILogin
 0x7fff4c173000 - 0x7fff4c7ddff9 com.apple.vision.EspressoFramework (1.0 -
188.4) <70B1521B-1B24-3DA4-A41B-E727CF140F1F> /System/Library/
PrivateFrameworks/Espresso.framework/Versions/A/Espresso
 0x7fff4cab7000 - 0x7fff4ced2ff1 com.apple.vision.FaceCore (4.3.0 - 4.3.0)
<5D32F65D-2CD7-3204-975C-F4C9256E505F> /System/Library/
PrivateFrameworks/FaceCore.framework/Versions/A/FaceCore
 0x7fff4d571000 - 0x7fff4d6a8ffc libFontParser.dylib (277.2.6.9) <9EA679F4-
CFF0-3FC9-87E0-71757CB7830B> /System/Library/PrivateFrameworks/
FontServices.framework/libFontParser.dylib
 0x7fff4d741000 - 0x7fff4d751ff6 libhvf.dylib (1.0 - \$

[CURRENT_PROJECT_VERSION]) <030D657D-634C-3A3E-8952-ED7F1C408D74> /System/Library/PrivateFrameworks/FontServices.framework/libhvf.dylib
0x7fff522ed000 - 0x7fff522f3fff com.apple.GPUWrangler (5.2.7 - 5.2.7)
<F632C729-7779-3B7F-BFAD-14B388964131> /System/Library/PrivateFrameworks/GPUWrangler.framework/Versions/A/GPUWrangler
0x7fff52612000 - 0x7fff52638ff1 com.apple.GenerationalStorage (2.0 - 314)
<54483E50-20BB-3AF8-900F-992320C109B0> /System/Library/PrivateFrameworks/GenerationalStorage.framework/Versions/A/GenerationalStorage
0x7fff52651000 - 0x7fff5363aff1 com.apple.GeoServices (1.0 - 1624.26.4.26.9)
<F735575F-7DEF-3202-9151-589BEB162596> /System/Library/PrivateFrameworks/GeoServices.framework/Versions/A/GeoServices
0x7fff53766000 - 0x7fff53774ffb com.apple.GraphVisualizer (1.0 - 100.1)
<507D5812-9CB4-3C94-938C-59ED2B370818> /System/Library/PrivateFrameworks/GraphVisualizer.framework/Versions/A/GraphVisualizer
0x7fff537dd000 - 0x7fff537eaff9 com.apple.HID (1.0 - 1) <3C9F3427-C94C-3FFE-85D7-B0294F6B07FF> /System/Library/PrivateFrameworks/HID.framework/Versions/A/HID
0x7fff53913000 - 0x7fff539d1ff4 com.apple.Heimdal (4.0 - 2.0) <59263B72-FF28-3D81-88BC-C7F0B31FB2C9> /System/Library/PrivateFrameworks/Heimdal.framework/Versions/A/Heimdal
0x7fff55b5d000 - 0x7fff55b65ff5 com.apple.IOAccelerator (438.7.4 - 438.7.4)
<3C973800-3AE0-3908-9922-EFBC57C3F5B2> /System/Library/PrivateFrameworks/IOAccelerator.framework/Versions/A/IOAccelerator
0x7fff55b72000 - 0x7fff55b89fff com.apple.IOPresentment (47.10 - 37)
<C97340B5-C71D-32CC-A519-30A5D7184BD3> /System/Library/PrivateFrameworks/IOPresentment.framework/Versions/A/IOPresentment
0x7fff55f11000 - 0x7fff55f5cff1 com.apple.IconServices (438.3 - 438.3)
<0DADB4C3-46FF-3FDB-8A86-51E2067FC7F4> /System/Library/PrivateFrameworks/IconServices.framework/Versions/A/IconServices
0x7fff560f9000 - 0x7fff56107fff com.apple.IntentsFoundation (1.0 - 1)
<1BC7D355-E136-391A-8215-6982742645DD> /System/Library/PrivateFrameworks/IntentsFoundation.framework/Versions/A/IntentsFoundation
0x7fff5611a000 - 0x7fff56121ff9 com.apple.InternationalSupport (1.0 - 45.4)
<8D8D4A7D-FD35-36B8-A456-7C93030EDAB3> /System/Library/PrivateFrameworks/InternationalSupport.framework/Versions/A/InternationalSupport
0x7fff563ae000 - 0x7fff563cdffd
com.apple.security.KeychainCircle.KeychainCircle (1.0 - 1)
<42DEA6AF-7D35-37CC-A943-8CAEF0C482FF> /System/Library/PrivateFrameworks/KeychainCircle.framework/Versions/A/KeychainCircle
0x7fff56502000 - 0x7fff565d0ffd com.apple.LanguageModeling (1.0 - 215.1)
<C456087D-5B3A-390E-A665-862FA284C59C> /System/Library/PrivateFrameworks/LanguageModeling.framework/Versions/A/LanguageModeling
0x7fff565d1000 - 0x7fff56619fff com.apple.Lexicon-framework (1.0 - 72)
<41F208B9-8255-3EC7-9673-FE0925D071D3> /System/Library/PrivateFrameworks/Lexicon.framework/Versions/A/Lexicon
0x7fff56620000 - 0x7fff56625ff3 com.apple.LinguisticData (1.0 - 353.18)
<3B92F249-4602-325F-984B-D2DE61EEE4E1> /System/Library/PrivateFrameworks/LinguisticData.framework/Versions/A/LinguisticData
0x7fff5664c000 - 0x7fff56670ffe com.apple.locationsupport (2394.0.22 -

2394.0.22) <CA6C86FD-051A-31BB-B3AF-3D02D6FD94B6> /System/Library/PrivateFrameworks/LocationSupport.framework/Versions/A/LocationSupport
0x7fff56ebe000 - 0x7fff56ec1ff com.apple.Mangrove (1.0 - 25)
<482F300F-9B70-351F-A4DF-B440EEF7368D> /System/Library/PrivateFrameworks/Mangrove.framework/Versions/A/Mangrove
0x7fff5707f000 - 0x7fff570a5ff com.apple.MarkupUI (1.0 - 325.9)
<472D819A-77BC-306B-B3E8-497B0A43F3B4> /System/Library/PrivateFrameworks/MarkupUI.framework/Versions/A/MarkupUI
0x7fff5712a000 - 0x7fff571b4ff com.apple.MediaExperience (1.0 - 1)
<2A47BA9D-1250-3388-9366-15A84F38D18F> /System/Library/PrivateFrameworks/MediaExperience.framework/Versions/A/MediaExperience
0x7fff571b5000 - 0x7fff571e8ff com.apple.MediaKit (16 - 923)
<09FEE738-41E4-3A9C-AF1E-1DD00C56339D> /System/Library/PrivateFrameworks/MediaKit.framework/Versions/A/MediaKit
0x7fff572ad000 - 0x7fff57643ff com.apple.MediaRemote (1.0 - 1)
<A0FF8D18-8BD3-3497-A53E-53CA3A072D5B> /System/Library/PrivateFrameworks/MediaRemote.framework/Versions/A/MediaRemote
0x7fff57644000 - 0x7fff57680ff com.apple.MediaServices (1.0 - 1)
<EA82F76E-BF9B-37C3-9C8F-BEBC7D87D0CE> /System/Library/PrivateFrameworks/MediaServices.framework/Versions/A/MediaServices
0x7fff5798e000 - 0x7fff579daff com.apple.spotlight.metadata.utilities (1.0 - 2076.7.2)
<80008658-61C6-32E6-823A-23A8CE5FF620> /System/Library/PrivateFrameworks/MetadataUtilities.framework/Versions/A/MetadataUtilities
0x7fff579db000 - 0x7fff57aacffa com.apple.gpusw.MetalTools (1.0 - 1)
<99876E08-37D7-3828-8796-56D90C9AFBDB> /System/Library/PrivateFrameworks/MetalTools.framework/Versions/A/MetalTools
0x7fff57ce0000 - 0x7fff57cfefff com.apple.MobileKeyBag (2.0 - 1.0)
<D5FA7041-297F-3ADC-8C7A-6EAAAB82EB68> /System/Library/PrivateFrameworks/MobileKeyBag.framework/Versions/A/MobileKeyBag
0x7fff57dca000 - 0x7fff57f60ffd com.apple.Montreal (1.0 - 121.1)
<E7881020-FCA6-3DFC-B0EB-9E539F80E821> /System/Library/PrivateFrameworks/Montreal.framework/Versions/A/Montreal
0x7fff57f61000 - 0x7fff57f91ff7 com.apple.MultitouchSupport.framework
(3440.1.1 - 3440.1.1) <A11C1DDC-6DE0-3F14-A526-2552CC5CCBD4> /System/Library/PrivateFrameworks/MultitouchSupport.framework/Versions/A/MultitouchSupport
0x7fff58491000 - 0x7fff5849bfff com.apple.NetAuth (6.2 - 6.2)
<B0C03C41-87A3-352B-B130-96E1A6F94B47> /System/Library/PrivateFrameworks/NetAuth.framework/Versions/A/NetAuth
0x7fff5855d000 - 0x7fff58579ff0 com.apple.network.statistics.framework (1.2 - 1)
<B2F29251-A67A-36A9-B1E8-8652C59BADA1> /System/Library/PrivateFrameworks/NetworkStatistics.framework/Versions/A/NetworkStatistics
0x7fff58eb3000 - 0x7fff58efeffb com.apple.OTSVG (1.0 - 643.1.5.8)
<F5A6C8C2-837D-3446-9B1A-491C780CF8DF> /System/Library/PrivateFrameworks/OTSVG.framework/Versions/A/OTSVG
0x7fff5a11b000 - 0x7fff5a126ff2 com.apple.PerformanceAnalysis (1.243.3 - 243.3)
<7B2C4193-68D7-3B95-ACA3-0FDD33A74D45> /System/Library/PrivateFrameworks/PerformanceAnalysis.framework/Versions/A/PerformanceAnalysis
0x7fff5a127000 - 0x7fff5a14fffb com.apple.persistentconnection (1.0 - 1.0)

<5B2D87A8-2641-3F6D-ACEA-96B00F85AAB5> /System/Library/
PrivateFrameworks/PersistentConnection.framework/Versions/A/
PersistentConnection
 0x7fff5bbca000 - 0x7fff5bbfaff7 com.apple.pluginkit.framework (1.0 - 1)
<AACD7323-D5AE-330E-88EB-EBE7D1B9CF26> /System/Library/
PrivateFrameworks/PlugInKit.framework/Versions/A/PlugInKit
 0x7fff5bc25000 - 0x7fff5bc38ffc com.apple.PowerLog (1.0 - 1)
<76D14DBC-1D4C-3D15-B076-9DE487BADC41> /System/Library/
PrivateFrameworks/PowerLog.framework/Versions/A/PowerLog
 0x7fff5cab4000 - 0x7fff5cb0eff6 com.apple.ProtectedCloudStorage (1.0 - 1)
<6F271388-3817-336D-9B96-08C7AAC4BA39> /System/Library/
PrivateFrameworks/ProtectedCloudStorage.framework/Versions/A/
ProtectedCloudStorage
 0x7fff5cb0f000 - 0x7fff5cb28ffb com.apple.ProtocolBuffer (1 - 274.24.9.16.3)
<5A020941-C43C-303E-8DE8-230FC6A84DBC> /System/Library/
PrivateFrameworks/ProtocolBuffer.framework/Versions/A/ProtocolBuffer
 0x7fff5cc3a000 - 0x7fff5cc3dff4 com.apple.QuickLookNonBaseSystem (1.0 - 1)
<4ED3B4B9-B51E-3888-9258-9334B113837E> /System/Library/PrivateFrameworks/
QuickLookNonBaseSystem.framework/Versions/A/QuickLookNonBaseSystem
 0x7fff5cc3e000 - 0x7fff5cc61ff0 com.apple.quicklook.QuickLookSupport (1.0 -
1) <AFB0DFCC-6580-30E5-8984-831985F37A2C> /System/Library/
PrivateFrameworks/QuickLookSupport.framework/Versions/A/QuickLookSupport
 0x7fff5cca8000 - 0x7fff5cd21ff3 com.apple.Rapport (1.9.5 - 195.2)
<AF01D899-3BF9-3586-860A-D95A837101DF> /System/Library/
PrivateFrameworks/Rapport.framework/Versions/A/Rapport
 0x7fff5cf88000 - 0x7fff5cfb1ff1 com.apple.RemoteViewServices (2.0 - 148)
<D3AAC2BE-3423-3F18-9654-E35F1DD8DDB3> /System/Library/
PrivateFrameworks/RemoteViewServices.framework/Versions/A/
RemoteViewServices
 0x7fff5d116000 - 0x7fff5d151ff0 com.apple.RunningBoardServices (1.0 -
223.140.2) <96BB04BD-D6E0-3D70-8F36-89B46DA1DA30> /System/Library/
PrivateFrameworks/RunningBoardServices.framework/Versions/A/
RunningBoardServices
 0x7fff5ea32000 - 0x7fff5ea35ff5 com.apple.SecCodeWrapper (4.0 - 448.100.6)
<C4BF691D-A09E-37E8-A6CC-1145B79B8722> /System/Library/
PrivateFrameworks/SecCodeWrapper.framework/Versions/A/SecCodeWrapper
 0x7fff5eba8000 - 0x7fff5eccffff com.apple.Sharing (1526.37 - 1526.37)
<CBDA0ADD-F1E7-3B06-9118-C5E183F0D3D6> /System/Library/
PrivateFrameworks/Sharing.framework/Versions/A/Sharing
 0x7fff5ed47000 - 0x7fff5ed67ff5 com.apple.sidecar-core (1.0 - 209.40.4)
<55ACCB3C-A5B6-3379-BC60-8308747C58F4> /System/Library/
PrivateFrameworks/SidecarCore.framework/Versions/A/SidecarCore
 0x7fff5ed68000 - 0x7fff5ed7aff0 com.apple.sidecar-ui (1.0 - 209.40.4)
<B62F6AE0-D3CA-3CAC-A4FD-DAB73AE50549> /System/Library/
PrivateFrameworks/SidecarUI.framework/Versions/A/SidecarUI
 0x7fff600e4000 - 0x7fff603dafff com.apple.SkyLight (1.600.0 - 451.6)
<489A2996-E719-346E-BACE-DCCDB5E00553> /System/Library/
PrivateFrameworks/SkyLight.framework/Versions/A/SkyLight
 0x7fff60c27000 - 0x7fff60c35ffb com.apple.SpeechRecognitionCore (6.0.91.2 -
6.0.91.2) <4D6CAC2A-151B-3BBE-BDB7-E2BE72128691> /System/Library/

PrivateFrameworks/SpeechRecognitionCore.framework/Versions/A/
SpeechRecognitionCore
 0x7fff61469000 - 0x7fff61472ff7 com.apple.SymptomDiagnosticReporter (1.0 -
1238.120.2) <C3D66901-7E31-3FDB-BD7A-441EB0520D1D> /System/Library/
PrivateFrameworks/SymptomDiagnosticReporter.framework/Versions/A/
SymptomDiagnosticReporter
 0x7fff61729000 - 0x7fff61739ff3 com.apple.TCC (1.0 - 1)
<0DD6C92B-5648-3B0C-B318-B0981A7F9EF3> /System/Library/
PrivateFrameworks/TCC.framework/Versions/A/TCC
 0x7fff61c5e000 - 0x7fff61d24ff0 com.apple.TextureIO (3.10.9 - 3.10.9)
<EEDAB753-329A-396A-8119-5BEDF7DB5A56> /System/Library/
PrivateFrameworks/TextureIO.framework/Versions/A/TextureIO
 0x7fff61ef4000 - 0x7fff6214cff0 com.apple.UIFoundation (1.0 - 662)
<EC55B9E5-7E62-380A-9AB1-FC7BEF663653> /System/Library/
PrivateFrameworks/UIFoundation.framework/Versions/A/UIFoundation
 0x7fff621e3000 - 0x7fff621e9ff com.apple.URLFormatting (119 - 119.18)
<7F99D166-86DC-3F77-A34A-2DA7183D7160> /System/Library/
PrivateFrameworks/URLFormatting.framework/Versions/A/URLFormatting
 0x7fff62b7b000 - 0x7fff62b9bfc com.apple.UserManagement (1.0 - 1)
<9F00880E-6EA6-3684-B208-455E14EC07C8> /System/Library/
PrivateFrameworks/UserManagement.framework/Versions/A/UserManagement
 0x7fff63947000 - 0x7fff63a32ff2 com.apple.ViewBridge (468 - 468)
<E35C7CF5-DE95-3B39-ACB8-A3C72C785E8F> /System/Library/
PrivateFrameworks/ViewBridge.framework/Versions/A/ViewBridge
 0x7fff63bd8000 - 0x7fff63bd9fff com.apple.WatchdogClient.framework (1.0 -
67.120.2) <FFA17DA1-F6DD-34D3-A708-1F73C8BA7EA7> /System/Library/
PrivateFrameworks/WatchdogClient.framework/Versions/A/WatchdogClient
 0x7fff64809000 - 0x7fff6480cffa com.apple.dt.XCTTargetBootstrap (1.0 -
16091) <00FA6272-2017-3199-9E0F-F6DEF5E868D5> /System/Library/
PrivateFrameworks/XCTTargetBootstrap.framework/Versions/A/XCTTargetBootstrap
 0x7fff64886000 - 0x7fff64894ff5 com.apple.audio.caulk (1.0 - 32.3)
<06D695EA-E2BC-31E4-9816-9C12542BA744> /System/Library/
PrivateFrameworks/caulk.framework/Versions/A/caulk
 0x7fff64bd6000 - 0x7fff64bd8ff3 com.apple.loginsupport (1.0 - 1)
<540BB904-0A51-3B37-A436-969D24CD28AC> /System/Library/
PrivateFrameworks/login.framework/Versions/A/Frameworks/
loginsupport.framework/Versions/A/loginsupport
 0x7fff64c1e000 - 0x7fff64c2affd com.apple.perfdata (1.0 - 51.100.6)
<21760CFD-62FF-3466-B3AD-191D02411DA0> /System/Library/
PrivateFrameworks/perfdata.framework/Versions/A/perfdata
 0x7fff676af000 - 0x7fff676bbff9 libAudioStatistics.dylib (1104.104)
<ABAЕ8040-11E9-3E33-8638-DB40EFF147F1> /usr/lib/libAudioStatistics.dylib
 0x7fff676bc000 - 0x7fff676efffa libAudioToolboxUtility.dylib (1104.104)
<262BD36D-7989-3C7D-AC9A-737D274EF36E> /usr/lib/libAudioToolboxUtility.dylib
 0x7fff676f6000 - 0x7fff6772afff libCRFSuite.dylib (48)
<5E5DE3CB-30DD-34DC-AEF8-FE8536A85E96> /usr/lib/libCRFSuite.dylib
 0x7fff6772d000 - 0x7fff67737fff libChineseTokenizer.dylib (34)
<7F0DA183-1796-315A-B44A-2C234C7C50BE> /usr/lib/libChineseTokenizer.dylib
 0x7fff67738000 - 0x7fff677c0fff libCoreStorage.dylib (551.0.1)
<D2F45D31-91C3-31A0-85BF-56FFDC4EB793> /usr/lib/libCoreStorage.dylib

0x7fff677c3000 - 0x7fff677c5ff7 libDiagnosticMessagesClient.dylib (112)
<C94F3B7B-1854-38EB-9778-834501C53B3F> /usr/lib/
libDiagnosticMessagesClient.dylib
0x7fff6780b000 - 0x7fff679c2ffb libFosl_dynamic.dylib (100.4)
<737573B2-190A-3BA1-8220-807AD0A2CE5E> /usr/lib/libFosl_dynamic.dylib
0x7fff679e9000 - 0x7fff679efff3 libIORReport.dylib (54) <75D177C4-BAD7-3285-
B8E1-3019F49B3178> /usr/lib/libIORReport.dylib
0x7fff67ad1000 - 0x7fff67ad8fff libMatch.1.dylib (36) <5C6F3971-9D9E-3630-
BDB6-60BFC5A665E0> /usr/lib/libMatch.1.dylib
0x7fff67b07000 - 0x7fff67b27ff7 libMobileGestalt.dylib (826.140.5)
<2BE94E6A-FA61-312F-84A1-F764D71B7E39> /usr/lib/libMobileGestalt.dylib
0x7fff67ba7000 - 0x7fff67c84ff7 libSMC.dylib (20) <5C9C17F2-1E6F-3A19-
A440-86F74D82284F> /usr/lib/libSMC.dylib
0x7fff67c99000 - 0x7fff67c9afff libSystem.B.dylib (1281.100.1) <5A20AE6C-
BF4D-3689-B7D2-19F0721F6375> /usr/lib/libSystem.B.dylib
0x7fff67c9b000 - 0x7fff67d26ff7 libTelephonyUtilDynamic.dylib (5017.1)
<174030B2-E35F-3F17-A9EF-DF8631F30CCF> /usr/lib/
libTelephonyUtilDynamic.dylib
0x7fff67d27000 - 0x7fff67d28fff libThaiTokenizer.dylib (3)
<4F4ADE99-0D09-3223-B7C0-C407AB6DE8DC> /usr/lib/libThaiTokenizer.dylib
0x7fff67d40000 - 0x7fff67d56fff libapple_nghttp2.dylib (1.39.2)
<07FEC48A-87CF-32A3-8194-FA70B361713A> /usr/lib/libapple_nghttp2.dylib
0x7fff67d8b000 - 0x7fff67dfdff7 libarchive.2.dylib (72.140.2)
<F9EA2883-5D5C-3FA6-B3F8-C5031BF88ABD> /usr/lib/libarchive.2.dylib
0x7fff67dfe000 - 0x7fff67f2dfed libate.dylib (3.0.1) <DE609B9D-AD02-34FE-
A91B-464ECDECC73A> /usr/lib/libate.dylib
0x7fff67f31000 - 0x7fff67f31ff3 libauto.dylib (187)
<B6124448-7690-34AE-8939-ED84AAC630CE> /usr/lib/libauto.dylib
0x7fff67ff7000 - 0x7fff68007ffb libbsm.0.dylib (60.100.1)
<00BFFB9A-2FFE-3C24-896A-251BC61917FD> /usr/lib/libbsm.0.dylib
0x7fff68008000 - 0x7fff68014fff libbz2.1.0.dylib (44) <14CC4988-B6D4-3879-
AFC2-9A0DDC6388DE> /usr/lib/libbz2.1.0.dylib
0x7fff68015000 - 0x7fff68067fff libc++.1.dylib (902.1) <59A8239F-C28A-3B59-
B8FA-11340DC85EDC> /usr/lib/libc++.1.dylib
0x7fff68068000 - 0x7fff6807dff7 libc++abi.dylib (902) <E692F14F-
C65E-303B-9921-BB7E97D77855> /usr/lib/libc++abi.dylib
0x7fff6807e000 - 0x7fff6807efff libcharset.1.dylib (59)
<72447768-9244-39AB-8E79-2FA14EC0AD33> /usr/lib/libcharset.1.dylib
0x7fff6807f000 - 0x7fff68090fff libcmph.dylib (8) <E72A20DB-2E86-378D-
A237-EB9A1370F989> /usr/lib/libcmph.dylib
0x7fff68091000 - 0x7fff680a9fd7 libcompression.dylib (87.1)
<F3C7F9B4-71CF-3398-AAD3-456C9FEECD08> /usr/lib/libcompression.dylib
0x7fff68383000 - 0x7fff68399ff7 libcoretls.dylib (167) <770A5B96-936E-34E3-
B006-B1CEC299B5A5> /usr/lib/libcoretls.dylib
0x7fff6839a000 - 0x7fff6839bfff libcoretls_cfhelpers.dylib (167) <940BF370-
FD0C-30A8-AA05-FF48DA44FA4C> /usr/lib/libcoretls_cfhelpers.dylib
0x7fff68945000 - 0x7fff68950fff libcsfde.dylib (551.0.1) <FDD996E0-
B876-3B82-8B12-D311324E8331> /usr/lib/libcsfde.dylib
0x7fff68958000 - 0x7fff689b7ff7 libcups.2.dylib (483.9) <D98C594E-
BD7F-3A3D-9709-CEAFE2A39105> /usr/lib/libcups.2.dylib

0x7fff68ac1000 - 0x7fff68ac1fff libenergytrace.dylib (21)
<162DFCC0-8F48-3DD0-914F-FA8653E27B26> /usr/lib/libenergytrace.dylib
0x7fff68ac2000 - 0x7fff68adcff7 libexpat.1.dylib (19.60.3) <4FD5D517-B4C8-365B-A2C0-D998A624D5A0> /usr/lib/libexpat.1.dylib
0x7fff68aea000 - 0x7fff68aecfff libfakelink.dylib (149.1) <36146CB2-E6A5-37BB-9EE8-1B4034D8F3AD> /usr/lib/libfakelink.dylib
0x7fff68afb000 - 0x7fff68b00fff libgermantok.dylib (24) <D2AE5AC0-EDCE-3216-B8C9-CF59292A545F> /usr/lib/libgermantok.dylib
0x7fff68b01000 - 0x7fff68b0aff7 libheimdal-asn1.dylib (564.140.8) <79098F5B-A5DF-3FD5-A393-B0E65A88E2C3> /usr/lib/libheimdal-asn1.dylib
0x7fff68b0b000 - 0x7fff68bfbfff libiconv.2.dylib (59) <18311A67-E4EF-3CC7-95B3-C0EDEE3A282F> /usr/lib/libiconv.2.dylib
0x7fff68bfc000 - 0x7fff68e53fff libicucore.A.dylib (64261.1.1)
<66CDEADD-1B4A-3AEA-951F-EA4DBF0BEB09> /usr/lib/libicucore.A.dylib
0x7fff68e6d000 - 0x7fff68e6efff liblangid.dylib (133) <30CFC08C-EF36-3CF5-8AEA-C1CB070306B7> /usr/lib/liblangid.dylib
0x7fff68e6f000 - 0x7fff68e87ff3 liblzma.5.dylib (16)
<C131EF18-2CDD-3271-8A30-A8760D4FE166> /usr/lib/liblzma.5.dylib
0x7fff68e9f000 - 0x7fff68f46ff7 libmecab.dylib (883.11) <0D5BFD01-D4A7-3C8D-AA69-C329C1A69792> /usr/lib/libmecab.dylib
0x7fff68f47000 - 0x7fff691a9ff1 libmecabra.dylib (883.11)
<E31DE74D-1B88-377F-ACD3-D789D29C3AE7> /usr/lib/libmecabra.dylib
0x7fff69516000 - 0x7fff69545fff libncurses.5.4.dylib (57)
<995DFEEA-40F3-377F-B73D-D02AC59D591F> /usr/lib/libncurses.5.4.dylib
0x7fff69675000 - 0x7fff69af1ff5 libnetwork.dylib (1880.120.5)
<D5FA26D5-7CE4-33AF-B8A4-7867AA022D16> /usr/lib/libnetwork.dylib
0x7fff69af2000 - 0x7fff69b09fff libnetworkextension.dylib (1095.140.2)
<84E23CED-73F1-3D31-BDC9-9D8F6E549B4C> /usr/lib/libnetworkextension.dylib
0x7fff69b92000 - 0x7fff69bc4fde libobjc.A.dylib (787.1)
<265783CE-6D74-36C9-B6D2-95D3910199EC> /usr/lib/libobjc.A.dylib
0x7fff69bd7000 - 0x7fff69bdbfff libpam.2.dylib (25.100.1)
<0502F395-8EE6-3D2A-9239-06FD5622E19E> /usr/lib/libpam.2.dylib
0x7fff69bde000 - 0x7fff69c14fff libpcap.A.dylib (89.120.2)
<86DAA475-805A-3E01-86C5-6CAE4D1D9BC6> /usr/lib/libpcap.A.dylib
0x7fff69c54000 - 0x7fff69c62ff9 libperfcheck.dylib (37.100.2)
<9D9C4879-8A80-34C4-B0D2-BE341FD6D321> /usr/lib/libperfcheck.dylib
0x7fff69c63000 - 0x7fff69c66ff3 libpmenergy.dylib (214.120.2) <D9958FD1-C1E2-3476-A786-E020E999772C> /usr/lib/libpmenergy.dylib
0x7fff69c67000 - 0x7fff69c69fff libpmsample.dylib (214.120.2)
<82BA2E74-7F44-3C72-B802-3CC356F04D71> /usr/lib/libpmsample.dylib
0x7fff69c98000 - 0x7fff69cb0fff libresolv.9.dylib (67.40.3)
<6A5B8293-7CA1-300F-B96E-2316C15D55A9> /usr/lib/libresolv.9.dylib
0x7fff69cb2000 - 0x7fff69cf6ff7 libsandbox.1.dylib (1217.141.9) <C357CAEC-EB2B-30BE-9CE0-2E83190CB950> /usr/lib/libsandbox.1.dylib
0x7fff69d0a000 - 0x7fff69d0bff7 libspindump.dylib (281.4)
<76562AC6-4289-374D-8EDE-15FC96187805> /usr/lib/libspindump.dylib
0x7fff69d0c000 - 0x7fff69eeeef7 libsqlite3.dylib (308.6)
<3E17BEE7-19F3-329D-BBF9-1DD5D54913AD> /usr/lib/libsqlite3.dylib
0x7fff6a13f000 - 0x7fff6a142ffb libutil.dylib (57.140.1) <6EC380B0-FBB1-3AE3-8A09-1851E128C70F> /usr/lib/libutil.dylib

0x7fff6a143000 - 0x7fff6a150fff libxar.1.dylib (425.7) <4EA640CD-74CE-3A79-
ABB7-FFE98C9C1C3A> /usr/lib/libxar.1.dylib
0x7fff6a156000 - 0x7fff6a238ff7 libxml2.2.dylib (33.14) <618BECE1-
F1FD-3923-BA5C-58E5899D0CAA> /usr/lib/libxml2.2.dylib
0x7fff6a23c000 - 0x7fff6a264fff libxslt.1.dylib (16.12)
<42938E5F-5FE9-3265-8D10-1D1115BC5402> /usr/lib/libxslt.1.dylib
0x7fff6a265000 - 0x7fff6a277ff3 libz.1.dylib (76.0.1) <E3495313-4CFF-34C4-
AD9F-5DE24F66E15D> /usr/lib/libz.1.dylib
0x7fff6ab26000 - 0x7fff6ab2bff3 libcache.dylib (83) <AF488D13-9E89-35E0-
B078-BE37CC5B8586> /usr/lib/system/libcache.dylib
0x7fff6ab2c000 - 0x7fff6ab37fff libcommonCrypto.dylib (60165.120.1)
<C7912BE5-993E-3581-B2A0-6AABDC8C5562> /usr/lib/system/
libcommonCrypto.dylib
0x7fff6ab38000 - 0x7fff6ab3ffff libcompiler_rt.dylib (101.2)
<49B8F644-5705-3F16-BBE0-6FFF9B17C36E> /usr/lib/system/libcompiler_rt.dylib
0x7fff6ab40000 - 0x7fff6ab49ff7 libcopyfile.dylib (166.40.1)
<3C481225-21E7-370A-A30E-0CCFDD64A92C> /usr/lib/system/libcopyfile.dylib
0x7fff6ab4a000 - 0x7fff6abdcfdb libcorecrypto.dylib (866.140.2) <E9AAA2A6-
D0D4-328A-BEA2-4DC5E513BA30> /usr/lib/system/libcorecrypto.dylib
0x7fff6ace9000 - 0x7fff6ad29ff0 libdispatch.dylib (1173.100.2)
<CD9C059C-91D9-30E8-8926-5B9CD0D5D4F5> /usr/lib/system/libdispatch.dylib
0x7fff6ad2a000 - 0x7fff6ad60fff libdyld.dylib (750.7)
<AB99C9EE-7127-3451-89AB-339F8F2CEE61> /usr/lib/system/libdyld.dylib
0x7fff6ad61000 - 0x7fff6ad61ffb libkeymgr.dylib (30) <DB3337BE-01CA-3425-
BD0C-87774FC0CDC0> /usr/lib/system/libkeymgr.dylib
0x7fff6ad62000 - 0x7fff6ad6eff3 libkxld.dylib (6153.141.66)
<1058F62C-5E2D-388B-B885-CA838379901D> /usr/lib/system/libkxld.dylib
0x7fff6ad6f000 - 0x7fff6ad6fff7 liblaunch.dylib (1738.140.3) <E2CFD17D-
F36C-3734-8F37-16798799EF9E> /usr/lib/system/liblaunch.dylib
0x7fff6ad70000 - 0x7fff6ad75ff7 libmacho.dylib (959.0.1)
<AA613A9C-961A-3B67-B696-4622FA59FC4E> /usr/lib/system/libmacho.dylib
0x7fff6ad76000 - 0x7fff6ad78ff3 libquarantine.dylib (110.40.6)
<6CADF28C-2F20-3FA5-9FB9-49EAB0FD2489> /usr/lib/system/libquarantine.dylib
0x7fff6ad79000 - 0x7fff6ad7aff7 libremovefile.dylib (48) <7C7EFC79-
BD24-33EF-B073-06AED234593E> /usr/lib/system/libremovefile.dylib
0x7fff6ad7b000 - 0x7fff6ad92ff3 libsystem_asl.dylib (377.60.4) <BDE4E1E6-
BB8F-3EAC-A9CD-53B9FBD96554> /usr/lib/system/libsystem_asl.dylib
0x7fff6ad93000 - 0x7fff6ad93ff7 libsystem_blocks.dylib (74) <0D53847E-
AF5F-3ACF-B51F-A15DEA4DEC58> /usr/lib/system/libsystem_blocks.dylib
0x7fff6ad94000 - 0x7fff6ae1bfff libsystem_c.dylib (1353.100.4)
<BCD3F031-4A3F-32CF-AB9A-D6EE7A7499D4> /usr/lib/system/libsystem_c.dylib
0x7fff6ae1c000 - 0x7fff6ae1ffb libsystem_configuration.dylib (1061.141.2)
<393137B7-3631-3450-B6F4-95EECD3ADDFF> /usr/lib/system/
libsystem_configuration.dylib
0x7fff6ae20000 - 0x7fff6ae23fff libsystem_coreservices.dylib (114.1)
<72857ADA-AA97-398B-B089-F50B2E89064B> /usr/lib/system/
libsystem_coreservices.dylib
0x7fff6ae24000 - 0x7fff6ae2cff libsystem_darwin.dylib (1353.100.4)
<19242BF1-BAF6-3DF0-AAD3-93E3E0870DBE> /usr/lib/system/
libsystem_darwin.dylib

0x7fff6ae2d000 - 0x7fff6ae34fff libsystem_dnssd.dylib (1096.100.3)
<EBB4C2C2-E031-3094-B40A-E67BF261D295> /usr/lib/system/
libsystem_dnssd.dylib
0x7fff6ae35000 - 0x7fff6ae36ff8 libsystem_featureflags.dylib (17) <29FD922A-
EC2C-3F25-BCCC-B58D716E60EC> /usr/lib/system/libsystem_featureflags.dylib
0x7fff6ae37000 - 0x7fff6ae84ff7 libsystem_info.dylib (538.1) <D057695A-
F11C-3863-971C-EA1EBF8662B1> /usr/lib/system/libsystem_info.dylib
0x7fff6ae85000 - 0x7fff6aeb1ff7 libsystem_kernel.dylib (6153.141.66)
<FF081F3A-F653-3F8F-9E64-9F34792EEDB3> /usr/lib/system/
libsystem_kernel.dylib
0x7fff6aeb2000 - 0x7fff6aefdfef libsystem_m.dylib (3178)
<D1CF3A92-2424-3420-B375-DEED7AA68C53> /usr/lib/system/libsystem_m.dylib
0x7fff6aefe000 - 0x7fff6af25fff libsystem_malloc.dylib (283.100.6)
<8549294E-4C53-36EB-99F3-584A7393D8D5> /usr/lib/system/
libsystem_malloc.dylib
0x7fff6af26000 - 0x7fff6af33ffb libsystem_networkextension.dylib (1095.140.2)
<F06C65C5-2CBE-313C-96E1-A09240F9FE57> /usr/lib/system/
libsystem_networkextension.dylib
0x7fff6af34000 - 0x7fff6af3dff7 libsystem_notify.dylib (241.100.2) <FA22F928-
D91B-3AA5-96BB-3186AC0FB264> /usr/lib/system/libsystem_notify.dylib
0x7fff6af3e000 - 0x7fff6af46fef libsystem_platform.dylib (220.100.1)
<009A7C1F-313A-318E-B9F2-30F4C06FEA5C> /usr/lib/system/
libsystem_platform.dylib
0x7fff6af47000 - 0x7fff6af51fff libsystem_pthread.dylib (416.100.3)
<62CB1A98-0B8F-31E7-A02B-A1139927F61D> /usr/lib/system/
libsystem_pthread.dylib
0x7fff6af52000 - 0x7fff6af56ff3 libsystem_sandbox.dylib (1217.141.9)
<75C7915D-19C4-3F32-B320-394BA4B18655> /usr/lib/system/
libsystem_sandbox.dylib
0x7fff6af57000 - 0x7fff6af59fff libsystem_secinit.dylib (62.100.2) <F80872AA-
E1FD-3D7E-8729-467656EC6561> /usr/lib/system/libsystem_secinit.dylib
0x7fff6af5a000 - 0x7fff6af61ff8 libsystem_symptoms.dylib (1238.120.2)
<702D0910-5C34-3D43-9631-8BD215DE4FE1> /usr/lib/system/
libsystem_symptoms.dylib
0x7fff6af62000 - 0x7fff6af78ff2 libsystem_trace.dylib (1147.120.1)
<BC141783-66D9-3137-A783-211B38E49ADB> /usr/lib/system/
libsystem_trace.dylib
0x7fff6af7a000 - 0x7fff6af7fff7 libunwind.dylib (35.4) <42B7B509-
BAFE-365B-893A-72414C92F5BF> /usr/lib/system/libunwind.dylib
0x7fff6af80000 - 0x7fff6afb5ffe libxpc.dylib (1738.140.3) <8DA7D88F-
AE2F-3BCF-8426-8D041E57A9AA> /usr/lib/system/libxpc.dylib

External Modification Summary:

Calls made by other processes targeting this process:

task_for_pid: 0
thread_create: 0
thread_set_state: 0

Calls made by this process:

task_for_pid: 0
thread_create: 0

```

thread_set_state: 0
Calls made by all processes on this machine:
task_for_pid: 131
thread_create: 0
thread_set_state: 0

```

VM Region Summary:

ReadOnly portion of Libraries: Total=825.7M resident=0K(0%)
swapped_out_or_unallocated=825.7M(100%)
Writable regions: Total=551.9M written=0K(0%) resident=0K(0%)
swapped_out=0K(0%) unallocated=551.9M(100%)

VIRTUAL REGION			
REGION TYPE	SIZE	COUNT (non-coalesced)	
Activity Tracing	256K	1	
Kernel Alloc Once	8K	1	
MALLOC	156.2M	16	
MALLOC guard page	16K	4	
MALLOC_NANO (reserved) (unallocated)	384.0M	1	reserved VM address space
STACK GUARD	56.0M	3	
Stack	9232K	3	
__DATA	47.5M	379	
__DATA_CONST	20K	1	
__FONT_DATA	4K	1	
__LINKEDIT	397.3M	33	
__OBJC_RO	32.3M	1	
__OBJC_RW	1908K	2	
__TEXT	428.5M	366	
__UNICODE	564K	1	
mapped file	29.3M	2	
shared memory	48K	6	
TOTAL	1.5G	821	
TOTAL, minus reserved VM space	1.1G	821	

Model: MacBookPro9,2, BootROM 429.0.0.0.0, 2 processors, Dual-Core Intel Core i5, 2.5 GHz, 16 GB, SMC 2.2f44

Graphics: kHW_IntelHD4000Item, Intel HD Graphics 4000, spdisplays_builtin

Memory Module: BANK 0/DIMM0, 8 GB, DDR3, 1600 MHz, 0x0198, 0x393955353432382D3031382E4130304C4620

Memory Module: BANK 1/DIMM0, 8 GB, DDR3, 1600 MHz, 0x0198, 0x393955353432382D3031382E4130304C4620

AirPort: spaairport_wireless_card_type_airport_extreme (0x14E4, 0xF5), Broadcom BCM43xx 1.0 (7.21.190.33 AirPortDriverBrcm4360-1601.1)

Bluetooth: Version 7.0.6f8, 3 services, 18 devices, 0 incoming serial ports

Network Service: Wi-Fi, AirPort, en1

Serial ATA Device: ADATA SU630, 240.06 GB

Serial ATA Device: HL-DT-ST DVDRW GS41N

USB Device: USB 2.0 Bus
USB Device: Hub
USB Device: FaceTime HD Camera (Built-in)
USB Device: USB 2.0 Bus
USB Device: Hub
USB Device: Hub
USB Device: Apple Internal Keyboard / Trackpad
USB Device: IR Receiver
USB Device: BRCM20702 Hub
USB Device: Bluetooth USB Host Controller
USB Device: USB 3.0 Bus
Thunderbolt Bus: MacBook Pro, Apple Inc., 25.1