

This crash happened after a Mac shutdown and startup. Simply opened an existing diagram...began to scroll down. Spinning wheel of death preceded a crash in 15-20 seconds.

Does anyone actually read these btws??? Does Logos get a copy??? What is the air-speed velocity of an unladen swallow???

I can be reached at [bryankent@icloud.com](mailto:bryankent@icloud.com) - or by message from an African swallow.

Process: Logos [711]  
Path: /Applications/Logos.app/Contents/MacOS/Logos  
Identifier: com.logos.Logos  
Version: 9.6.0.24 (62006.0.24)  
Code Type: X86-64 (Native)  
Parent Process: ??? [1]  
Responsible: Logos [711]  
User ID: 501

Date/Time: 2021-07-29 08:43:10.770 -0400  
OS Version: macOS 11.5 (20G71)  
Report Version: 12  
Anonymous UUID: 15E9E63F-3A8D-ADAB-69F4-1DA25D3B2165

Time Awake Since Boot: 520 seconds

System Integrity Protection: enabled

Crashed Thread: 0 tid\_103 Dispatch queue: com.apple.main-thread

Exception Type: EXC\_BAD\_INSTRUCTION (SIGABRT)  
Exception Codes: 0x0000000000000001, 0x0000000000000000  
Exception Note: EXC\_CORPSE\_NOTIFY

Application Specific Information:

Crashing on exception: The window has been marked as needing another Display Window pass, but it has already had more Display Window passes

than there are views in the window.

<TiledFrameWindow: 0x7f8aea81c490> 0x3d (61) {{132, 55}, {1548, 970}}

Matthew 3:1-17 en

abort() called

Application Specific Backtrace 1:

```
0 CoreFoundation          0x00007fff2066983b
__exceptionPreprocess + 242
1 libobjc.A.dylib         0x00007fff203a1d92 objc_exception_throw +
48
2 CoreFoundation          0x00007fff2066969f +[NSException
raise:format:] + 189
3 AppKit                  0x00007fff22e0e6a3 -
[NSWindow(NSDisplayCycle)
_postWindowNeedsDisplayUnlessPostingDisabled] + 1716
4 AppKit                  0x00007fff22e124ba -[NSView
setNeedsDisplayInRect:] + 262
5 AppKit                  0x00007fff22e12393 -[NSView
setNeedsDisplay:] + 52
6 ApplicationBundle       0x000000010eb96c97 -
[SentenceDiagramDiagramPanel mouseMoved:] + 390
7 LayoutKit               0x000000011bdb66ed -[Panel
sendFakeMouseEnteredOrExitedEventsWithMouseLocation:] + 1145
8 LayoutKit               0x000000011bdb6bbe -[Panel
updateTrackingAreas] + 527
9 AppKit                  0x00007fff236919de -[NSView
_updateTrackingAreasWithInvalidCursorRects:] + 124
10 AppKit                 0x00007fff23692210 -[NSView
_updateTrackingAreasWithInvalidCursorRects:] + 2222
11 AppKit                 0x00007fff23692210 -[NSView
_updateTrackingAreasWithInvalidCursorRects:] + 2222
12 AppKit                 0x00007fff23692210 -[NSView
_updateTrackingAreasWithInvalidCursorRects:] + 2222
13 AppKit                 0x00007fff22f37d35 -[NSScrollView
_updateTrackingAreasWithInvalidCursorRects:] + 134
14 AppKit                 0x00007fff23692210 -[NSView
_updateTrackingAreasWithInvalidCursorRects:] + 2222
15 AppKit                 0x00007fff23692210 -[NSView
_updateTrackingAreasWithInvalidCursorRects:] + 2222
16 AppKit                 0x00007fff23692210 -[NSView
_updateTrackingAreasWithInvalidCursorRects:] + 2222
```

17 AppKit 0x00007fff23692210 -[NSView  
 \_updateTrackingAreasWithInvalidCursorRects:] + 2222  
 18 AppKit 0x00007fff23692210 -[NSView  
 \_updateTrackingAreasWithInvalidCursorRects:] + 2222  
 19 AppKit 0x00007fff23692210 -[NSView  
 \_updateTrackingAreasWithInvalidCursorRects:] + 2222  
 20 AppKit 0x00007fff23692210 -[NSView  
 \_updateTrackingAreasWithInvalidCursorRects:] + 2222  
 21 AppKit 0x00007fff23692210 -[NSView  
 \_updateTrackingAreasWithInvalidCursorRects:] + 2222  
 22 AppKit 0x00007fff23692210 -[NSView  
 \_updateTrackingAreasWithInvalidCursorRects:] + 2222  
 23 AppKit 0x00007fff23692210 -[NSView  
 \_updateTrackingAreasWithInvalidCursorRects:] + 2222  
 24 AppKit 0x00007fff23692210 -[NSView  
 \_updateTrackingAreasWithInvalidCursorRects:] + 2222  
 25 AppKit 0x00007fff22ed4b31  
 \_NSWindowDisplayCycleUpdateStructuralRegions + 212  
 26 AppKit 0x00007fff22ecf99f  
 \_\_NSWindowGetDisplayCycleObserverForUpdateStructuralRegions\_block\_in  
 voke + 420  
 27 AppKit 0x00007fff22ec9235  
 NSDisplayCycleObserverInvoke + 155  
 28 AppKit 0x00007fff22ec8dc0 NSDisplayCycleFlush +  
 953  
 29 AppKit 0x00007fff22ed61b9 \_\_37+[NSDisplayCycle  
 currentDisplayCycle]\_block\_invoke.18 + 906  
 30 QuartzCore 0x00007fff26d5edf6  
 \_ZN2CA11Transaction19run\_commit\_handlersE18CATransactionPhase + 92  
 31 QuartzCore 0x00007fff26ec7e35  
 \_ZN2CA7Context18commit\_transactionEPNS\_11TransactionEdPd + 913  
 32 QuartzCore 0x00007fff26d5dcdf  
 \_ZN2CA11Transaction6commitEv + 713  
 33 AppKit 0x00007fff22f78bfc \_\_62+  
 [CATransaction(NSCATransaction)  
 NS\_setFlushesWithDisplayLink]\_block\_invoke + 285  
 34 AppKit 0x00007fff236ce4d3  
 \_\_NSRunLoopObserverCreateWithHandler\_block\_invoke + 41  
 35 CoreFoundation 0x00007fff205eed01  
 \_\_CFRUNLOOP\_IS\_CALLING\_OUT\_TO\_AN\_OBSERVER\_CALLBACK\_FUNCTION\_\_ + 23

```

36 CoreFoundation          0x00007fff205eeb95
__CFRunLoopDoObservers + 543
37 CoreFoundation          0x00007fff205ee028 __CFRunLoopRun +
841
38 CoreFoundation          0x00007fff205ed61c
CFRunLoopRunSpecific + 563
39 HIToolbox                0x00007fff28832a83
RunCurrentEventLoopInMode + 292
40 HIToolbox                0x00007fff288326b6
ReceiveNextEventCommon + 284
41 HIToolbox                0x00007fff28832583
_BlockUntilNextEventMatchingListInModeWithFilter + 70
42 AppKit                   0x00007fff22df4502 _DPSNextEvent + 864
43 AppKit                   0x00007fff22df2cd5 -[NSApplication(NSEvent)
_nextEventMatchingEventMask:untilDate:inMode:dequeue:] + 1364
44 AppKit                   0x00007fff22de5049 -[NSApplication run] +
586
45 Logos                    0x000000010c27faee DesktopApplicationMain +
1426
46 Logos                    0x000000010c27fbea main + 9
47 libdyld.dylib            0x00007fff20511f3d start + 1
48 ???                      0x0000000000000001 0x0 + 1

```

Thread 0 Crashed:: tid\_103 Dispatch queue: com.apple.main-thread

```

0 libsystem_kernel.dylib    0x00007fff204c792e __pthread_kill + 10
1 libsystem_pthread.dylib   0x00007fff204f65bd pthread_kill + 263
2 libsystem_c.dylib         0x00007fff2044b406 abort + 125
3 libmonosgen-2.0.1.dylib   0x000000010fe0d44e
mono_post_native_crash_handler + 14
4 libmonosgen-2.0.1.dylib   0x000000010fda8d4b
mono_handle_native_crash + 475
5 libmonosgen-2.0.1.dylib   0x000000010fd07160
mono_sigill_signal_handler + 80
6 libsystem_platform.dylib  0x00007fff2053bd7d _sigtramp + 29
7 ???                      0x00006000046b6e20 0 + 105553190415904
8 com.apple.AppKit          0x00007fff22f78e38 __62+
[CATransaction(NSCATransaction)
NS_setFlushesWithDisplayLink]_block_invoke + 857
9 com.apple.AppKit          0x00007fff236ce4d3
___NSRunLoopObserverCreateWithHandler_block_invoke + 41
10 com.apple.CoreFoundation 0x00007fff205eed01

```

```

__CFRUNLOOP_IS_CALLING_OUT_TO_AN_OBSERVER_CALLBACK_FUNCTION__ + 23
11 com.apple.CoreFoundation      0x00007fff205eeb95
__CFRunLoopDoObservers + 543
12 com.apple.CoreFoundation      0x00007fff205ee028 __CFRunLoopRun
+ 841
13 com.apple.CoreFoundation      0x00007fff205ed61c
CFRunLoopRunSpecific + 563
14 com.apple.HIToolbox           0x00007fff28832a83
RunCurrentEventLoopInMode + 292
15 com.apple.HIToolbox           0x00007fff288326b6
ReceiveNextEventCommon + 284
16 com.apple.HIToolbox           0x00007fff28832583
_BlockUntilNextEventMatchingListInModeWithFilter + 70
17 com.apple.AppKit              0x00007fff22df4502 _DPSNextEvent + 864
18 com.apple.AppKit              0x00007fff22df2cd5 -
[NSApplication(NSEvent)
_nextEventMatchingEventMask:untilDate:inMode:dequeue:] + 1364
19 com.apple.AppKit              0x00007fff22de5049 -[NSApplication run] +
586
20 com.logos.Logos               0x000000010c27faee
DesktopApplicationMain + 1426
21 com.logos.Logos               0x000000010c27fbea main + 9
22 libdyld.dylib                 0x00007fff20511f3d start + 1

```

Thread 1:: SGen worker

```

0 libsystem_kernel.dylib         0x00007fff204c3cde __psynch_cvwait + 10
1 libsystem_pthread.dylib        0x00007fff204f6e49 _pthread_cond_wait +
1298
2 libmonosgen-2.0.1.dylib        0x000000010ffe4991 thread_func + 449
3 libsystem_pthread.dylib        0x00007fff204f68fc _pthread_start + 224
4 libsystem_pthread.dylib        0x00007fff204f2443 thread_start + 15

```

Thread 2:: Finalizer

```

0 libsystem_kernel.dylib         0x00007fff204c12f6 semaphore_wait_trap +
10
1 libmonosgen-2.0.1.dylib        0x000000010ff9089f finalizer_thread + 287
2 libmonosgen-2.0.1.dylib        0x000000010ff3d9b8
start_wrapper_internal + 408
3 libmonosgen-2.0.1.dylib        0x000000010ff3d7f7 start_wrapper + 71
4 libsystem_pthread.dylib        0x00007fff204f68fc _pthread_start + 224

```

5 libsystem\_pthread.dylib 0x00007fff204f2443 thread\_start + 15

Thread 3:: com.apple.NSEventThread

0 libsystem\_kernel.dylib 0x00007fff204c12ba mach\_msg\_trap + 10

1 libsystem\_kernel.dylib 0x00007fff204c162c mach\_msg + 60

2 com.apple.CoreFoundation 0x00007fff205efb2f

\_\_CFRunLoopServiceMachPort + 316

3 com.apple.CoreFoundation 0x00007fff205ee20f \_\_CFRunLoopRun  
+ 1328

4 com.apple.CoreFoundation 0x00007fff205ed61c

CFRunLoopRunSpecific + 563

5 com.apple.AppKit 0x00007fff22f7a5ca \_NSEventThread + 124

6 libsystem\_pthread.dylib 0x00007fff204f68fc \_pthread\_start + 224

7 libsystem\_pthread.dylib 0x00007fff204f2443 thread\_start + 15

Thread 4:: Thread Pool Worker

0 libsystem\_kernel.dylib 0x00007fff204c130e

semaphore\_timedwait\_trap + 10

1 libmonosgen-2.0.1.dylib 0x000000010fe6db3c worker\_thread + 812

2 libmonosgen-2.0.1.dylib 0x000000010ff3d9b8

start\_wrapper\_internal + 408

3 libmonosgen-2.0.1.dylib 0x000000010ff3d7f7 start\_wrapper + 71

4 libsystem\_pthread.dylib 0x00007fff204f68fc \_pthread\_start + 224

5 libsystem\_pthread.dylib 0x00007fff204f2443 thread\_start + 15

Thread 5:: Thread Pool Worker

0 libsystem\_kernel.dylib 0x00007fff204c130e

semaphore\_timedwait\_trap + 10

1 libmonosgen-2.0.1.dylib 0x000000010fe6db3c worker\_thread + 812

2 libmonosgen-2.0.1.dylib 0x000000010ff3d9b8

start\_wrapper\_internal + 408

3 libmonosgen-2.0.1.dylib 0x000000010ff3d7f7 start\_wrapper + 71

4 libsystem\_pthread.dylib 0x00007fff204f68fc \_pthread\_start + 224

5 libsystem\_pthread.dylib 0x00007fff204f2443 thread\_start + 15

Thread 6:: Timer-Scheduler

0 libsystem\_kernel.dylib 0x00007fff204c3cde \_\_psynch\_cvwait + 10

1 libsystem\_pthread.dylib 0x00007fff204f6e7f \_pthread\_cond\_wait +  
1352

2 libmonosgen-2.0.1.dylib 0x000000010fff6411

mono\_os\_cond\_timedwait + 81

3	libmonosgen-2.0.1.dylib	0x000000010ff5b715	
	mono_w32handle_timedwait_signal_handle + 213		
4	libmonosgen-2.0.1.dylib	0x000000010ff5b5d6	
	mono_w32handle_wait_one + 758		
5	libmonosgen-2.0.1.dylib	0x000000010ff5b867	
	mono_w32handle_wait_multiple + 199		
6	libmonosgen-2.0.1.dylib	0x000000010ff372c1	
	ves_icall_System.Threading.WaitHandle.Wait_internal + 161		
7	libmonosgen-2.0.1.dylib	0x000000010fecb0cd	
	ves_icall_System.Threading.WaitHandle.Wait_internal_raw + 93		
8	???	0x000000012f0df558 0 + 5084411224	
9	???	0x000000012f0dea1b 0 + 5084408347	
10	???	0x00000001307475f7 0 + 5107906039	
11	???	0x000000012f0e0a2b 0 + 5084416555	
12	libmonosgen-2.0.1.dylib	0x000000010fd0a6f0	
	mono_jit_runtime_invoke + 1568		
13	libmonosgen-2.0.1.dylib	0x000000010ff11667	
	mono_runtime_invoke_checked + 135		
14	libmonosgen-2.0.1.dylib	0x000000010ff181ad	
	mono_runtime_delegate_try_invoke + 157		
15	libmonosgen-2.0.1.dylib	0x000000010ff3daa7	
	start_wrapper_internal + 647		
16	libmonosgen-2.0.1.dylib	0x000000010ff3d7f7	start_wrapper + 71
17	libsystem_pthread.dylib	0x00007fff204f68fc	_pthread_start + 224
18	libsystem_pthread.dylib	0x00007fff204f2443	thread_start + 15

Thread 7:: PreferencesManagerCore

0	libsystem_kernel.dylib	0x00007fff204c3cde	__psynch_cvwait + 10
1	libsystem_pthread.dylib	0x00007fff204f6e49	_pthread_cond_wait + 1298
2	libmonosgen-2.0.1.dylib	0x000000010fff642d	mono_os_cond_timedwait + 109
3	libmonosgen-2.0.1.dylib	0x000000010ff5b715	mono_w32handle_timedwait_signal_handle + 213
4	libmonosgen-2.0.1.dylib	0x000000010ff5b5d6	mono_w32handle_wait_one + 758
5	libmonosgen-2.0.1.dylib	0x000000010ff92159	ves_icall_System.Threading.Monitor.Monitor_wait + 457
6	libmonosgen-2.0.1.dylib	0x000000010fec95ce	ves_icall_System.Threading.Monitor.Monitor_wait_raw + 78
7	???	0x000000013092fe36 0 + 5109906998	

8 ??? 0x000000013092f72b 0 + 5109905195  
9 ??? 0x00000001307475f7 0 + 5107906039  
10 ??? 0x000000012f0e0a2b 0 + 5084416555  
11 libmonosgen-2.0.1.dylib 0x000000010fd0a6f0  
mono\_jit\_runtime\_invoke + 1568  
12 libmonosgen-2.0.1.dylib 0x000000010ff11667  
mono\_runtime\_invoke\_checked + 135  
13 libmonosgen-2.0.1.dylib 0x000000010ff181ad  
mono\_runtime\_delegate\_try\_invoke + 157  
14 libmonosgen-2.0.1.dylib 0x000000010ff3daa7  
start\_wrapper\_internal + 647  
15 libmonosgen-2.0.1.dylib 0x000000010ff3d7f7 start\_wrapper + 71  
16 libsystem\_pthread.dylib 0x00007fff204f68fc \_pthread\_start + 224  
17 libsystem\_pthread.dylib 0x00007fff204f2443 thread\_start + 15

Thread 8:: SynchronizationContextOperationManager

0 libsystem\_kernel.dylib 0x00007fff204c3cde \_\_psynch\_cvwait + 10  
1 libsystem\_pthread.dylib 0x00007fff204f6e49 \_pthread\_cond\_wait +  
1298  
2 libmonosgen-2.0.1.dylib 0x000000010fff642d  
mono\_os\_cond\_timedwait + 109  
3 libmonosgen-2.0.1.dylib 0x000000010ff5b715  
mono\_w32handle\_timedwait\_signal\_handle + 213  
4 libmonosgen-2.0.1.dylib 0x000000010ff5b5d6  
mono\_w32handle\_wait\_one + 758  
5 libmonosgen-2.0.1.dylib 0x000000010ff92159  
ves\_icall\_System.Threading\_Monitor\_Monitor\_wait + 457  
6 libmonosgen-2.0.1.dylib 0x000000010fec95ce  
ves\_icall\_System.Threading\_Monitor\_Monitor\_wait\_raw + 78  
7 ??? 0x000000013092fe36 0 + 5109906998  
8 ??? 0x000000013092f72b 0 + 5109905195  
9 ??? 0x00000001307475f7 0 + 5107906039  
10 ??? 0x000000012f0e0a2b 0 + 5084416555  
11 libmonosgen-2.0.1.dylib 0x000000010fd0a6f0  
mono\_jit\_runtime\_invoke + 1568  
12 libmonosgen-2.0.1.dylib 0x000000010ff11667  
mono\_runtime\_invoke\_checked + 135  
13 libmonosgen-2.0.1.dylib 0x000000010ff181ad  
mono\_runtime\_delegate\_try\_invoke + 157  
14 libmonosgen-2.0.1.dylib 0x000000010ff3daa7  
start\_wrapper\_internal + 647



15 libmonosgen-2.0.1.dylib 0x000000010ff3d7f7 start\_wrapper + 71  
16 libsystem\_pthread.dylib 0x00007fff204f68fc \_pthread\_start + 224  
17 libsystem\_pthread.dylib 0x00007fff204f2443 thread\_start + 15

Thread 9:: tid\_d003

0 libsystem\_kernel.dylib 0x00007fff204c79ca poll + 10  
1 ??? 0x0000000130bcc023 0 + 5112643619

Thread 10:: PreferencesManager

0 libsystem\_kernel.dylib 0x00007fff204c3cde \_\_psynch\_cvwait + 10  
1 libsystem\_pthread.dylib 0x00007fff204f6e49 \_pthread\_cond\_wait +  
1298  
2 libmonosgen-2.0.1.dylib 0x000000010fff642d  
mono\_os\_cond\_timedwait + 109  
3 libmonosgen-2.0.1.dylib 0x000000010ff5b715  
mono\_w32handle\_timedwait\_signal\_handle + 213  
4 libmonosgen-2.0.1.dylib 0x000000010ff5b5d6  
mono\_w32handle\_wait\_one + 758  
5 libmonosgen-2.0.1.dylib 0x000000010ff92159  
ves\_icall\_System.Threading\_Monitor\_Monitor\_wait + 457  
6 libmonosgen-2.0.1.dylib 0x000000010fec95ce  
ves\_icall\_System.Threading\_Monitor\_Monitor\_wait\_raw + 78  
7 ??? 0x000000013092fe36 0 + 5109906998  
8 ??? 0x000000013092f72b 0 + 5109905195  
9 ??? 0x00000001307475f7 0 + 5107906039  
10 ??? 0x000000012f0e0a2b 0 + 5084416555  
11 libmonosgen-2.0.1.dylib 0x000000010fd0a6f0  
mono\_jit\_runtime\_invoke + 1568  
12 libmonosgen-2.0.1.dylib 0x000000010ff11667  
mono\_runtime\_invoke\_checked + 135  
13 libmonosgen-2.0.1.dylib 0x000000010ff181ad  
mono\_runtime\_delegate\_try\_invoke + 157  
14 libmonosgen-2.0.1.dylib 0x000000010ff3daa7  
start\_wrapper\_internal + 647  
15 libmonosgen-2.0.1.dylib 0x000000010ff3d7f7 start\_wrapper + 71  
16 libsystem\_pthread.dylib 0x00007fff204f68fc \_pthread\_start + 224  
17 libsystem\_pthread.dylib 0x00007fff204f2443 thread\_start + 15

Thread 11:: tid\_11d03

0 libsystem\_kernel.dylib 0x00007fff204c3cde \_\_psynch\_cvwait + 10  
1 libsystem\_pthread.dylib 0x00007fff204f6e49 \_pthread\_cond\_wait +

1298

2	libmonosgen-2.0.1.dylib	0x000000010fff642d	
	mono_os_cond_timedwait + 109		
3	libmonosgen-2.0.1.dylib	0x000000010ff5b715	
	mono_w32handle_timedwait_signal_handle + 213		
4	libmonosgen-2.0.1.dylib	0x000000010ff5b5d6	
	mono_w32handle_wait_one + 758		
5	libmonosgen-2.0.1.dylib	0x000000010ff92159	
	ves_icall_System.Threading_Monitor_Monitor_wait + 457		
6	libmonosgen-2.0.1.dylib	0x000000010fec95ce	
	ves_icall_System.Threading_Monitor_Monitor_wait_raw + 78		
7	???	0x000000013092fe36	0 + 5109906998
8	???	0x000000013092f72b	0 + 5109905195
9	???	0x00000001307475f7	0 + 5107906039
10	???	0x000000012f0e0a2b	0 + 5084416555
11	libmonosgen-2.0.1.dylib	0x000000010fd0a6f0	
	mono_jit_runtime_invoke + 1568		
12	libmonosgen-2.0.1.dylib	0x000000010ff11667	
	mono_runtime_invoke_checked + 135		
13	libmonosgen-2.0.1.dylib	0x000000010ff181ad	
	mono_runtime_delegate_try_invoke + 157		
14	libmonosgen-2.0.1.dylib	0x000000010ff3daa7	
	start_wrapper_internal + 647		
15	libmonosgen-2.0.1.dylib	0x000000010ff3d7f7	start_wrapper + 71
16	libsystem_pthread.dylib	0x00007fff204f68fc	_pthread_start + 224
17	libsystem_pthread.dylib	0x00007fff204f2443	thread_start + 15

Thread 12:: Thread Pool I/O Selector

0	libsystem_kernel.dylib	0x00007fff204c9656	__select + 10
1	libmonosgen-2.0.1.dylib	0x000000010fff9329	mono_poll + 377
2	libmonosgen-2.0.1.dylib	0x000000010ff429dc	poll_event_wait + 220
3	libmonosgen-2.0.1.dylib	0x000000010ff422f1	selector_thread + 1313
4	libmonosgen-2.0.1.dylib	0x000000010ff3d9b8	
	start_wrapper_internal + 408		
5	libmonosgen-2.0.1.dylib	0x000000010ff3d7f7	start_wrapper + 71
6	libsystem_pthread.dylib	0x00007fff204f68fc	_pthread_start + 224
7	libsystem_pthread.dylib	0x00007fff204f2443	thread_start + 15

Thread 13:: LibraryCatalogResourceUse

0	libsystem_kernel.dylib	0x00007fff204c3cde	__psynch_cvwait + 10
1	libsystem_pthread.dylib	0x00007fff204f6e49	_pthread_cond_wait +

1298

2	libmonosgen-2.0.1.dylib	0x000000010fff642d	
	mono_os_cond_timedwait + 109		
3	libmonosgen-2.0.1.dylib	0x000000010ff5b715	
	mono_w32handle_timedwait_signal_handle + 213		
4	libmonosgen-2.0.1.dylib	0x000000010ff5b5d6	
	mono_w32handle_wait_one + 758		
5	libmonosgen-2.0.1.dylib	0x000000010ff92159	
	ves_icall_System.Threading_Monitor_Monitor_wait + 457		
6	libmonosgen-2.0.1.dylib	0x000000010fec95ce	
	ves_icall_System.Threading_Monitor_Monitor_wait_raw + 78		
7	???	0x000000013092fe36	0 + 5109906998
8	???	0x000000013092f72b	0 + 5109905195
9	???	0x00000001307475f7	0 + 5107906039
10	???	0x000000012f0e0a2b	0 + 5084416555
11	libmonosgen-2.0.1.dylib	0x000000010fd0a6f0	
	mono_jit_runtime_invoke + 1568		
12	libmonosgen-2.0.1.dylib	0x000000010ff11667	
	mono_runtime_invoke_checked + 135		
13	libmonosgen-2.0.1.dylib	0x000000010ff181ad	
	mono_runtime_delegate_try_invoke + 157		
14	libmonosgen-2.0.1.dylib	0x000000010ff3daa7	
	start_wrapper_internal + 647		
15	libmonosgen-2.0.1.dylib	0x000000010ff3d7f7	start_wrapper + 71
16	libsystem_pthread.dylib	0x00007fff204f68fc	_pthread_start + 224
17	libsystem_pthread.dylib	0x00007fff204f2443	thread_start + 15

Thread 14:: Thread Pool Worker

0	libsystem_kernel.dylib	0x00007fff204c130e	
	semaphore_timedwait_trap + 10		
1	libmonosgen-2.0.1.dylib	0x000000010fe6db3c	worker_thread + 812
2	libmonosgen-2.0.1.dylib	0x000000010ff3d9b8	
	start_wrapper_internal + 408		
3	libmonosgen-2.0.1.dylib	0x000000010ff3d7f7	start_wrapper + 71
4	libsystem_pthread.dylib	0x00007fff204f68fc	_pthread_start + 224
5	libsystem_pthread.dylib	0x00007fff204f2443	thread_start + 15

Thread 15:: SyncManager

0	libsystem_kernel.dylib	0x00007fff204c3cde	__psynch_cvwait + 10
1	libsystem_pthread.dylib	0x00007fff204f6e7f	_pthread_cond_wait + 1352

2 libmonosgen-2.0.1.dylib 0x000000010fff6411  
mono\_os\_cond\_timedwait + 81  
3 libmonosgen-2.0.1.dylib 0x000000010ff5b715  
mono\_w32handle\_timedwait\_signal\_handle + 213  
4 libmonosgen-2.0.1.dylib 0x000000010ff5b5d6  
mono\_w32handle\_wait\_one + 758  
5 libmonosgen-2.0.1.dylib 0x000000010ff92159  
ves\_icall\_System.Threading\_Monitor\_Monitor\_wait + 457  
6 libmonosgen-2.0.1.dylib 0x000000010fec95ce  
ves\_icall\_System.Threading\_Monitor\_Monitor\_wait\_raw + 78  
7 ??? 0x000000013092fe36 0 + 5109906998  
8 ??? 0x000000013092f72b 0 + 5109905195  
9 ??? 0x00000001307475f7 0 + 5107906039  
10 ??? 0x000000012f0e0a2b 0 + 5084416555  
11 libmonosgen-2.0.1.dylib 0x000000010fd0a6f0  
mono\_jit\_runtime\_invoke + 1568  
12 libmonosgen-2.0.1.dylib 0x000000010ff11667  
mono\_runtime\_invoke\_checked + 135  
13 libmonosgen-2.0.1.dylib 0x000000010ff181ad  
mono\_runtime\_delegate\_try\_invoke + 157  
14 libmonosgen-2.0.1.dylib 0x000000010ff3daa7  
start\_wrapper\_internal + 647  
15 libmonosgen-2.0.1.dylib 0x000000010ff3d7f7 start\_wrapper + 71  
16 libsystem\_pthread.dylib 0x00007fff204f68fc \_pthread\_start + 224  
17 libsystem\_pthread.dylib 0x00007fff204f2443 thread\_start + 15

Thread 16:: CommunityClient

0 libsystem\_kernel.dylib 0x00007fff204c3cde \_\_psynch\_cvwait + 10  
1 libsystem\_pthread.dylib 0x00007fff204f6e7f \_pthread\_cond\_wait +  
1352  
2 libmonosgen-2.0.1.dylib 0x000000010fff6411  
mono\_os\_cond\_timedwait + 81  
3 libmonosgen-2.0.1.dylib 0x000000010ff5b715  
mono\_w32handle\_timedwait\_signal\_handle + 213  
4 libmonosgen-2.0.1.dylib 0x000000010ff5b5d6  
mono\_w32handle\_wait\_one + 758  
5 libmonosgen-2.0.1.dylib 0x000000010ff92159  
ves\_icall\_System.Threading\_Monitor\_Monitor\_wait + 457  
6 libmonosgen-2.0.1.dylib 0x000000010fec95ce  
ves\_icall\_System.Threading\_Monitor\_Monitor\_wait\_raw + 78  
7 ??? 0x000000013092fe36 0 + 5109906998

8 ??? 0x000000013092f72b 0 + 5109905195  
9 ??? 0x0000000130747636 0 + 5107906102  
10 ??? 0x000000012f0e0a2b 0 + 5084416555  
11 libmonosgen-2.0.1.dylib 0x000000010fd0a6f0  
mono\_jit\_runtime\_invoke + 1568  
12 libmonosgen-2.0.1.dylib 0x000000010ff11667  
mono\_runtime\_invoke\_checked + 135  
13 libmonosgen-2.0.1.dylib 0x000000010ff181ad  
mono\_runtime\_delegate\_try\_invoke + 157  
14 libmonosgen-2.0.1.dylib 0x000000010ff3daa7  
start\_wrapper\_internal + 647  
15 libmonosgen-2.0.1.dylib 0x000000010ff3d7f7 start\_wrapper + 71  
16 libsystem\_pthread.dylib 0x00007fff204f68fc \_pthread\_start + 224  
17 libsystem\_pthread.dylib 0x00007fff204f2443 thread\_start + 15

Thread 17:: tid\_e503

0 libsystem\_kernel.dylib 0x00007fff204c3cde \_\_psynch\_cvwait + 10  
1 libsystem\_pthread.dylib 0x00007fff204f6e49 \_pthread\_cond\_wait +  
1298  
2 libmonosgen-2.0.1.dylib 0x000000010fff642d  
mono\_os\_cond\_timedwait + 109  
3 libmonosgen-2.0.1.dylib 0x000000010ff5b715  
mono\_w32handle\_timedwait\_signal\_handle + 213  
4 libmonosgen-2.0.1.dylib 0x000000010ff5b5d6  
mono\_w32handle\_wait\_one + 758  
5 libmonosgen-2.0.1.dylib 0x000000010ff92159  
ves\_icall\_System.Threading\_Monitor\_Monitor\_wait + 457  
6 libmonosgen-2.0.1.dylib 0x000000010fec95ce  
ves\_icall\_System.Threading\_Monitor\_Monitor\_wait\_raw + 78  
7 ??? 0x000000013092fe36 0 + 5109906998  
8 ??? 0x000000013092f72b 0 + 5109905195  
9 ??? 0x00000001307475f7 0 + 5107906039  
10 ??? 0x000000012f0e0a2b 0 + 5084416555  
11 libmonosgen-2.0.1.dylib 0x000000010fd0a6f0  
mono\_jit\_runtime\_invoke + 1568  
12 libmonosgen-2.0.1.dylib 0x000000010ff11667  
mono\_runtime\_invoke\_checked + 135  
13 libmonosgen-2.0.1.dylib 0x000000010ff181ad  
mono\_runtime\_delegate\_try\_invoke + 157  
14 libmonosgen-2.0.1.dylib 0x000000010ff3daa7  
start\_wrapper\_internal + 647

15	libmonosgen-2.0.1.dylib	0x000000010ff3d7f7	start_wrapper + 71
16	libsystem_pthread.dylib	0x00007fff204f68fc	_pthread_start + 224
17	libsystem_pthread.dylib	0x00007fff204f2443	thread_start + 15

Thread 18:: tid\_e703

0	libsystem_kernel.dylib	0x00007fff204c3cde	__psynch_cvwait + 10
1	libsystem_pthread.dylib	0x00007fff204f6e49	_pthread_cond_wait + 1298
2	libmonosgen-2.0.1.dylib	0x000000010fff642d	mono_os_cond_timedwait + 109
3	libmonosgen-2.0.1.dylib	0x000000010ff5b715	mono_w32handle_timedwait_signal_handle + 213
4	libmonosgen-2.0.1.dylib	0x000000010ff5b5d6	mono_w32handle_wait_one + 758
5	libmonosgen-2.0.1.dylib	0x000000010ff92159	ves_icall_System.Threading_Monitor_Monitor_wait + 457
6	libmonosgen-2.0.1.dylib	0x000000010fec95ce	ves_icall_System.Threading_Monitor_Monitor_wait_raw + 78
7	???	0x000000013092fe36	0 + 5109906998
8	???	0x000000013092f72b	0 + 5109905195
9	???	0x00000001307475f7	0 + 5107906039
10	???	0x000000012f0e0a2b	0 + 5084416555
11	libmonosgen-2.0.1.dylib	0x000000010fd0a6f0	mono_jit_runtime_invoke + 1568
12	libmonosgen-2.0.1.dylib	0x000000010ff11667	mono_runtime_invoke_checked + 135
13	libmonosgen-2.0.1.dylib	0x000000010ff181ad	mono_runtime_delegate_try_invoke + 157
14	libmonosgen-2.0.1.dylib	0x000000010ff3daa7	start_wrapper_internal + 647
15	libmonosgen-2.0.1.dylib	0x000000010ff3d7f7	start_wrapper + 71
16	libsystem_pthread.dylib	0x00007fff204f68fc	_pthread_start + 224
17	libsystem_pthread.dylib	0x00007fff204f2443	thread_start + 15

Thread 19:: ResourceViewTracker

0	libsystem_kernel.dylib	0x00007fff204c3cde	__psynch_cvwait + 10
1	libsystem_pthread.dylib	0x00007fff204f6e7f	_pthread_cond_wait + 1352
2	libmonosgen-2.0.1.dylib	0x000000010fff6411	mono_os_cond_timedwait + 81
3	libmonosgen-2.0.1.dylib	0x000000010ff5b715	

mono\_w32handle\_timedwait\_signal\_handle + 213  
4 libmonosgen-2.0.1.dylib 0x000000010ff5b5d6  
mono\_w32handle\_wait\_one + 758  
5 libmonosgen-2.0.1.dylib 0x000000010ff92159  
ves\_icall\_System.Threading\_Monitor\_Monitor\_wait + 457  
6 libmonosgen-2.0.1.dylib 0x000000010fec95ce  
ves\_icall\_System.Threading\_Monitor\_Monitor\_wait\_raw + 78  
7 ??? 0x000000013092fe36 0 + 5109906998  
8 ??? 0x000000013092f72b 0 + 5109905195  
9 ??? 0x00000001307475f7 0 + 5107906039  
10 ??? 0x000000012f0e0a2b 0 + 5084416555  
11 libmonosgen-2.0.1.dylib 0x000000010fd0a6f0  
mono\_jit\_runtime\_invoke + 1568  
12 libmonosgen-2.0.1.dylib 0x000000010ff11667  
mono\_runtime\_invoke\_checked + 135  
13 libmonosgen-2.0.1.dylib 0x000000010ff181ad  
mono\_runtime\_delegate\_try\_invoke + 157  
14 libmonosgen-2.0.1.dylib 0x000000010ff3daa7  
start\_wrapper\_internal + 647  
15 libmonosgen-2.0.1.dylib 0x000000010ff3d7f7 start\_wrapper + 71  
16 libsystem\_pthread.dylib 0x00007fff204f68fc \_pthread\_start + 224  
17 libsystem\_pthread.dylib 0x00007fff204f2443 thread\_start + 15

Thread 20:: LocalSqlCache

0 libsystem\_kernel.dylib 0x00007fff204c3cde \_\_psynch\_cvwait + 10  
1 libsystem\_pthread.dylib 0x00007fff204f6e49 \_pthread\_cond\_wait +  
1298  
2 libmonosgen-2.0.1.dylib 0x000000010fff642d  
mono\_os\_cond\_timedwait + 109  
3 libmonosgen-2.0.1.dylib 0x000000010ff5b715  
mono\_w32handle\_timedwait\_signal\_handle + 213  
4 libmonosgen-2.0.1.dylib 0x000000010ff5b5d6  
mono\_w32handle\_wait\_one + 758  
5 libmonosgen-2.0.1.dylib 0x000000010ff92159  
ves\_icall\_System.Threading\_Monitor\_Monitor\_wait + 457  
6 libmonosgen-2.0.1.dylib 0x000000010fec95ce  
ves\_icall\_System.Threading\_Monitor\_Monitor\_wait\_raw + 78  
7 ??? 0x000000013092fe36 0 + 5109906998  
8 ??? 0x000000013092f72b 0 + 5109905195  
9 ??? 0x00000001307475f7 0 + 5107906039  
10 ??? 0x000000012f0e0a2b 0 + 5084416555

11 libmonosgen-2.0.1.dylib 0x000000010fd0a6f0  
mono\_jit\_runtime\_invoke + 1568  
12 libmonosgen-2.0.1.dylib 0x000000010ff11667  
mono\_runtime\_invoke\_checked + 135  
13 libmonosgen-2.0.1.dylib 0x000000010ff181ad  
mono\_runtime\_delegate\_try\_invoke + 157  
14 libmonosgen-2.0.1.dylib 0x000000010ff3daa7  
start\_wrapper\_internal + 647  
15 libmonosgen-2.0.1.dylib 0x000000010ff3d7f7 start\_wrapper + 71  
16 libsystem\_pthread.dylib 0x00007fff204f68fc \_pthread\_start + 224  
17 libsystem\_pthread.dylib 0x00007fff204f2443 thread\_start + 15

Thread 21:: Thread Pool Worker

0 libsystem\_kernel.dylib 0x00007fff204c130e  
semaphore\_timedwait\_trap + 10  
1 libmonosgen-2.0.1.dylib 0x000000010fe6db3c worker\_thread + 812  
2 libmonosgen-2.0.1.dylib 0x000000010ff3d9b8  
start\_wrapper\_internal + 408  
3 libmonosgen-2.0.1.dylib 0x000000010ff3d7f7 start\_wrapper + 71  
4 libsystem\_pthread.dylib 0x00007fff204f68fc \_pthread\_start + 224  
5 libsystem\_pthread.dylib 0x00007fff204f2443 thread\_start + 15

Thread 22:: V8 WorkerThread

0 libsystem\_kernel.dylib 0x00007fff204c12f6 semaphore\_wait\_trap +  
10  
1 libV8Helper.dylib 0x0000000135749937  
v8::base::Semaphore::Wait() + 23  
2 libV8Helper.dylib 0x0000000135753b80  
v8::platform::TaskQueue::GetNext() + 64  
3 libV8Helper.dylib 0x0000000135756559  
v8::platform::WorkerThread::Run() + 89  
4 libV8Helper.dylib 0x000000013574cd07  
v8::base::ThreadEntry(void\*) + 87  
5 libsystem\_pthread.dylib 0x00007fff204f68fc \_pthread\_start + 224  
6 libsystem\_pthread.dylib 0x00007fff204f2443 thread\_start + 15

Thread 23:: V8 WorkerThread

0 libsystem\_kernel.dylib 0x00007fff204c12f6 semaphore\_wait\_trap +  
10  
1 libV8Helper.dylib 0x0000000135749937  
v8::base::Semaphore::Wait() + 23



2 libV8Helper.dylib 0x0000000135753b80  
v8::platform::TaskQueue::GetNext() + 64  
3 libV8Helper.dylib 0x0000000135756559  
v8::platform::WorkerThread::Run() + 89  
4 libV8Helper.dylib 0x000000013574cd07  
v8::base::ThreadEntry(void\*) + 87  
5 libsystem\_pthread.dylib 0x00007fff204f68fc \_pthread\_start + 224  
6 libsystem\_pthread.dylib 0x00007fff204f2443 thread\_start + 15

Thread 24:: V8 WorkerThread

0 libsystem\_kernel.dylib 0x00007fff204c12f6 semaphore\_wait\_trap + 10  
1 libV8Helper.dylib 0x0000000135749937  
v8::base::Semaphore::Wait() + 23  
2 libV8Helper.dylib 0x0000000135753b80  
v8::platform::TaskQueue::GetNext() + 64  
3 libV8Helper.dylib 0x0000000135756559  
v8::platform::WorkerThread::Run() + 89  
4 libV8Helper.dylib 0x000000013574cd07  
v8::base::ThreadEntry(void\*) + 87  
5 libsystem\_pthread.dylib 0x00007fff204f68fc \_pthread\_start + 224  
6 libsystem\_pthread.dylib 0x00007fff204f2443 thread\_start + 15

Thread 25:: com.apple.coreaudio.AQClient

0 libsystem\_kernel.dylib 0x00007fff204c12ba mach\_msg\_trap + 10  
1 libsystem\_kernel.dylib 0x00007fff204c162c mach\_msg + 60  
2 com.apple.CoreFoundation 0x00007fff205efb2f  
\_\_CFRunLoopServiceMachPort + 316  
3 com.apple.CoreFoundation 0x00007fff205ee20f \_\_CFRunLoopRun  
+ 1328  
4 com.apple.CoreFoundation 0x00007fff205ed61c  
CFRunLoopRunSpecific + 563  
5 com.apple.audio.toolbox.AudioToolbox 0x00007fff2cd52fa4  
GenericRunLoopThread::Entry(void\*) + 166  
6 libAudioToolboxUtility.dylib 0x00007fff2bd6b2f5  
CADeprecated::CAPThread::Entry(CADeprecated::CAPThread\*) + 77  
7 libsystem\_pthread.dylib 0x00007fff204f68fc \_pthread\_start + 224  
8 libsystem\_pthread.dylib 0x00007fff204f2443 thread\_start + 15

Thread 26:

0 libsystem\_kernel.dylib 0x00007fff204c12f6 semaphore\_wait\_trap +

10

```
1 com.apple.audio.caulk      0x00007fff285b28da
caulk::mach::semaphore::wait_or_error() + 16
2 com.apple.audio.caulk      0x00007fff2859f836
caulk::semaphore::timed_wait(double) + 110
3 com.apple.audio.caulk      0x00007fff2859f784
caulk::concurrent::details::worker_thread::run() + 30
4 com.apple.audio.caulk      0x00007fff2859f502 void*
caulk::thread_proxy<std::__1::tuple<caulk::thread::attributes, void
(caulk::concurrent::details::worker_thread::*)()>,
std::__1::tuple<caulk::concurrent::details::worker_thread*> > >(void*) + 45
5 libsystem_pthread.dylib     0x00007fff204f68fc _pthread_start + 224
6 libsystem_pthread.dylib     0x00007fff204f2443 thread_start + 15
```

Thread 27:: AMCP Logging Spool

```
0 libsystem_kernel.dylib     0x00007fff204c12f6 semaphore_wait_trap +
10
1 com.apple.audio.caulk      0x00007fff285b28da
caulk::mach::semaphore::wait_or_error() + 16
2 com.apple.audio.caulk      0x00007fff2859f836
caulk::semaphore::timed_wait(double) + 110
3 com.apple.audio.caulk      0x00007fff2859f784
caulk::concurrent::details::worker_thread::run() + 30
4 com.apple.audio.caulk      0x00007fff2859f502 void*
caulk::thread_proxy<std::__1::tuple<caulk::thread::attributes, void
(caulk::concurrent::details::worker_thread::*)()>,
std::__1::tuple<caulk::concurrent::details::worker_thread*> > >(void*) + 45
5 libsystem_pthread.dylib     0x00007fff204f68fc _pthread_start + 224
6 libsystem_pthread.dylib     0x00007fff204f2443 thread_start + 15
```

Thread 28:: UserEventManager

```
0 libsystem_kernel.dylib     0x00007fff204c3cde __psynch_cvwait + 10
1 libsystem_pthread.dylib     0x00007fff204f6e7f _pthread_cond_wait +
1352
2 libmonosgen-2.0.1.dylib     0x000000010fff6411
mono_os_cond_timedwait + 81
3 libmonosgen-2.0.1.dylib     0x000000010ff5b715
mono_w32handle_timedwait_signal_handle + 213
4 libmonosgen-2.0.1.dylib     0x000000010ff5b5d6
mono_w32handle_wait_one + 758
5 libmonosgen-2.0.1.dylib     0x000000010ff92159
```

ves\_icall\_System.Threading\_Monitor\_Monitor\_wait + 457  
6 libmonosgen-2.0.1.dylib 0x000000010fec95ce  
ves\_icall\_System.Threading\_Monitor\_Monitor\_wait\_raw + 78  
7 ??? 0x000000013092fe36 0 + 5109906998  
8 ??? 0x000000013092f72b 0 + 5109905195  
9 ??? 0x00000001307475f7 0 + 5107906039  
10 ??? 0x000000012f0e0a2b 0 + 5084416555  
11 libmonosgen-2.0.1.dylib 0x000000010fd0a6f0  
mono\_jit\_runtime\_invoke + 1568  
12 libmonosgen-2.0.1.dylib 0x000000010ff11667  
mono\_runtime\_invoke\_checked + 135  
13 libmonosgen-2.0.1.dylib 0x000000010ff181ad  
mono\_runtime\_delegate\_try\_invoke + 157  
14 libmonosgen-2.0.1.dylib 0x000000010ff3daa7  
start\_wrapper\_internal + 647  
15 libmonosgen-2.0.1.dylib 0x000000010ff3d7f7 start\_wrapper + 71  
16 libsystem\_pthread.dylib 0x00007fff204f68fc \_pthread\_start + 224  
17 libsystem\_pthread.dylib 0x00007fff204f2443 thread\_start + 15

Thread 29:

0 libsystem\_pthread.dylib 0x00007fff204f2420 start\_wqthread + 0

Thread 30:: tid\_3713

0 libsystem\_kernel.dylib 0x00007fff204c3cde \_\_psynch\_cvwait + 10  
1 libsystem\_pthread.dylib 0x00007fff204f6e7f \_pthread\_cond\_wait +  
1352  
2 libmonosgen-2.0.1.dylib 0x000000010fff6411  
mono\_os\_cond\_timedwait + 81  
3 libmonosgen-2.0.1.dylib 0x00000001100024f6  
mono\_thread\_info\_sleep + 614  
4 libmonosgen-2.0.1.dylib 0x000000010fe6d5f4 monitor\_thread + 996  
5 libmonosgen-2.0.1.dylib 0x000000010ff3d9b8  
start\_wrapper\_internal + 408  
6 libmonosgen-2.0.1.dylib 0x000000010ff3d7f7 start\_wrapper + 71  
7 libsystem\_pthread.dylib 0x00007fff204f68fc \_pthread\_start + 224  
8 libsystem\_pthread.dylib 0x00007fff204f2443 thread\_start + 15

Thread 31:

0 libsystem\_pthread.dylib 0x00007fff204f2420 start\_wqthread + 0

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

rax: 0x0000000000000000 rbx: 0x0000000110757e00 rcx:  
0x00007fffe3980968 rdx: 0x0000000000000000  
rdi: 0x0000000000000103 rsi: 0x0000000000000006 rbp:  
0x00007fffe3980990 rsp: 0x00007fffe3980968  
r8: 0x00007fffe3980338 r9: 0x00007fffe39805b0 r10:  
0x0000000000000000 r11: 0x0000000000000246  
r12: 0x0000000000000103 r13: 0x00007f8ae552a000 r14:  
0x0000000000000006 r15: 0x0000000000000016  
rip: 0x00007fff204c792e rfl: 0x0000000000000246 cr2:  
0x00007fda4c6ae000

Logical CPU: 0  
Error Code: 0x02000148  
Trap Number: 133

Thread 0 instruction stream:

```
00 e8 60 65 7b 00 48 8b-35 6b a0 a3 5d 48 8b 1d ..`e{.H.5k..]H..  
d4 f4 25 64 4c 89 f7 ff-d3 48 8d 3d 70 55 29 64 ..%dL....H.=pU)d  
48 89 c6 31 c0 e8 b5 13-e2 ff 4c 89 f7 4c 89 fe H..1.....L..L..  
ff d3 48 8b 35 57 d9 a3-5d 48 8d 15 b0 45 29 64 ..H.5W..]H...E)d  
48 89 c7 ff 15 9f f4 25-64 48 8b 35 f0 8f a3 5d H.....%dH.5...]  
48 89 c7 ff 15 8f f4 25-64 48 89 05 48 73 a9 5d H.....%dH..Hs.]  
[0f]0b 48 89 c7 e8 72 6a-7b 00 31 ff 31 f6 31 c0 ..H...rj{.1.1.1. <==  
e8 6a 13 e2 ff e8 92 6a-7b 00 0f 0b 48 89 c3 e8 .j.....j{...H...  
7c 6a 7b 00 48 89 df e8-de 63 7b 00 0f 0b e8 69 |j{.H....c{....i  
6b 7b 00 55 48 89 e5 41-57 41 56 41 55 41 54 53 k{.UH..AWAVAUATS  
48 83 ec 78 4d 89 c4 f2-0f 11 8d 70 ff ff ff f2 H..xM.....p....  
0f 11 85 78 ff ff ff 49-89 cd 48 89 d3 48 8b 35 ...x...l..H..H.5
```

Thread 0 last branch register state not available.

Binary Images:

0x10c27d000 - 0x10c27ffff +com.logos.Logos (9.6.0.24 -  
62006.0.24) <695CA534-32A8-3DA2-A8BA-6F896835177F> /Applications/  
Logos.app/Contents/MacOS/Logos  
0x10e8bd000 - 0x10f019fff +com.logos.ApplicationBundle (9.6.0.24  
- 62006.0.24) <B3B80FA8-FE8A-3FF2-A26D-90C10D411401> /Applications/  
Logos.app/Contents/Frameworks/FaithlifeDesktop.framework/Versions/  
9.6.0.24/Frameworks/ApplicationBundle.framework/Versions/A/  
ApplicationBundle

0x10fcfa000 - 0x1100e7fff +libmonosgen-2.0.1.dylib (0)  
<0C5997DB-1E45-3CC1-AAD3-BC224BB5869F> /Applications/Logos.app/  
Contents/Frameworks/FaithlifeDesktop.framework/Versions/9.6.0.24/  
Frameworks/ApplicationBundle.framework/Versions/A/Resources/lib/  
libmonosgen-2.0.1.dylib

0x110275000 - 0x1102e3fff +libfreetype.6.dylib (0)  
<0F374DCD-4947-3C3E-811D-449F0F22761F> /Applications/Logos.app/  
Contents/Frameworks/FaithlifeDesktop.framework/Versions/9.6.0.24/  
Frameworks/ApplicationBundle.framework/Versions/A/Resources/lib/  
libfreetype.6.dylib

0x110300000 - 0x110401fff +libicui18n.52.1.dylib (0)  
<BF087B3B-6C4E-313B-8BB5-FC4C21F77354> /Applications/Logos.app/  
Contents/Frameworks/FaithlifeDesktop.framework/Versions/9.6.0.24/  
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libicui18n.52.1.dylib

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<33EB75F0-68AE-3C16-89D4-B7F9373FAF7A> /Applications/Logos.app/  
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Frameworks/ApplicationBundle.framework/Versions/A/Resources/lib/  
libicuuc.52.1.dylib

0x1105ee000 - 0x11060afff +libSinailInterop.dylib (0) <73E05360-  
EFA2-3F6F-A248-D20A9E711482> /Applications/Logos.app/Contents/  
Frameworks/FaithlifeDesktop.framework/Versions/9.6.0.24/Frameworks/  
ApplicationBundle.framework/Versions/A/Resources/lib/libSinailInterop.dylib

0x110666000 - 0x110666fff +libharfbuzz-icu.0.dylib (0)  
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Contents/Frameworks/FaithlifeDesktop.framework/Versions/9.6.0.24/  
Frameworks/ApplicationBundle.framework/Versions/A/Resources/lib/  
libharfbuzz-icu.0.dylib

0x11066e000 - 0x110672fff +com.logos.MarshalUtility (9.6.0.24 -  
62006.0.24) <3F251061-D651-3BED-AABF-F8313E474660> /Applications/  
Logos.app/Contents/Frameworks/FaithlifeDesktop.framework/Versions/  
9.6.0.24/Frameworks/ApplicationBundle.framework/Versions/A/Frameworks/  
MarshalUtility.framework/Versions/A/MarshalUtility

0x110680000 - 0x11071bfff dyld (852.2) <57DB2053-  
BFD5-3683-97C6-F1DB2A1F1D09> /usr/lib/dyld

0x110798000 - 0x111033fff +libicudata.52.1.dylib (0) <FDC3821C-  
FC50-3B3F-9CEB-58B68F75A070> /Applications/Logos.app/Contents/  
Frameworks/FaithlifeDesktop.framework/Versions/9.6.0.24/Frameworks/  
ApplicationBundle.framework/Versions/A/Resources/lib/libicudata.52.1.dylib

0x111055000 - 0x1110ddfff +libsqlite3.25.3.dylib (0)

<1C8A456F-0668-3BC9-8BAF-DF5D8CD3361D> /Applications/Logos.app/  
Contents/Frameworks/FaithlifeDesktop.framework/Versions/9.6.0.24/  
Frameworks/ApplicationBundle.framework/Versions/A/Resources/lib/  
libsqlite3.25.3.dylib

0x1110fa000 - 0x1111a9fff +libSinaiBookBuilderAndIndexer.dylib (0)  
<9FDCDD96-7BB2-30ED-8EEC-824F038F2F9E> /Applications/Logos.app/  
Contents/Frameworks/FaithlifeDesktop.framework/Versions/9.6.0.24/  
Frameworks/ApplicationBundle.framework/Versions/A/Resources/lib/  
libSinaiBookBuilderAndIndexer.dylib

0x1112bf000 - 0x111343fff +libSinaiCommon.dylib (0) <50A33685-  
A908-3B56-8A75-807AA60F4650> /Applications/Logos.app/Contents/  
Frameworks/FaithlifeDesktop.framework/Versions/9.6.0.24/Frameworks/  
ApplicationBundle.framework/Versions/A/Resources/lib/libSinaiCommon.dylib

0x111491000 - 0x11184cfff +libSinaiLayout.dylib (0)  
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Frameworks/ApplicationBundle.framework/Versions/A/Resources/lib/  
libSinaiLayout.dylib

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Contents/Frameworks/FaithlifeDesktop.framework/Versions/9.6.0.24/  
Frameworks/ApplicationBundle.framework/Versions/A/Resources/lib/  
libSinaiResource.dylib

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C38F-36B8-B2A5-14F3A7F0593B> /Applications/Logos.app/Contents/  
Frameworks/FaithlifeDesktop.framework/Versions/9.6.0.24/Frameworks/  
ApplicationBundle.framework/Versions/A/Resources/lib/libharfbuzz.0.dylib

0x1120da000 - 0x11b1e2fff +org.chromium.ContentShell.framework  
(87.1.11.0 - 11.0) <E010543B-F517-3A44-A546-A50D18DD9F39> /  
Applications/Logos.app/Contents/Frameworks/FaithlifeDesktop.framework/  
Versions/9.6.0.24/Frameworks/ApplicationBundle.framework/Versions/A/  
Frameworks/Chromium Embedded Framework.framework/Versions/A/  
Chromium Embedded Framework

0x11bd81000 - 0x11bd90fff +com.logos.CrashReporter (1.0.2 - 1.0.2)  
<86404A4F-F77A-3ADB-B665-496CEEA196DD> /Applications/Logos.app/  
Contents/Frameworks/FaithlifeDesktop.framework/Versions/9.6.0.24/  
Frameworks/ApplicationBundle.framework/Versions/A/Frameworks/  
CrashReporter.framework/Versions/A/CrashReporter

0x11bda2000 - 0x11be51fff +com.logos.LayoutKit (9.6.0.24 -  
62006.0.24) <BCB36307-231C-3823-B281-FB922A35F0E9> /Applications/  
Logos.app/Contents/Frameworks/FaithlifeDesktop.framework/Versions/

9.6.0.24/Frameworks/ApplicationBundle.framework/Versions/A/Frameworks/LayoutKit.framework/Versions/A/LayoutKit

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Contents/Frameworks/FaithlifeDesktop.framework/Versions/9.6.0.24/  
Frameworks/ApplicationBundle.framework/Versions/A/Resources/lib/  
libLogosWrappers.dylib

0x11fbd2000 - 0x11fbebfff +com.logos.MonoHost (9.6.0.24 -  
62006.0.24) <257BC70F-B948-37A4-8179-DA11DA5AA33F> /Applications/  
Logos.app/Contents/Frameworks/FaithlifeDesktop.framework/Versions/  
9.6.0.24/Frameworks/ApplicationBundle.framework/Versions/A/Frameworks/  
MonoHost.framework/Versions/A/MonoHost

0x11fc1c000 - 0x11fc28fff +com.growl.growlframework (1.2.1 - 1.2.1)  
<40462CEC-EE57-4FAD-A138-221D365DC5E4> /Applications/Logos.app/  
Contents/Frameworks/FaithlifeDesktop.framework/Versions/9.6.0.24/  
Frameworks/ApplicationBundle.framework/Versions/A/Frameworks/  
Growl.framework/Versions/A/Growl

0x11fc39000 - 0x11fc54fff +net.sourceforge.appscript.objc-  
appscript (0.1.0) <4F3EB79A-1D1D-36EE-9E3E-7184819F32A2> /  
Applications/Logos.app/Contents/Frameworks/FaithlifeDesktop.framework/  
Versions/9.6.0.24/Frameworks/ApplicationBundle.framework/Versions/A/  
Frameworks/Appscript.framework/Versions/A/Appscript

0x11fc7b000 - 0x11fc91fff +com.logos.Compatibility (9.6.0.24 -  
62006.0.24) <FF507405-5C14-3184-9D41-79146A10F4D1> /Applications/  
Logos.app/Contents/Frameworks/FaithlifeDesktop.framework/Versions/  
9.6.0.24/Frameworks/ApplicationBundle.framework/Versions/A/Frameworks/  
Compatibility.framework/Versions/A/Compatibility

0x120b95000 - 0x120ba4fff libobjc-trampolines.dylib (824)  
<FEFBAFBF-EE76-3E63-84CA-95E5F1F26805> /usr/lib/libobjc-  
trampolines.dylib

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Contents/Frameworks/FaithlifeDesktop.framework/Versions/9.6.0.24/  
Frameworks/ApplicationBundle.framework/Versions/A/Resources/lib/libmono-  
native-compat.0.dylib

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(0) <8166DE5F-5AAA-329B-965C-ED85170A19A7> /Applications/  
Logos.app/Contents/Frameworks/FaithlifeDesktop.framework/Versions/  
9.6.0.24/Frameworks/ApplicationBundle.framework/Versions/A/Resources/lib/  
libUtility.Macintosh.NativeHelpers.dylib

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Contents/Frameworks/FaithlifeDesktop.framework/Versions/9.6.0.24/  
Frameworks/ApplicationBundle.framework/Versions/A/Resources/lib/  
libMonoPosixHelper.dylib

0x13573c000 - 0x136127fff +libV8Helper.dylib (0)

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Contents/Frameworks/FaithlifeDesktop.framework/Versions/9.6.0.24/  
Frameworks/ApplicationBundle.framework/Versions/A/Resources/lib/  
libV8Helper.dylib

0x18283d000 - 0x182e20fff com.apple.audio.codecs.Components  
(7.0 - 7.0) <1C2F015B-DC26-376F-AA9F-B44D00E26C3F> /System/Library/  
Components/AudioCodecs.component/Contents/MacOS/AudioCodecs

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(283.15 - 283.15) <6BB3A714-7134-358F-8FB3-C6C72F481C4E> /System/  
Library/Extensions/AppleHDA.kext/Contents/PlugIns/  
AppleHDAHALPlugIn.bundle/Contents/MacOS/AppleHDAHALPlugIn

0x182f49000 - 0x1830b0fff com.apple.audio.units.Components  
(1.14 - 1.14) <5A1682F3-ECF7-3CA1-8772-B0F23F6384BD> /System/Library/  
Components/CoreAudio.component/Contents/MacOS/CoreAudio

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Contents/Frameworks/FaithlifeDesktop.framework/Versions/9.6.0.24/  
Frameworks/ApplicationBundle.framework/Versions/A/Resources/lib/  
libLibronix.DigitalLibrary.Logos.dylib

0x7fff2022e000 - 0x7fff2022ffff libsystem\_blocks.dylib (79)  
<C05B8BD3-ADF0-37BD-BF53-664D03226FD9> /usr/lib/system/  
libsystem\_blocks.dylib

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<D3D34FC5-2269-399E-A637-4D33E6BAFC64> /usr/lib/system/libxpc.dylib

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libsystem\_trace.dylib

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<75692EFA-23F5-381B-A2BB-A8C8B78FCFAA> /usr/lib/system/  
libcorecrypto.dylib

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<0AEDABF0-CFF7-3304-9FF8-EB3BBF0801E6> /usr/lib/system/  
libsystem\_malloc.dylib

0x7fff20349000 - 0x7fff2038dfff libdispatch.dylib (1271.120.2)  
<B0C73267-1BD9-3BEF-97CC-3B3D295FA58A> /usr/lib/system/  
libdispatch.dylib



0x7fff2038e000 - 0x7fff203c7fff libobjc.A.dylib (824)  
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0x7fff203c8000 - 0x7fff203cafff libsystem\_featureflags.dylib (28.60.1)  
<45D158F7-C4E4-3BDE-A218-AD346686E7AB> /usr/lib/system/  
libsystem\_featureflags.dylib

0x7fff203cb000 - 0x7fff20453fff libsystem\_c.dylib (1439.141.1)  
<337F746F-8232-3439-BBFF-BAB9C10731F4> /usr/lib/system/  
libsystem\_c.dylib

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libsystem\_kernel.dylib

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<B1A74420-49E9-32FC-BFCB-E53550236A23> /usr/lib/system/  
libsystem\_pthread.dylib

0x7fff204fc000 - 0x7fff20537fff libdyld.dylib (852.2) <11007DE4-  
ABE1-3079-BF1C-4D0EADA884DD> /usr/lib/system/libdyld.dylib

0x7fff20538000 - 0x7fff20541fff libsystem\_platform.dylib (254.80.2)  
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libsystem\_platform.dylib

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libsystem\_info.dylib

0x7fff2056e000 - 0x7fff20a0bfff com.apple.CoreFoundation (6.9 -  
1777.103) <08B48289-1C59-3259-8D49-F1FA51ED53D2> /System/Library/  
Frameworks/CoreFoundation.framework/Versions/A/CoreFoundation

0x7fff20a0c000 - 0x7fff20c41fff com.apple.LaunchServices (1122.41 -  
1122.41) <38848652-473A-32BF-AF80-AE71F486FF7E> /System/Library/  
Frameworks/CoreServices.framework/Versions/A/Frameworks/  
LaunchServices.framework/Versions/A/LaunchServices

0x7fff20c42000 - 0x7fff20d16fff com.apple.gpusw.MetalTools (1.0 - 1)  
<DFBAF21A-52CE-3B24-A42E-4693F9C5E39F> /System/Library/  
PrivateFrameworks/MetalTools.framework/Versions/A/MetalTools

0x7fff20d17000 - 0x7fff20f73fff libBLAS.dylib (1336.140.1)  
<E18A5456-02CF-3D9F-A24A-B7980AA83B4A> /System/Library/  
Frameworks/Accelerate.framework/Versions/A/Frameworks/  
vecLib.framework/Versions/A/libBLAS.dylib

0x7fff20f74000 - 0x7fff20fc1fff com.apple.Lexicon-framework (1.0 -

86.2) <0E57E9C3-00A8-307E-B2DE-98720083D3E2> /System/Library/PrivateFrameworks/Lexicon.framework/Versions/A/Lexicon  
0x7fff20fc2000 - 0x7fff21030fff libSparse.dylib (106)  
<70D44B7A-1D2B-39F1-B606-6423E640D950> /System/Library/Frameworks/Accelerate.framework/Versions/A/Frameworks/vecLib.framework/Versions/A/libSparse.dylib  
0x7fff21031000 - 0x7fff210aefff com.apple.SystemConfiguration (1.20 - 1.20) <C0C8BDF4-5049-33E3-B9BE-38045B039A47> /System/Library/Frameworks/SystemConfiguration.framework/Versions/A/SystemConfiguration  
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0x7fff210e4000 - 0x7fff2131cfff libmecabra.dylib (929.10) <083F04E5-49A8-397C-8014-7DAD0C55C568> /usr/lib/libmecabra.dylib  
0x7fff2131d000 - 0x7fff2167bfff com.apple.Foundation (6.9 - 1777.103) <EE9FDDA7-9E08-3638-864F-078016F032E3> /System/Library/Frameworks/Foundation.framework/Versions/C/Foundation  
0x7fff2167c000 - 0x7fff21764fff com.apple.LanguageModeling (1.0 - 247.3) <ABC28543-0920-34BE-98B9-15579E29C396> /System/Library/PrivateFrameworks/LanguageModeling.framework/Versions/A/LanguageModeling  
0x7fff21765000 - 0x7fff2189bfff com.apple.CoreDisplay (237.4 - 237.4) <9E2D1EEA-C99A-3406-BC4B-9153DA78B157> /System/Library/Frameworks/CoreDisplay.framework/Versions/A/CoreDisplay  
0x7fff2189c000 - 0x7fff21b0cfff com.apple.audio.AudioToolboxCore (1.0 - 1181.72) <B89C2EB5-2D51-3A5B-8F18-0794443AAFFC> /System/Library/PrivateFrameworks/AudioToolboxCore.framework/Versions/A/AudioToolboxCore  
0x7fff21b0d000 - 0x7fff21cf2fff com.apple.CoreText (677.6.0.2 - 677.6.0.2) <B5FB6280-1D27-3889-86CB-FC659D2D16C3> /System/Library/Frameworks/CoreText.framework/Versions/A/CoreText  
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0x7fff226dd000 - 0x7fff2293cfff libicucore.A.dylib (66112) <0F2D441F-A530-322B-B408-5963ABE0A3DF> /usr/lib/libicucore.A.dylib  
0x7fff2293d000 - 0x7fff22946fff libsystem\_darwin.dylib (1439.141.1) <3D4F1678-BA4A-3318-8DD0-D391F3AB9986> /usr/lib/system/

libsystem\_darwin.dylib

0x7fff22947000 - 0x7fff22c32fff com.apple.CoreServices.CarbonCore (1307.3 - 1307.3) <C778B64D-C4C0-32BC-832C-BB5F0AF04764> /System/Library/Frameworks/CoreServices.framework/Versions/A/Frameworks/CarbonCore.framework/Versions/A/CarbonCore

0x7fff22c33000 - 0x7fff22c71fff com.apple.CoreServicesInternal (476.1.1 - 476.1.1) <CDEE5153-12AA-3A16-9077-D54E0733DB25> /System/Library/PrivateFrameworks/CoreServicesInternal.framework/Versions/A/CoreServicesInternal

0x7fff22c72000 - 0x7fff22cacfff com.apple.CSSStore (1122.41 - 1122.41) <71140CEC-66B4-3475-84B8-3DEB24167B77> /System/Library/PrivateFrameworks/CoreServicesStore.framework/Versions/A/CoreServicesStore

0x7fff22cad000 - 0x7fff22d5bfff com.apple.framework.IOKit (2.0.2 - 1845.120.6) <67BE2B74-A20F-320C-9484-603D141A47AF> /System/Library/Frameworks/IOKit.framework/Versions/A/IOKit

0x7fff22d5c000 - 0x7fff22d67fff libsystem\_notify.dylib (279.40.4) <1AE27156-89B5-3E4A-AB14-A77E91F93DC7> /usr/lib/system/libsystem\_notify.dylib

0x7fff22d68000 - 0x7fff22db5fff libsandbox.1.dylib (1441.141.1) <37533D5B-1AC4-3E2F-B29B-F33D0C463F49> /usr/lib/libsandbox.1.dylib

0x7fff22db6000 - 0x7fff23b00fff com.apple.AppKit (6.9 - 2022.60.126) <0A61E40C-0E45-331B-88AA-313DB0B52F62> /System/Library/Frameworks/AppKit.framework/Versions/C/AppKit

0x7fff23b01000 - 0x7fff23d4ffff com.apple.UIFoundation (1.0 - 728.9) <82EA11F1-7D9B-39F7-8CCE-C3E2E6CCBE68> /System/Library/PrivateFrameworks/UIFoundation.framework/Versions/A/UIFoundation

0x7fff23d50000 - 0x7fff23d62fff com.apple.UniformTypeIdentifiers (637 - 637) <D1C28560-AB0E-3C53-9A2B-0D01815F977E> /System/Library/Frameworks/UniformTypeIdentifiers.framework/Versions/A/UniformTypeIdentifiers

0x7fff23d63000 - 0x7fff23eedfff com.apple.desktopservices (1.21 - 1346.6.1) <FD2F7A55-6308-3495-BC07-A74DDB8F57C9> /System/Library/PrivateFrameworks/DesktopServicesPriv.framework/Versions/A/DesktopServicesPriv

0x7fff23eee000 - 0x7fff23f00fff com.apple.metadata.SpotlightLinguistics (1.0 - 1) <023F35E3-596D-39BF-B208-E585C9AA8EF4> /System/Library/PrivateFrameworks/SpotlightLinguistics.framework/Versions/A/SpotlightLinguistics

0x7fff23f01000 - 0x7fff2410ffff com.apple.CoreDuet (1.0 - 1) <BEA92E0F-9282-341B-A5FC-038C405ABE9F> /System/Library/

PrivateFrameworks/CoreDuet.framework/Versions/A/CoreDuet  
0x7fff241cd000 - 0x7fff24853fff libnetwork.dylib (2288.140.7)  
<CEB383A9-3D75-3728-B767-2F3FAEFFFFA0C> /usr/lib/libnetwork.dylib  
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1240.0.4) <9256A031-E247-364B-BD8C-6D701A07C85A> /System/Library/  
Frameworks/CFNetwork.framework/Versions/A/CFNetwork  
0x7fff24cf3000 - 0x7fff24d01fff libsystem\_networkextension.dylib  
(1295.140.3) <8D9FA7DC-AE37-3C15-B730-B9E3CA879BA7> /usr/lib/  
system/libsystem\_networkextension.dylib  
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<E5F3370A-09B7-3880-96A9-A2869F0F2949> /usr/lib/  
libMobileGestalt.dylib  
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<9284A3C6-2AB1-3596-BD6C-0D19C7A0DD99> /usr/lib/system/  
libsystem\_asl.dylib  
0x7fff24d77000 - 0x7fff24d8ffff com.apple.TCC (1.0 - 1)  
<B9DD9945-2A59-346D-BCAF-8B3781EE036C> /System/Library/  
PrivateFrameworks/TCC.framework/Versions/A/TCC  
0x7fff24d90000 - 0x7fff250f5fff com.apple.SkyLight (1.600.0 - 588.6)  
<440E2DEE-FB60-3783-9C3F-8D86110921F2> /System/Library/  
PrivateFrameworks/SkyLight.framework/Versions/A/SkyLight  
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Versions/A/AE

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ATS.framework/Versions/A/Resources/libFontRegistry.dylib  
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Frameworks/FSEvents.framework/Versions/A/FSEvents  
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HIToolbox.framework/Versions/A/HIToolbox

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BackgroundTaskManagement

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0x7fff29e5a000 - 0x7fff29e5cfff libquarantine.dylib (119.40.2) <C34FBC7A-963B-3F1D-BBC1-D3C6BB46E14B> /usr/lib/system/libquarantine.dylib

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MPSNDArray.framework/Versions/A/MPSNDArray

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- 1.0) <8EFE966E-3F09-3EF8-A6FD-8CB4AB3077CB> /System/Library/  
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AppleFSCompression

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Frameworks/OSServices.framework/Versions/A/OSServices

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Frameworks/CoreSpotlight.framework/Versions/A/CoreSpotlight

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MetalPerformanceShaders  
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PrivateFrameworks/DSEExternalDisplay.framework/Versions/A/  
DSEExternalDisplay  
0x7fff2be45000 - 0x7fff2be69fff libJPEG.dylib (2130.6.5)  
<5A2A9409-0118-34B8-A3C0-1FB05BE1B48C> /System/Library/  
Frameworks/ImageIO.framework/Versions/A/Resources/libJPEG.dylib  
0x7fff2be6a000 - 0x7fff2be99fff com.apple.ATSUI (1.0 - 1)  
<6E71A1C3-BC19-3496-AC1C-90B3CE83A0BF> /System/Library/  
Frameworks/ApplicationServices.framework/Versions/A/Frameworks/  
ATSUI.framework/Versions/A/ATSUI  
0x7fff2be9a000 - 0x7fff2be9efff libGIF.dylib (2130.6.5) <F1CCAE85-  
B9D7-3531-83B6-051B2CED9734> /System/Library/Frameworks/  
ImageIO.framework/Versions/A/Resources/libGIF.dylib  
0x7fff2be9f000 - 0x7fff2bea8fff com.apple.CMCaptureCore (1.0 - 82.6)  
<78123EDC-D3B5-39C6-AEA7-DB52CDA3C979> /System/Library/  
PrivateFrameworks/CMCaptureCore.framework/Versions/A/CMCaptureCore  
0x7fff2bea9000 - 0x7fff2bef0fff com.apple.print.framework.PrintCore  
(16.1 - 531.1) <DBB75BF2-7263-348D-8949-5AB551075737> /System/  
Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/  
PrintCore.framework/Versions/A/PrintCore  
0x7fff2bef1000 - 0x7fff2bfbefff com.apple.TextureIO (3.10.9 - 3.10.9)  
<B13DA4A8-9E6B-3130-83C7-976FE25EB63F> /System/Library/  
PrivateFrameworks/TextureIO.framework/Versions/A/TextureIO  
0x7fff2bfbf000 - 0x7fff2bfc7fff com.apple.InternationalSupport (1.0 -  
61.1) <40F6A37A-EBD3-304B-AF6A-43833A3E7A3E> /System/Library/  
PrivateFrameworks/InternationalSupport.framework/Versions/A/  
InternationalSupport  
0x7fff2bfc8000 - 0x7fff2c042fff com.apple.datadetectorscore (8.0 -  
674) <10C32CC2-AF04-35BE-9344-0F5BF97339A5> /System/Library/  
PrivateFrameworks/DataDetectorsCore.framework/Versions/A/

## DataDetectorsCore

0x7fff2c043000 - 0x7fff2c0a0fff com.apple.UserActivity (439 - 439)  
<23442FB0-6ED9-3F0F-8B7C-D12C85710DDC> /System/Library/  
PrivateFrameworks/UserActivity.framework/Versions/A/UserActivity

0x7fff2c0a1000 - 0x7fff2c83dfff com.apple.MediaToolbox (1.0 -  
2780.10) <83D12536-D3C4-3BF7-9BB9-3DC0B1C1A06B> /System/Library/  
Frameworks/MediaToolbox.framework/Versions/A/MediaToolbox

0x7fff2cc7e000 - 0x7fff2cce4fff com.apple.imfoundation (10.0 - 1000)  
<ED93728C-AFCF-3724-BE9F-BA580581E172> /System/Library/  
PrivateFrameworks/IMFoundation.framework/Versions/A/IMFoundation

0x7fff2cce5000 - 0x7fff2cd0dfff com.apple.locationsupport  
(2420.19.23 - 2420.19.23) <FF0EDCC3-FBE1-311B-83C2-96D983BEA6FE> /  
System/Library/PrivateFrameworks/LocationSupport.framework/Versions/A/  
LocationSupport

0x7fff2cd0e000 - 0x7fff2cd3ffff libSessionUtility.dylib (76.69)  
<E4273478-786B-3DAA-928E-5D8ECC89DE92> /System/Library/  
PrivateFrameworks/AudioSession.framework/libSessionUtility.dylib

0x7fff2cd40000 - 0x7fff2ce74fff com.apple.audio.toolbox.AudioToolbox  
(1.14 - 1.14) <2B4043E1-A82B-3E53-8DED-6BF234206BAC> /System/  
Library/Frameworks/AudioToolbox.framework/Versions/A/AudioToolbox

0x7fff2ce75000 - 0x7fff2cedafff com.apple.audio.AudioSession (1.0 -  
76.69) <FD4713A3-2938-3B12-BCAE-1C55A8C60AEE> /System/Library/  
PrivateFrameworks/AudioSession.framework/Versions/A/AudioSession

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<FE5D1815-638C-3D5D-A34A-498A11E31D52> /usr/lib/  
libAudioStatistics.dylib

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com.apple.speech.synthesis.framework (9.0.66 - 9.0.66) <A6BB4299-  
FC20-33D8-A873-3B1E3EED046D> /System/Library/Frameworks/  
ApplicationServices.framework/Versions/A/Frameworks/  
SpeechSynthesis.framework/Versions/A/SpeechSynthesis

0x7fff2cefe000 - 0x7fff2cf6afff com.apple.ApplicationServices.ATS  
(377 - 516) <09728391-A9F9-355F-BE99-A64707E8BC03> /System/  
Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/  
ATS.framework/Versions/A/ATS

0x7fff2cf6b000 - 0x7fff2cf83fff libresolv.9.dylib (68) <9EE291CF-  
A18A-3D09-A8CC-682AAF448176> /usr/lib/libresolv.9.dylib

0x7fff2cf84000 - 0x7fff2cf97fff libsasl2.2.dylib (214) <B34CBCE0-  
AAC6-3622-A248-1306150CF908> /usr/lib/libsasl2.2.dylib

0x7fff2d004000 - 0x7fff2d037fff com.apple.securityinterface (10.0 -  
55149.120.1) <00BD513E-166E-3550-A2AB-0E302F0B3EAA> /System/

Library/Frameworks/SecurityInterface.framework/Versions/A/  
SecurityInterface

0x7fff2d051000 - 0x7fff2d0b5fff com.apple.CoreMediaIO (1000.0 -  
5325) <FEC02C1B-B494-3CFD-AAE7-3313A2D8C325> /System/Library/  
Frameworks/CoreMediaIO.framework/Versions/A/CoreMediaIO

0x7fff2d0b6000 - 0x7fff2d195fff libSMC.dylib (20) <CC74F0B6-  
BE07-3B6D-BF92-3EE68EA3C1AD> /usr/lib/libSMC.dylib

0x7fff2d196000 - 0x7fff2d1f5fff libcups.2.dylib (494.1) <35B61857-  
D298-3BC9-960A-D2CCAA576DC7> /usr/lib/libcups.2.dylib

0x7fff2d1f6000 - 0x7fff2d205fff com.apple.LangAnalysis (1.7.0 - 254)  
<ACFAC900-9AEC-32D1-8F23-804F111C3092> /System/Library/  
Frameworks/ApplicationServices.framework/Versions/A/Frameworks/  
LangAnalysis.framework/Versions/A/LangAnalysis

0x7fff2d206000 - 0x7fff2d210fff com.apple.NetAuth (6.2 - 6.2)  
<5972DC13-D32F-3140-BD91-495AAC2D7550> /System/Library/  
PrivateFrameworks/NetAuth.framework/Versions/A/NetAuth

0x7fff2d211000 - 0x7fff2d218fff com.apple.ColorSyncLegacy (4.13.0 -  
1) <4C440F08-211D-3BF7-A43A-57930751CD78> /System/Library/  
Frameworks/ApplicationServices.framework/Versions/A/Frameworks/  
ColorSyncLegacy.framework/Versions/A/ColorSyncLegacy

0x7fff2d219000 - 0x7fff2d224fff com.apple.QD (4.0 - 416)  
<956ADD05-CF77-32BC-A3ED-E3E62969DA53> /System/Library/  
Frameworks/ApplicationServices.framework/Versions/A/Frameworks/  
QD.framework/Versions/A/QD

0x7fff2d225000 - 0x7fff2d879fff  
com.apple.audio.AudioResourceArbitration (1.0 - 1) <A698F07E-EE6B-3193-  
B8AA-FD560ABE8927> /System/Library/PrivateFrameworks/  
AudioResourceArbitration.framework/Versions/A/AudioResourceArbitration

0x7fff2d87a000 - 0x7fff2d885fff com.apple.perfdata (1.0 - 67.40.1)  
<7DBB06C3-735E-3105-A8D2-DD22C51FE5D4> /System/Library/  
PrivateFrameworks/perfdata.framework/Versions/A/perfdata

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<515342C4-9932-306C-8A4E-AB2DB9C94D7C> /usr/lib/libperfcheck.dylib

0x7fff2d895000 - 0x7fff2d8a4fff com.apple.Kerberos (3.0 - 1)  
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Frameworks/Kerberos.framework/Versions/A/Kerberos

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<4B10E99B-A9C7-3C61-85FD-E4BDDEE38764> /System/Library/  
Frameworks/GSS.framework/Versions/A/GSS

0x7fff2d8f6000 - 0x7fff2d906fff com.apple.CommonAuth (4.0 - 2.0)  
<B6300458-84A2-3315-903D-195FD5A6D71A> /System/Library/

PrivateFrameworks/CommonAuth.framework/Versions/A/CommonAuth  
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659.100.21) <0E884E74-0372-38EC-AE4E-3C03169AAB1E> /System/  
Library/PrivateFrameworks/MobileAsset.framework/Versions/A/MobileAsset  
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PrivateFrameworks/CacheDelete.framework/Versions/A/CacheDelete  
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CorePhoneNumbers  
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(5359.1) <953E03CA-5F59-3770-80EA-B09B76F856D6> /usr/lib/  
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liblaunch.dylib  
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AE93-3FB3-90A4-92E0B838CEFC> /usr/lib/libffi.dylib  
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Frameworks/NetworkExtension.framework/Versions/A/NetworkExtension  
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PrivateFrameworks/IDS.framework/Versions/A/IDS  
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PrivateFrameworks/IDSFoundation.framework/Versions/A/IDSFoundation  
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<D3B2F86B-1440-3F86-863D-521EFB5E6BF8> /System/Library/  
PrivateFrameworks/Sharing.framework/Versions/A/Sharing  
0x7fff2e405000 - 0x7fff2e526fff com.apple.Bluetooth (8.0.5 - 8.0.5d7)  
<E5F9D822-9999-3521-A812-6ED6E4B4F7C3> /System/Library/  
Frameworks/IOBluetooth.framework/Versions/A/IOBluetooth  
0x7fff2e527000 - 0x7fff2e53bfff com.apple.AppContainer (4.0 -  
509.140.3) <00238FC5-658B-3DA6-B09C-48165DE15FA6> /System/  
Library/PrivateFrameworks/AppContainer.framework/Versions/A/

## AppContainer

0x7fff2e53c000 - 0x7fff2e53ffff com.apple.SecCodeWrapper (4.0 - 509.140.3) <C08C4C45-8BEE-39C3-84CA-556BAB3AF11D> /System/Library/PrivateFrameworks/SecCodeWrapper.framework/Versions/A/

## SecCodeWrapper

0x7fff2e540000 - 0x7fff2e599fff com.apple.ProtectedCloudStorage (1.0 - 1) <87EAE8D8-A80C-3BE3-87EF-A1AA20876D7F> /System/Library/PrivateFrameworks/ProtectedCloudStorage.framework/Versions/A/

## ProtectedCloudStorage

0x7fff2e59a000 - 0x7fff2e5f9fff com.apple.QuickLookFramework (5.0 - 928.4) <1FAFBB1D-ADE5-3B01-A450-867A60DA5314> /System/Library/Frameworks/QuickLook.framework/Versions/A/QuickLook

0x7fff2e5fa000 - 0x7fff2e615fff com.apple.MetalKit (147.1 - 147.1) <270BE38F-7500-340A-81A0-90889A735656> /System/Library/Frameworks/MetalKit.framework/Versions/A/MetalKit

0x7fff2e7f9000 - 0x7fff2fcf4fff com.apple.GeoServices (1.0 - 1757.26.6.2.2) <4F70E537-5378-3540-9075-D8CFA0DDFDC8> /System/Library/PrivateFrameworks/GeoServices.framework/Versions/A/GeoServices

0x7fff2fcf5000 - 0x7fff2fd00fff com.apple.DirectoryService.Framework (11.5 - 230.40.1) <2D4983A1-CFA7-3910-BFEA-6E1CCC1E1F58> /System/Library/Frameworks/DirectoryService.framework/Versions/A/DirectoryService

0x7fff2fd01000 - 0x7fff2fd28fff com.apple.RemoteViewServices (2.0 - 163) <E7004CD2-22B4-3270-93D5-65863360C82F> /System/Library/PrivateFrameworks/RemoteViewServices.framework/Versions/A/

## RemoteViewServices

0x7fff2fd29000 - 0x7fff2fd38fff com.apple.SpeechRecognitionCore (6.1.25 - 6.1.25) <CA908EFD-C87F-3DF6-9BE9-43F3B6CE05FF> /System/Library/PrivateFrameworks/SpeechRecognitionCore.framework/Versions/A/SpeechRecognitionCore

0x7fff2fd39000 - 0x7fff2fd40fff  
com.apple.speech.recognition.framework (6.0.3 - 6.0.3) <613D2BFE-FCD0-3C2F-8B93-4A01D221AF09> /System/Library/Frameworks/Carbon.framework/Versions/A/Frameworks/SpeechRecognition.framework/Versions/A/SpeechRecognition

0x7fff2fd41000 - 0x7fff2fd51fff com.apple.AppleLDAP (11.5 - 54) <D81C4CEA-CBD0-338E-B128-C7BB55B7FA35> /System/Library/PrivateFrameworks/AppleLDAP.framework/Versions/A/AppleLDAP

0x7fff2ff6e000 - 0x7fff2ff6efff libsystem\_product\_info\_filter.dylib (8.40.1) <C983DE00-5802-390A-9FEC-703E0E9A2114> /usr/lib/system/libsystem\_product\_info\_filter.dylib

0x7fff2ffe6000 - 0x7fff2ffdfdf libnetworkextension.dylib (1295.140.3)

<00D2050D-D835-316A-877D-CD89A16B5198> /usr/lib/  
libnetworkextension.dylib  
0x7fff30046000 - 0x7fff30046fff com.apple.Accelerate.vecLib (3.11 -  
vecLib 3.11) <41FBC9FA-C781-38D3-BA7D-80A0955B350C> /System/  
Library/Frameworks/Accelerate.framework/Versions/A/Frameworks/  
vecLib.framework/Versions/A/vecLib  
0x7fff3006c000 - 0x7fff3006cfff com.apple.CoreServices (1122.41 -  
1122.41) <2E82F706-DA2C-3C97-B244-9053E6E95827> /System/Library/  
Frameworks/CoreServices.framework/Versions/A/CoreServices  
0x7fff30228000 - 0x7fff30228fff com.apple.Accelerate (1.11 -  
Accelerate 1.11) <3F8EDDF5-80E7-3EDD-8746-89A278F04805> /System/  
Library/Frameworks/Accelerate.framework/Versions/A/Accelerate  
0x7fff30269000 - 0x7fff30274fff com.apple.MediaAccessibility (1.0 -  
130) <B119C0F0-04F3-3676-978C-CE1949BEB037> /System/Library/  
Frameworks/MediaAccessibility.framework/Versions/A/MediaAccessibility  
0x7fff30275000 - 0x7fff30294fff  
com.apple.networking.AlgosScoreFramework (1.0 - 1) <F6207382-  
FF8E-3ACA-8488-3DD95D4FFD83> /System/Library/PrivateFrameworks/  
AlgosScoreFramework.framework/Versions/A/AlgosScoreFramework  
0x7fff30295000 - 0x7fff30299fff com.apple.AppleSRP (5.0 - 1)  
<F4A4D91D-30E6-38FD-B819-E064FF0DA787> /System/Library/  
PrivateFrameworks/AppleSRP.framework/Versions/A/AppleSRP  
0x7fff3029a000 - 0x7fff302a5fff com.apple.frameworks.CoreDaemon  
(1.3 - 1.3) <9AF0E9EC-0FF1-3A73-AEA7-2768275CC525> /System/Library/  
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com.apple.framework.SystemAdministration (1.0 - 1.0)  
<9FF7CF12-54EB-3D1D-ADDF-3AEDE05C022B> /System/Library/  
PrivateFrameworks/SystemAdministration.framework/Versions/A/  
SystemAdministration  
0x7fff302de000 - 0x7fff305b6fff com.apple.VN (4.3.1 - 4.3.1)  
<EAAAA51F-05C5-39C1-972A-4DFFC753DEA6> /System/Library/  
Frameworks/Vision.framework/Versions/A/Vision  
0x7fff30710000 - 0x7fff30793fff  
com.apple.AddressBook.ContactsFoundation (8.0 - 1151.2) <02138FC7-  
AA72-3FAB-AD01-40B4FFF060F2> /System/Library/PrivateFrameworks/  
ContactsFoundation.framework/Versions/A/ContactsFoundation  
0x7fff30794000 - 0x7fff307d6fff  
com.apple.contacts.ContactsPersistence (1.0 - 3497.5)  
<DA0BBE72-578B-3093-87EB-D78F6B3957CF> /System/Library/  
PrivateFrameworks/ContactsPersistence.framework/Versions/A/

## ContactsPersistence

0x7fff307d7000 - 0x7fff3090dfff com.apple.AddressBook.core (1.0 - 2452.7) <E3674E53-69D0-3A35-9F5B-810CF1FE65BF> /System/Library/PrivateFrameworks/AddressBookCore.framework/Versions/A/

## AddressBookCore

0x7fff3090e000 - 0x7fff30a42fff com.apple.contacts (1.0 - 3497.5) <E8FD3EE0-1144-3E63-B1F5-023E8272155F> /System/Library/Frameworks/Contacts.framework/Versions/A/Contacts

0x7fff30a43000 - 0x7fff30a50fff com.apple.PersonaKit (1.0 - 1) <1FD6324A-29A8-3CB7-9819-325C3E7EFD2B> /System/Library/PrivateFrameworks/PersonaKit.framework/Versions/A/PersonaKit

0x7fff30a6a000 - 0x7fff30acffff com.apple.CoreBluetooth (1.0 - 1) <1A427F92-B95A-3077-853B-09688553DA70> /System/Library/Frameworks/CoreBluetooth.framework/Versions/A/CoreBluetooth

0x7fff30ad0000 - 0x7fff30ad9fff  
com.apple.SymptomDiagnosticReporter (1.0 - 79.120.1)  
<DC724AF6-1C92-3913-B6A7-0AA062AE1792> /System/Library/PrivateFrameworks/SymptomDiagnosticReporter.framework/Versions/A/SymptomDiagnosticReporter

0x7fff30ada000 - 0x7fff30aecfff com.apple.PowerLog (1.0 - 1) <1C33689B-0AF9-3924-A267-44D083E6E268> /System/Library/PrivateFrameworks/PowerLog.framework/Versions/A/PowerLog

0x7fff30aed000 - 0x7fff30af9fff com.apple.AppleIDAuthSupport (1.0 - 1) <A3631052-9D44-308F-BF87-E501AB409692> /System/Library/PrivateFrameworks/AppleIDAuthSupport.framework/Versions/A/AppleIDAuthSupport

0x7fff30afa000 - 0x7fff30ba2fff com.apple.DiscRecording (9.0.3 - 9030.4.5) <367204EF-650E-36BE-8D0F-9DF6E79E5DB0> /System/Library/Frameworks/DiscRecording.framework/Versions/A/DiscRecording

0x7fff30ba3000 - 0x7fff30bd6fff com.apple.MediaKit (16 - 927.40.2) <5198B786-444D-3CA6-85AC-6555688B0DBC> /System/Library/PrivateFrameworks/MediaKit.framework/Versions/A/MediaKit

0x7fff30bd7000 - 0x7fff30cc2fff com.apple.DiskManagement (14.0 - 1733.140.2) <2D63F3D0-8E51-3337-8EB7-A774020B129C> /System/Library/PrivateFrameworks/DiskManagement.framework/Versions/A/DiskManagement

0x7fff30cc3000 - 0x7fff3107dfff com.apple.CoreAUC (326.2.0 - 326.2.0) <B8C28937-6F13-398D-90C0-AFA712ECA059> /System/Library/PrivateFrameworks/CoreAUC.framework/Versions/A/CoreAUC

0x7fff3107e000 - 0x7fff31081fff com.apple.Mangrove (1.0 - 25) <991665A3-572E-3648-B92E-EEEEF8E6D5EDB> /System/Library/



PrivateFrameworks/Mangrove.framework/Versions/A/Mangrove  
0x7fff31082000 - 0x7fff310affff com.apple.CoreAVCHD (6.1.0 -  
6100.4.1) <2D678684-A8A3-366B-9447-E729D550ADAF> /System/Library/  
PrivateFrameworks/CoreAVCHD.framework/Versions/A/CoreAVCHD  
0x7fff310b0000 - 0x7fff311fffff com.apple.FileProvider (349.4.2 -  
349.4.2) <B8F18BEE-4ACC-38E3-AE8C-C9AB29CF0206> /System/Library/  
Frameworks/FileProvider.framework/Versions/A/FileProvider  
0x7fff31200000 - 0x7fff31222fff com.apple.GenerationalStorage (2.0 -  
323) <623FEAF8-671F-3812-9EA4-7B30FFC4AE7D> /System/Library/  
PrivateFrameworks/GenerationalStorage.framework/Versions/A/  
GenerationalStorage  
0x7fff31598000 - 0x7fff31666fff com.apple.CoreTelephony (113 -  
8260) <FD428F0D-6AC0-32B1-8B2C-D8C21C8464B7> /System/Library/  
Frameworks/CoreTelephony.framework/Versions/A/CoreTelephony  
0x7fff31667000 - 0x7fff31674fff com.apple.AppSandbox (4.0 -  
509.140.3) <119DDC2F-A211-34CB-8C92-082971ABEEA5> /System/Library/  
PrivateFrameworks/AppSandbox.framework/Versions/A/AppSandbox  
0x7fff3168b000 - 0x7fff3181ffff com.apple.AVFCore (1.0 - 2020.10)  
<3C312FFF-9D9D-375B-9681-D55B91D1C795> /System/Library/  
PrivateFrameworks/AVFCore.framework/Versions/A/AVFCore  
0x7fff31820000 - 0x7fff3188ffff com.apple.FrontBoardServices (703.16  
- 703.16) <4EB437DA-4B26-3D46-A263-FB22E1195201> /System/Library/  
PrivateFrameworks/FrontBoardServices.framework/Versions/A/  
FrontBoardServices  
0x7fff31890000 - 0x7fff318b9fff com.apple.BoardServices (1.0 - 526)  
<F5C0104D-A258-3DC9-9D90-C42E4400C00A> /System/Library/  
PrivateFrameworks/BoardServices.framework/Versions/A/BoardServices  
0x7fff318ba000 - 0x7fff318e5fff com.apple.contacts.vCard (1.0 -  
3497.5) <436F205D-898C-316F-A59F-067D3B81E0EA> /System/Library/  
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19.4) <D3F3E60D-CB59-3281-93C3-6176FA5C0A86> /System/Library/  
PrivateFrameworks/ExtensionFoundation.framework/Versions/A/  
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Frameworks/CryptoTokenKit.framework/Versions/A/CryptoTokenKit  
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827.140.1) <E8571309-4457-3C8B-8792-1CADA40F883F> /System/Library/  
Frameworks/LocalAuthentication.framework/Versions/A/LocalAuthentication  
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<BB82C6E0-5746-3BE8-B397-EB5F86215D51> /System/Library/  
Frameworks/LocalAuthentication.framework/Support/SharedUtils.framework/  
Versions/A/SharedUtils  
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<0B7D4FFA-279E-32CB-8191-9B728FDF1B15> /System/Library/  
Frameworks/CoreHaptics.framework/Versions/A/CoreHaptics  
0x7fff31a5f000 - 0x7fff31a6bfff libexslt.0.dylib (17.6) <215786BE-  
F2E4-350E-990B-414F05DE4055> /usr/lib/libexslt.0.dylib  
0x7fff31a6c000 - 0x7fff31aabfff com.apple.AppleVPAFramework  
(3.26.1 - 3.26.1) <7EBDBEE9-B0DF-3D58-A28C-036E95F53526> /System/  
Library/PrivateFrameworks/AppleVPA.framework/Versions/A/AppleVPA  
0x7fff31b5e000 - 0x7fff31b99fff com.apple.DebugSymbols (195.1 -  
195.1) <A0FA2F40-271B-3CC7-8083-A34E21093536> /System/Library/  
PrivateFrameworks/DebugSymbols.framework/Versions/A/DebugSymbols  
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64544.81.1) <CE5694DC-0351-3F11-8850-19A9AB721893> /System/  
Library/PrivateFrameworks/CoreSymbolication.framework/Versions/A/  
CoreSymbolication  
0x7fff31c50000 - 0x7fff31c59fff com.apple.CoreTime (284.0.4)  
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PrivateFrameworks/CoreTime.framework/Versions/A/CoreTime  
0x7fff31c5a000 - 0x7fff31ccffff com.apple.Rapport (2.6.0 - 260.3)  
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PrivateFrameworks/Rapport.framework/Versions/A/Rapport  
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PrivateFrameworks/CoreDuetContext.framework/Versions/A/  
CoreDuetContext  
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(17.0 - 1728) <E1BB392A-D496-383C-9B5A-08D695D14FD9> /System/  
Library/PrivateFrameworks/Apple80211.framework/Versions/A/Apple80211  
0x7fff32bc2000 - 0x7fff32d13fff com.apple.CoreWiFi (3.0 - 341)  
<30F0EC33-A723-3637-BAEE-746E62173413> /System/Library/  
PrivateFrameworks/CoreWiFi.framework/Versions/A/CoreWiFi

0x7fff32d14000 - 0x7fff32d2efff com.apple.BackBoardServices (1.0 - 1.0) <A9F16586-7F1B-3295-9CC5-39A1DEC35039> /System/Library/PrivateFrameworks/BackBoardServices.framework/Versions/A/BackBoardServices

0x7fff32d2f000 - 0x7fff32d66fff com.apple.LDAPFramework (2.4.28 - 194.5) <4135E22D-3F73-32E5-893F-581CE6FDAAAE> /System/Library/Frameworks/LDAP.framework/Versions/A/LDAP

0x7fff32d67000 - 0x7fff32d68fff com.apple.TrustEvaluationAgent (2.0 - 35) <AD89358E-4727-3D3A-8DB1-476376782AA0> /System/Library/PrivateFrameworks/TrustEvaluationAgent.framework/Versions/A/TrustEvaluationAgent

0x7fff32d69000 - 0x7fff32e6efff libcrypto.44.dylib (56.60.2) <0F920481-AE26-3AAF-BFD5-CD944AFBBB52> /usr/lib/libcrypto.44.dylib

0x7fff32e6f000 - 0x7fff32e9cfff libssl.46.dylib (56.60.2) <4F3A6B01-778E-36A1-A065-CBE1F17016C1> /usr/lib/libssl.46.dylib

0x7fff32e9d000 - 0x7fff32f4cfff com.apple.DiskImagesFramework (595.140.1 - 595.140.1) <B3BE6C45-80EF-31AB-8A64-11ABC8951D8E> /System/Library/PrivateFrameworks/DiskImages.framework/Versions/A/DiskImages

0x7fff32f4d000 - 0x7fff32f83fff com.apple.SystemConfiguration.EAP8021X (14.0.0 - 14.0) <F0BE9AB6-921B-32B9-9142-D8CB155FA158> /System/Library/PrivateFrameworks/EAP8021X.framework/Versions/A/EAP8021X

0x7fff32f84000 - 0x7fff32f93fff com.apple.RemoteServiceDiscovery (1.0 - 1.120.1) <42D309FD-1717-3D9C-A5F7-EE9FAF163162> /System/Library/PrivateFrameworks/RemoteServiceDiscovery.framework/Versions/A/RemoteServiceDiscovery

0x7fff32fac000 - 0x7fff32ff0fff com.apple.DataDetectorsNaturalLanguage (1.0 - 159.1) <322FD948-F859-3FBD-BCAD-7FC0BF2A5F52> /System/Library/PrivateFrameworks/DataDetectorsNaturalLanguage.framework/Versions/A/DataDetectorsNaturalLanguage

0x7fff32ff1000 - 0x7fff32ff4fff com.apple.help (1.3.8 - 71) <34572384-05BC-3A0A-86CD-267DE196F27A> /System/Library/Frameworks/Carbon.framework/Versions/A/Frameworks/Help.framework/Versions/A/Help

0x7fff32ff5000 - 0x7fff32ffcfff com.apple.EFILogin (2.0 - 2) <B6D754F1-9575-3000-BF81-55B0B7A83804> /System/Library/PrivateFrameworks/EFILogin.framework/Versions/A/EFILogin

0x7fff32ffd000 - 0x7fff33008fff libcsfde.dylib (554.140.2) <7D24C26A-8165-33ED-8255-43B52148CD29> /usr/lib/libcsfde.dylib

0x7fff33009000 - 0x7fff3306ffff libcurl.4.dylib (121.100.3) <16384CE2-EFB9-338E-917E-D75D1AFD4965> /usr/lib/libcurl.4.dylib

0x7fff33070000 - 0x7fff33077fff com.apple.LoginUIKit (4.0 - 4.0) <6114D75A-721D-34AC-8C47-6A82CB9A581F> /System/Library/PrivateFrameworks/LoginUIKit.framework/Versions/A/Frameworks/LoginUIKitCore.framework/Versions/A/LoginUIKitCore

0x7fff33078000 - 0x7fff330dafff com.apple.AppSupport (1.0.0 - 29) <195D49A9-9CA2-3A1F-A22C-09DB4E070B0E> /System/Library/PrivateFrameworks/AppSupport.framework/Versions/A/AppSupport

0x7fff3317a000 - 0x7fff3323efff com.apple.GameController (1.0 - 1) <0AC75A83-B901-3F24-A19F-653306E42CF2> /System/Library/Frameworks/GameController.framework/Versions/A/GameController

0x7fff33247000 - 0x7fff33247fff com.apple.ApplicationServices (48 - 50) <93634C11-D92F-38C7-9A9B-52F39C85FCA4> /System/Library/Frameworks/ApplicationServices.framework/Versions/A/ApplicationServices

0x7fff33248000 - 0x7fff3324afff com.apple.InternationalTextSearch (1.0 - 1) <A7396A9F-D2C0-322E-8AB1-AB7C024E10F9> /System/Library/PrivateFrameworks/InternationalTextSearch.framework/Versions/A/InternationalTextSearch

0x7fff3324b000 - 0x7fff332c3fff com.apple.ClassKit (1.2 - 146.6) <EAA219BC-1437-3C9B-8DA5-420E85FD5F10> /System/Library/Frameworks/ClassKit.framework/Versions/A/ClassKit

0x7fff332c4000 - 0x7fff33408fff com.apple.AppleAccount (1.0 - 1.0) <14BCDEAB-1BA7-35F1-9232-EB6A04B0590B> /System/Library/PrivateFrameworks/AppleAccount.framework/Versions/A/AppleAccount

0x7fff33409000 - 0x7fff33448fff com.apple.AppleIDSSOAuthentication (1.0 - 1) <40919CC6-2F06-3AA1-A849-E1D384DBC451> /System/Library/PrivateFrameworks/AppleIDSSOAuthentication.framework/Versions/A/AppleIDSSOAuthentication

0x7fff33449000 - 0x7fff334a0fff com.apple.CorePrediction (1.0 - 1) <D126FAF1-9AD2-3296-862F-938B9E201E5A> /System/Library/PrivateFrameworks/CorePrediction.framework/Versions/A/CorePrediction

0x7fff3355c000 - 0x7fff3355cfff libHeimdalProxy.dylib (79) <B7E36A80-D5CF-3C92-B71B-AC5B43E2AAFE> /System/Library/Frameworks/Kerberos.framework/Versions/A/Libraries/libHeimdalProxy.dylib

0x7fff3360f000 - 0x7fff3360ffff com.apple.audio.units.AudioUnit (1.14 - 1.14) <097C1991-EEC4-374E-A686-826E479A2A07> /System/Library/Frameworks/AudioUnit.framework/Versions/A/AudioUnit

0x7fff33633000 - 0x7fff33676fff com.apple.StreamingZip (1.0 - 1) <41BCCD19-E2EF-3864-BCBD-4F576D3B9097> /System/Library/PrivateFrameworks/StreamingZip.framework/Versions/A/StreamingZip

0x7fff33677000 - 0x7fff33695fff com.apple.DuetActivityScheduler (1.0 - 1) <A8689435-8F4F-3835-85EE-9AFD643B0993> /System/Library/PrivateFrameworks/DuetActivityScheduler.framework/Versions/A/DuetActivityScheduler

0x7fff336aa000 - 0x7fff336b6fff com.apple.IntentsFoundation (1.0 - 1) <C33CA9CB-C668-33BC-AEC8-90FE86F45BE1> /System/Library/PrivateFrameworks/IntentsFoundation.framework/Versions/A/IntentsFoundation

0x7fff336b7000 - 0x7fff336bcfff com.apple.PushKit (1.0 - 1) <616F11AD-FA92-3145-8627-46A22EA36EF8> /System/Library/Frameworks/PushKit.framework/Versions/A/PushKit

0x7fff336bd000 - 0x7fff336f0fff com.apple.C2 (1.3 - 573) <AAB8B391-AF73-36AC-9BEC-EC7004977E51> /System/Library/PrivateFrameworks/C2.framework/Versions/A/C2

0x7fff336f1000 - 0x7fff33721fff com.apple.QuickLookThumbnailing (1.0 - 135.5) <98C6E610-4694-378B-BEC0-10541877A27C> /System/Library/Frameworks/QuickLookThumbnailing.framework/Versions/A/QuickLookThumbnailing

0x7fff33722000 - 0x7fff33f23fff com.apple.vision.EspressoFramework (1.0 - 256.4.4) <E40C60B3-4302-3DF8-9221-63330DC486FB> /System/Library/PrivateFrameworks/Espresso.framework/Versions/A/Espresso

0x7fff33f24000 - 0x7fff33f3bfff com.apple.ANEServices (4.75 - 4.75) <5A43FEFC-6795-3194-9282-CA29A3889E31> /System/Library/PrivateFrameworks/ANEServices.framework/Versions/A/ANEServices

0x7fff33f3c000 - 0x7fff33fa1fff com.apple.proactive.support.ProactiveSupport (1.0 - 294.7) <33156B45-AC6C-320D-BB61-9AE88B2EFCBA> /System/Library/PrivateFrameworks/ProactiveSupport.framework/Versions/A/ProactiveSupport

0x7fff33fa2000 - 0x7fff33facfff com.apple.corerecents (1.0 - 1) <6939C29A-1822-33C6-8083-EB44696A134B> /System/Library/PrivateFrameworks/CoreRecents.framework/Versions/A/CoreRecents

0x7fff33fad000 - 0x7fff33fdefff com.apple.iCalendar (7.0 - 833) <F6CC50D0-041D-33E1-B1A9-4AE0E532CBFD> /System/Library/PrivateFrameworks/iCalendar.framework/Versions/A/iCalendar

0x7fff33fdf000 - 0x7fff3404ffff com.apple.CalendarFoundation (8.0 - 1178.5.2) <044DD30D-B7D2-331C-8578-825A474C4817> /System/Library/PrivateFrameworks/CalendarFoundation.framework/Versions/A/CalendarFoundation

0x7fff34050000 - 0x7fff34052fff com.apple.CoreDuetDebugLogging (1.0 - 1) <6668F777-BBF6-3ED7-8B1D-BFE70FAE43F1> /System/Library/PrivateFrameworks/CoreDuetDebugLogging.framework/Versions/A/

## CoreDuetDebugLogging

0x7fff34053000 - 0x7fff3405ffff com.apple.CoreDuetDaemonProtocol (1.0 - 1) <BEDB789E-9C60-30EB-9411-1CA97CE79017> /System/Library/PrivateFrameworks/CoreDuetDaemonProtocol.framework/Versions/A/

## CoreDuetDaemonProtocol

0x7fff342f3000 - 0x7fff345c6fff com.apple.spotlight.index (10.7.0 - 2150.26) <CD287C59-D846-34C1-9806-CEC6BBB0141A> /System/Library/PrivateFrameworks/SpotlightIndex.framework/Versions/A/SpotlightIndex

0x7fff345df000 - 0x7fff3462ffff com.apple.ChunkingLibrary (334.1 - 334.1) <95D77D1F-5373-3C85-BA2A-48923BA260FA> /System/Library/PrivateFrameworks/ChunkingLibrary.framework/Versions/A/ChunkingLibrary

0x7fff34766000 - 0x7fff347b5fff com.apple.CalDAV (8.0 - 795) <9123F457-188F-33A7-9505-EBF80D8EA93F> /System/Library/PrivateFrameworks/CalDAV.framework/Versions/A/CalDAV

0x7fff347b6000 - 0x7fff34853fff com.apple.CoreSuggestions (1.0 - 1115.519) <21B69E0E-B797-33C9-B2F6-DDA9E4F09FA9> /System/Library/PrivateFrameworks/CoreSuggestions.framework/Versions/A/CoreSuggestions

0x7fff34854000 - 0x7fff349defff com.apple.ical.EventKit (3.0 - 1414.5.1) <2A2991E1-6945-3572-8A5C-EF31CFB0BE14> /System/Library/Frameworks/EventKit.framework/Versions/A/EventKit

0x7fff349df000 - 0x7fff34cb0fff com.apple.CalendarPersistence (8.0 - 1071.4.4) <A32075E1-D8F6-3F72-8B72-426157BAEB95> /System/Library/PrivateFrameworks/CalendarPersistence.framework/Versions/A/

## CalendarPersistence

0x7fff34cb1000 - 0x7fff34cd6fff com.apple.CalendarAgentLink (8.0 - 250) <AE7D1450-22BF-3FE4-995D-6EC9596DDB7D> /System/Library/PrivateFrameworks/CalendarAgentLink.framework/Versions/A/

## CalendarAgentLink

0x7fff34cd7000 - 0x7fff34ce1fff com.apple.RTCReporting (11.85.2 - 11.85.2) <8E86B1B3-4A44-3FE8-80DE-4D556889EC9F> /System/Library/PrivateFrameworks/RTCReporting.framework/Versions/A/RTCReporting

0x7fff34ce2000 - 0x7fff34e88fff com.apple.WebKitLegacy (16611 - 16611.3.10.1.3) <AC95D59E-4AAE-3658-80EA-9072C19BC701> /System/Library/Frameworks/WebKit.framework/Versions/A/Frameworks/

WebKitLegacy.framework/Versions/A/WebKitLegacy

0x7fff34e89000 - 0x7fff34e8bfff com.apple.ConstantClasses (1.0 - 1) <3A132BB6-E7D2-3935-9E52-7C8F18D0A64B> /System/Library/PrivateFrameworks/ConstantClasses.framework/Versions/A/ConstantClasses

0x7fff34ea3000 - 0x7fff34eb8fff  
com.apple.CoreML.AppleNeuralEngine (1.0 - 1) <B507C545-F360-3823-8B87-B5C1FC6DA1BA> /System/Library/PrivateFrameworks/

AppleNeuralEngine.framework/Versions/A/AppleNeuralEngine  
0x7fff34f0e000 - 0x7fff34f79fff com.apple.audio.midi.CoreMIDI (2.0 - 88) <DD562696-7EBF-3C73-A931-8DC560E3496E> /System/Library/Frameworks/CoreMIDI.framework/Versions/A/CoreMIDI  
0x7fff3503f000 - 0x7fff35042fff com.apple.Cocoa (6.11 - 23) <104669F8-F1B4-33F8-B109-B54C4BCA1AEC> /System/Library/Frameworks/Cocoa.framework/Versions/A/Cocoa  
0x7fff3508c000 - 0x7fff35480fff com.apple.AppleMediaServices (1.0 - 1) <7E8A8B35-B62B-3EE6-918C-DA0898DB31FC> /System/Library/PrivateFrameworks/AppleMediaServices.framework/Versions/A/AppleMediaServices  
0x7fff354b8000 - 0x7fff35930fff com.apple.MediaRemote (1.0 - 1) <6E30FF19-055C-3F9A-81A5-C0780B8B2C97> /System/Library/PrivateFrameworks/MediaRemote.framework/Versions/A/MediaRemote  
0x7fff35c2c000 - 0x7fff35c33fff com.apple.DisplayServicesFW (3.1 - 380) <017F6D17-D5CF-3AD2-8817-09990A4B3A96> /System/Library/PrivateFrameworks/DisplayServices.framework/Versions/A/DisplayServices  
0x7fff3616d000 - 0x7fff36401fff libAWDSupportFramework.dylib (4205) <1452C08F-1922-319E-A816-A946AD55D427> /System/Library/PrivateFrameworks/WirelessDiagnostics.framework/Versions/A/Libraries/libAWDSupportFramework.dylib  
0x7fff36475000 - 0x7fff364a5fff libtidy.A.dylib (18.2) <704EC8CA-B014-3066-A910-A43649A6226D> /usr/lib/libtidy.A.dylib  
0x7fff364a6000 - 0x7fff364c6fff com.apple.MarkupUI (1.0 - 383.6) <B04AA7E8-4792-3AAF-BD6F-E02CF5648986> /System/Library/PrivateFrameworks/MarkupUI.framework/Versions/A/MarkupUI  
0x7fff364c7000 - 0x7fff364dafff com.apple.Engram (1.0 - 1) <27DDD872-E395-3FEA-94F5-520D80241C65> /System/Library/PrivateFrameworks/Engram.framework/Versions/A/Engram  
0x7fff364db000 - 0x7fff364fefff com.apple.openscripting (1.7 - 190) <C576593E-47B1-3CEC-BF3A-E3AF1CF3ED05> /System/Library/Frameworks/Carbon.framework/Versions/A/Frameworks/OpenScripting.framework/Versions/A/OpenScripting  
0x7fff364ff000 - 0x7fff36502fff com.apple.securityhi (9.0 - 55008) <E7151ACB-3746-3577-99D5-A606EE14BAB7> /System/Library/Frameworks/Carbon.framework/Versions/A/Frameworks/SecurityHI.framework/Versions/A/SecurityHI  
0x7fff36503000 - 0x7fff36506fff com.apple.ink.framework (10.15 - 227) <36F85463-06EA-3DF9-BD13-DED04EDA6B07> /System/Library/Frameworks/Carbon.framework/Versions/A/Frameworks/Ink.framework/Versions/A/Ink

0x7fff36507000 - 0x7fff3650afff com.apple.CommonPanels (1.2.6 - 101) <F0A710F4-F7AB-3FC4-A12C-C25A3BD07F57> /System/Library/Frameworks/Carbon.framework/Versions/A/Frameworks/CommonPanels.framework/Versions/A/CommonPanels

0x7fff3650b000 - 0x7fff36512fff com.apple.ImageCapture (1711.5.2 - 1711.5.2) <4ED1BDC7-C32A-3C40-A7E6-D16E7260BDD7> /System/Library/Frameworks/Carbon.framework/Versions/A/Frameworks/ImageCapture.framework/Versions/A/ImageCapture

0x7fff36513000 - 0x7fff37703fff com.apple.JavaScriptCore (16611 - 16611.3.10.1.3) <D57489AE-5F37-352D-9A63-38BB40468884> /System/Library/Frameworks/JavaScriptCore.framework/Versions/A/JavaScriptCore

0x7fff3776f000 - 0x7fff37881fff com.apple.AVFCapture (1.0 - 82.6) <D2FC784C-4D71-3AB4-9878-06EACE2A1A76> /System/Library/PrivateFrameworks/AVFCapture.framework/Versions/A/AVFCapture

0x7fff37882000 - 0x7fff37915fff com.apple.Quagga (47 - 47) <FA2AF0B3-ED99-3793-BB53-443A3DA17778> /System/Library/PrivateFrameworks/Quagga.framework/Versions/A/Quagga

0x7fff37916000 - 0x7fff37b60fff com.apple.CMCapture (1.0 - 82.6) <2510D5F3-4BF5-306B-AA79-39F2633E9DF0> /System/Library/PrivateFrameworks/CMCapture.framework/Versions/A/CMCapture

0x7fff37efc000 - 0x7fff37fa9fff com.apple.accounts.AccountsDaemon (113 - 113) <DC37C3A2-D47E-3BA7-9CE6-1BFA6BFE7864> /System/Library/PrivateFrameworks/AccountsDaemon.framework/Versions/A/AccountsDaemon

0x7fff37faa000 - 0x7fff37facfff com.apple.OAuth (25 - 25) <63847F1C-56B6-3B02-8705-3466B9B90B4E> /System/Library/PrivateFrameworks/OAuth.framework/Versions/A/OAuth

0x7fff3855c000 - 0x7fff3856bfff com.apple.HID (1.0 - 1) <C961E7DF-BB24-3BE5-97BA-668495DF47BA> /System/Library/PrivateFrameworks/HID.framework/Versions/A/HID

0x7fff3856c000 - 0x7fff38693fff com.apple.QuickLookUIFramework (5.0 - 928.4) <1B83EE71-8C3B-3291-9821-6EA694A47E10> /System/Library/Frameworks/Quartz.framework/Versions/A/Frameworks/QuickLookUI.framework/Versions/A/QuickLookUI

0x7fff38a66000 - 0x7fff38aecfff com.apple.coredav (1.0.1 - 889) <FA2A3496-AB27-3B38-95F1-65A508521583> /System/Library/PrivateFrameworks/CoreDAV.framework/Versions/A/CoreDAV

0x7fff38aed000 - 0x7fff38b43fff com.apple.ExchangeWebServices (8.0 - 814.100.1) <A94B2973-504A-3D0C-AF94-07F958B89FE9> /System/Library/PrivateFrameworks/ExchangeWebServices.framework/Versions/A/ExchangeWebServices



0x7fff38b44000 - 0x7fff38b84fff com.apple.MediaServices (1.0 - 1)  
<DE84F471-A3D5-3F80-BBD6-6CA852011090> /System/Library/  
PrivateFrameworks/MediaServices.framework/Versions/A/MediaServices  
0x7fff38c80000 - 0x7fff38c80fff com.apple.marco (10.0 - 1000)  
<9EA38A93-8D89-3961-B8C8-D7A3D0661094> /System/Library/  
PrivateFrameworks/Marco.framework/Versions/A/Marco  
0x7fff38e66000 - 0x7fff38e9efff  
com.apple.contacts.ContactsAutocomplete (1.0 - 1152.4) <E79E009B-  
BF83-39AF-BC40-32CCC8995288> /System/Library/PrivateFrameworks/  
ContactsAutocomplete.framework/Versions/A/ContactsAutocomplete  
0x7fff38e9f000 - 0x7fff38eabfff com.apple.KerberosHelper (4.0 - 1.0)  
<B8CA2A8A-ABB1-3306-85B4-5D3229DE06D2> /System/Library/  
PrivateFrameworks/KerberosHelper.framework/Versions/A/KerberosHelper  
0x7fff38eac000 - 0x7fff38eeffff com.apple.ResponseKit (1.0 - 165.2)  
<95E94658-A2F8-32C0-913C-7A4870EB5982> /System/Library/  
PrivateFrameworks/ResponseKit.framework/Versions/A/ResponseKit  
0x7fff38ef0000 - 0x7fff38f0ffff  
com.apple.proactive.support.ProactiveEventTracker (1.0 - 294.7)  
<94ECB028-BCDF-3165-A869-57B9D2AC3802> /System/Library/  
PrivateFrameworks/ProactiveEventTracker.framework/Versions/A/  
ProactiveEventTracker  
0x7fff39333000 - 0x7fff39333fff com.apple.PhoneNumbers (1.0 - 1)  
<8136617D-E3B9-3005-BB78-F6835402C3DC> /System/Library/  
PrivateFrameworks/PhoneNumbers.framework/Versions/A/PhoneNumbers  
0x7fff39334000 - 0x7fff3933bfff com.apple.URLFormatting (146 -  
146.22) <6637133C-261B-3255-82AA-19A55799D238> /System/Library/  
PrivateFrameworks/URLFormatting.framework/Versions/A/URLFormatting  
0x7fff3933c000 - 0x7fff3934afff  
com.apple.accessibility.AXCoreUtilities (1.0 - 1)  
<5A9A3E80-47A9-3E78-9E05-EE0034393727> /System/Library/  
PrivateFrameworks/AXCoreUtilities.framework/Versions/A/AXCoreUtilities  
0x7fff3934b000 - 0x7fff39362fff libAccessibility.dylib (2885.49)  
<279859B7-7484-3C56-AC19-8584C009C5B4> /usr/lib/  
libAccessibility.dylib  
0x7fff39363000 - 0x7fff3baadfff com.apple.WebCore (16611 -  
16611.3.10.1.3) <495B5368-EE55-318E-8EAA-65DF85E4B0C1> /System/  
Library/Frameworks/WebKit.framework/Versions/A/Frameworks/  
WebCore.framework/Versions/A/WebCore  
0x7fff3bd9d000 - 0x7fff3bdbffff  
com.apple.quicklook.QuickLookSupport (1.0 - 135.5)  
<666551FF-0FC0-37E1-923C-CED4F42DEB71> /System/Library/

PrivateFrameworks/QuickLookSupport.framework/Versions/A/

QuickLookSupport

0x7fff3bdc0000 - 0x7fff3be57fff com.apple.AirPlaySync (1.0 - 2780.10) <4C3DE71E-9BB1-3158-A2E7-460463608B97> /System/Library/

PrivateFrameworks/AirPlaySync.framework/Versions/A/AirPlaySync

0x7fff3c087000 - 0x7fff3c08afff com.apple.ExceptionHandling (1.5 - 14) <ECE197EB-650A-3353-9B84-8B071C906034> /System/Library/

Frameworks/ExceptionHandling.framework/Versions/A/ExceptionHandling

0x7fff3c08b000 - 0x7fff3c0d9fff com.apple.Safari.SafeBrowsing (16611 - 16611.3.10.1.3) <52B66D95-42C7-3246-AFDA-FB5077C39199> /System/Library/PrivateFrameworks/SafariSafeBrowsing.framework/Versions/A/SafariSafeBrowsing

0x7fff3c0da000 - 0x7fff3c8b9fff com.apple.WebKit (16611 - 16611.3.10.1.3) <210CAB5E-65D2-3299-9A6A-2F3D26A67F8F> /System/Library/Frameworks/WebKit.framework/Versions/A/WebKit

0x7fff3c9e8000 - 0x7fff3ca6bfff com.apple.CorePDF (4.0 - 529) <C1E95030-A447-336B-B918-5DEBD58E0F9C> /System/Library/

PrivateFrameworks/CorePDF.framework/Versions/A/CorePDF

0x7fff3ca6c000 - 0x7fff3ca6ffff com.apple.print.framework.Print (15 - 271) <D58D49EE-B123-3053-AEBE-78DD0F6EC66B> /System/Library/Frameworks/Carbon.framework/Versions/A/Frameworks/Print.framework/Versions/A/Print

0x7fff3ca70000 - 0x7fff3ca73fff com.apple.Carbon (160 - 164) <09D6E510-8982-35AC-AE08-1276B69F1781> /System/Library/Frameworks/Carbon.framework/Versions/A/Carbon

0x7fff3cb6c000 - 0x7fff3cb6cfff com.apple.avfoundation (2.0 - 2020.10) <C6F707A7-ACBC-3D62-BC98-CBA4D3084DA7> /System/Library/Frameworks/AVFoundation.framework/Versions/A/AVFoundation

0x7fff3cd26000 - 0x7fff3cd45fff com.apple.private.SystemPolicy (1.0 - 1) <F3DFE619-6CBB-3F1F-A8BC-B733B53AD31F> /System/Library/PrivateFrameworks/SystemPolicy.framework/Versions/A/SystemPolicy

0x7fff3ce92000 - 0x7fff3cee8fff com.apple.AccessibilitySharedSupport (1.0 - 1) <F4C01A62-125F-367B-B05E-294A2B5590DA> /System/Library/PrivateFrameworks/AccessibilitySharedSupport.framework/Versions/A/AccessibilitySharedSupport

0x7fff3cee9000 - 0x7fff3cf06fff com.apple.sidecar-core (1.0 - 231) <D3CD7C46-5448-3FFA-9624-A75AB41629E4> /System/Library/PrivateFrameworks/SidecarCore.framework/Versions/A/SidecarCore

0x7fff3cf07000 - 0x7fff3cf0afff com.apple.QuickLookNonBaseSystem (1.0 - 1) <1D8BEC85-FDDE-360D-AC50-B9CD58DFD0D3> /System/Library/

PrivateFrameworks/QuickLookNonBaseSystem.framework/Versions/A/  
QuickLookNonBaseSystem

0x7fff3d31d000 - 0x7fff3d321fff com.apple.CoreOptimization (1.0 - 1)  
<6ABF5DC6-00C9-373E-AD1B-35245AB7CBBC> /System/Library/

PrivateFrameworks/CoreOptimization.framework/Versions/A/  
CoreOptimization

0x7fff3d322000 - 0x7fff3d328fff com.apple.FeatureFlagsSupport (1.0 -  
28.60.1) <1606FD90-3C0F-311D-B20F-20A52CCF94C4> /System/Library/

PrivateFrameworks/FeatureFlagsSupport.framework/Versions/A/  
FeatureFlagsSupport

0x7fff3d499000 - 0x7fff3d4b0fff com.apple.SafariServices.framework  
(16611 - 16611.3.10.1.3) <5E65DF25-F6F5-3178-AA75-F49EA8C635B1> /

System/Library/Frameworks/SafariServices.framework/Versions/A/  
SafariServices

0x7fff3d663000 - 0x7fff3d66efff com.apple.MallocStackLogging (1.0 -  
1) <BBD3F65B-90E9-3107-A8E8-81D708226D26> /System/Library/

PrivateFrameworks/MallocStackLogging.framework/Versions/A/  
MallocStackLogging

0x7fff3d683000 - 0x7fff3d695fff libmis.dylib (274.140.2) <AAF43CF3-  
AA45-3247-B281-4436E849D1EC> /usr/lib/libmis.dylib

0x7fff3d696000 - 0x7fff3d699fff com.apple.gpusw.GPURawCounter  
(20.3 - 12.0) <D3223F20-F183-3D98-967D-AF5E4417E4D3> /System/

Library/PrivateFrameworks/GPURawCounter.framework/Versions/A/  
GPURawCounter

0x7fff3d6b2000 - 0x7fff3d821fff com.apple.CoreHandwriting (161 -  
1.2) <F088B55A-987A-3962-AE3C-D68BEDC080AB> /System/Library/

PrivateFrameworks/CoreHandwriting.framework/Versions/A/CoreHandwriting

0x7fff3d822000 - 0x7fff3da7dfff com.apple.imageKit (3.0 - 1100)

<F445F41D-5E6A-3B4B-B986-C4CD2CEFBEA6> /System/Library/

Frameworks/Quartz.framework/Versions/A/Frameworks/ImageKit.framework/  
Versions/A/ImageKit

0x7fff3da7e000 - 0x7fff3db94fff com.apple.PencilKit (1.0 - 1)  
<A2A85319-36AF-3B79-99CD-D2629F920A84> /System/Library/

Frameworks/PencilKit.framework/Versions/A/PencilKit

0x7fff3db95000 - 0x7fff3dba6fff com.apple.sidecar-ui (1.0 - 231)

<CAEFECE6-AB58-3C74-B436-25571103875D> /System/Library/

PrivateFrameworks/SidecarUI.framework/Versions/A/SidecarUI

0x7fff3dbb2000 - 0x7fff3dbb5fff com.apple.WebInspectorUI (16611 -  
16611.3.10.1.3) <61F42EC4-19C2-32B4-BCC2-5CEF6457CCF0> /System/

Library/PrivateFrameworks/WebInspectorUI.framework/Versions/A/

WebInspectorUI

0x7fff3e1c9000 - 0x7fff3e22bfff com.apple.ImageCaptureCore (1711.5.2 - 1711.5.2) <16926CD0-DA72-3712-90C3-D91702B3E9BB> /System/Library/Frameworks/ImageCaptureCore.framework/Versions/A/ImageCaptureCore

0x7fff3e22c000 - 0x7fff3e251fff com.apple.quartzfilters (1.10.0 - 98) <EF53F485-4031-3014-9B73-78D4C6FA3957> /System/Library/Frameworks/Quartz.framework/Versions/A/Frameworks/QuartzFilters.framework/Versions/A/QuartzFilters

0x7fff3e49d000 - 0x7fff3e5fffff com.apple.MediaPlayer (1.0 - 1.0) <2FC2AD32-1836-3C8F-88D4-6A28C5CF084A> /System/Library/Frameworks/MediaPlayer.framework/Versions/A/MediaPlayer

0x7fff3e600000 - 0x7fff3e8e1fff com.apple.iTunesCloud (1.0 - 1) <08BB898E-094D-3A94-88D3-73F3D31744E9> /System/Library/PrivateFrameworks/iTunesCloud.framework/Versions/A/iTunesCloud

0x7fff3e90d000 - 0x7fff3ea39fff com.apple.AnnotationKit (1.0 - 383.6) <D86F69DD-8ADD-35BE-A752-6EBC8757A77C> /System/Library/PrivateFrameworks/AnnotationKit.framework/Versions/A/AnnotationKit

0x7fff3ea3a000 - 0x7fff3eedafff com.apple.QuartzComposer (5.1 - 383) <FDCAA73E-A82E-376D-B9B1-2BF9B51A87C2> /System/Library/Frameworks/Quartz.framework/Versions/A/Frameworks/QuartzComposer.framework/Versions/A/QuartzComposer

0x7fff3eedb000 - 0x7fff3efc3fff com.apple.PDFKit (1.0 - 950.40.3) <C9C6EEC9-837B-377D-AC01-A393CF166CE1> /System/Library/Frameworks/PDFKit.framework/Versions/A/PDFKit

0x7fff3fd0a000 - 0x7fff3fd87fff com.apple.TextInput (1.0 - 1.0) <DEB799D4-532E-3EB1-ABED-0670719AFB76> /System/Library/PrivateFrameworks/TextInput.framework/Versions/A/TextInput

0x7fff40acb000 - 0x7fff40ad6fff com.apple.CaptiveNetworkSupport (13.0 - 1) <268333B1-4DFD-32A6-AA8D-54F3F0FA2C04> /System/Library/PrivateFrameworks/CaptiveNetwork.framework/Versions/A/CaptiveNetwork

0x7fff40f22000 - 0x7fff40f25fff com.apple.quartzframework (1.5 - 25) <41049D8A-5874-3CC5-8B63-4F015F3A1EF1> /System/Library/Frameworks/Quartz.framework/Versions/A/Quartz

0x7fff4134a000 - 0x7fff41368fff libCGInterfaces.dylib (544.4) <D5D0AD69-E651-3BE2-B87A-4A035DCD9DBF> /System/Library/Frameworks/Accelerate.framework/Versions/A/Frameworks/vImage.framework/Versions/A/Libraries/libCGInterfaces.dylib

0x7fff429e8000 - 0x7fff43748fff libfaceCore.dylib (4.3.1) <B2E09ED7-0FEE-39D2-BEA9-067E65593131> /System/Library/Frameworks/Vision.framework/libfaceCore.dylib

0x7fff43749000 - 0x7fff4385cfff com.apple.TextRecognition (1.0 - 157)

<2CF1F93F-5EDC-30D5-A751-5901FE66082A> /System/Library/  
PrivateFrameworks/TextRecognition.framework/Versions/A/TextRecognition  
0x7fff4385d000 - 0x7fff43875fff com.apple.Futhark (1.0 - 1)  
<60A3A9A7-315A-3E15-B716-CAFCAE562067> /System/Library/  
PrivateFrameworks/Futhark.framework/Versions/A/Futhark  
0x7fff438f7000 - 0x7fff43b6afff com.apple.RawCamera.bundle (9.10.0  
- 1450.3) <B52BB328-7FEE-304D-AFE1-532021A21ED6> /System/Library/  
CoreServices/RawCamera.bundle/Contents/MacOS/RawCamera  
0x7fff443d3000 - 0x7fff443d7fff com.apple.DAAPKit (1.0 - 1)  
<22E1B442-3398-3945-92CC-3CF6F9135D77> /System/Library/  
PrivateFrameworks/DAAPKit.framework/Versions/A/DAAPKit  
0x7fff45d4e000 - 0x7fff45d51fff libpmenergy.dylib (227.140.1)  
<204D98CA-A3BD-3C17-9B2B-23C230BAC19A> /usr/lib/libpmenergy.dylib  
0x7fff47a73000 - 0x7fff47ab3fff com.apple.osanalytics.OSAnalytics  
(1.0 - 1) <B1623916-5735-37BC-B424-0EFAD8662D74> /System/Library/  
PrivateFrameworks/OSAnalytics.framework/Versions/A/OSAnalytics  
0x7fff48301000 - 0x7fff4831cfff  
com.apple.network.statistics.framework (1.2 - 1) <E30A84CF-6BAA-3624-  
ACAA-7E5F70FE6A32> /System/Library/PrivateFrameworks/  
NetworkStatistics.framework/Versions/A/NetworkStatistics  
0x7fff4a0ca000 - 0x7fff4a0cdfff  
com.apple.private.XprotectFrameWork.XprotectFramework (1.0 - 1)  
<BC35E8C5-5340-3674-A47C-F3666AB4932A> /System/Library/  
PrivateFrameworks/XprotectFramework.framework/Versions/A/  
XprotectFramework  
0x7fff51730000 - 0x7fff517cffff com.apple.Symbolication (12.5 -  
64544.70.1) <3A006E5D-FE72-3D34-B887-4EF7824B5A4B> /System/  
Library/PrivateFrameworks/Symbolication.framework/Versions/A/  
Symbolication  
0x7fff519bf000 - 0x7fff519c2fff libpmsample.dylib (227.140.1)  
<FF6DF602-C227-3029-A0BB-C24C02839B2A> /usr/lib/libpmsample.dylib  
0x7fff53ddb000 - 0x7fff53df0fff com.apple.ScriptingBridge (1.4 - 80)  
<485CA10B-B410-3B5B-8C1D-B23C6A3E9B3E> /System/Library/  
Frameworks/ScriptingBridge.framework/Versions/A/ScriptingBridge  
0x7fff54057000 - 0x7fff5408dfff com.apple.ReplayKit (1.0 - 1)  
<30234AD9-7C1E-34D9-9C34-0752C0B145EC> /System/Library/  
Frameworks/ReplayKit.framework/Versions/A/ReplayKit  
0x7fff55684000 - 0x7fff55687fff com.apple.ForceFeedback (1.0.6 -  
1.0.6) <33BBDF0-142A-36C2-BF87-9BE9A8CE6543> /System/Library/  
Frameworks/ForceFeedback.framework/Versions/A/ForceFeedback  
0x7fff61e32000 - 0x7fff61ea9fff

com.apple.driver.AppleIntelHD5000GraphicsMTLDriver (16.5.2 - 16.0.5)  
<BC67545D-6641-33D1-9D68-B7D8BB13F14A> /System/Library/  
Extensions/AppleIntelHD5000GraphicsMTLDriver.bundle/Contents/MacOS/  
AppleIntelHD5000GraphicsMTLDriver  
0x7fff69780000 - 0x7fff69784fff libmetal\_timestamp.dylib  
(31001.192.1) <6DF2DFF7-F8BE-3B77-8C85-0FE5E858F67E> /System/  
Library/PrivateFrameworks/GPUCompiler.framework/Versions/31001/  
Libraries/libmetal\_timestamp.dylib  
0x7fff6bbcb000 - 0x7fff6bbd1fff libCoreFSCache.dylib (200.10)  
<D26083D4-A370-3C8D-A13E-32D69EBF73EF> /System/Library/  
Frameworks/OpenGL.framework/Versions/A/Libraries/libCoreFSCache.dylib  
0x7fff6bbd2000 - 0x7fff6bbd6fff libCoreVMClient.dylib (200.10)  
<E582E0A3-2898-301C-9B5A-A17978ACFAA7> /System/Library/  
Frameworks/OpenGL.framework/Versions/A/Libraries/libCoreVMClient.dylib  
0x7fff6bbd7000 - 0x7fff6bbe6fff com.apple.opengl (18.5.9 - 18.5.9)  
<149F2F08-3FD7-3271-945C-238BDCAA3133> /System/Library/  
Frameworks/OpenGL.framework/Versions/A/OpenGL  
0x7fff6bbe7000 - 0x7fff6bbe9fff libCVMSPuginSupport.dylib (18.5.9)  
<97DC9BD9-1BED-3D17-B499-3967775A011C> /System/Library/  
Frameworks/OpenGL.framework/Versions/A/Libraries/  
libCVMSPuginSupport.dylib  
0x7fff6bbea000 - 0x7fff6bbf2fff libGFXShared.dylib (18.5.9)  
<7B502C01-1C03-3388-878B-A0A85223F3A5> /System/Library/  
Frameworks/OpenGL.framework/Versions/A/Libraries/libGFXShared.dylib  
0x7fff6bbf3000 - 0x7fff6bc26fff libGLImage.dylib (18.5.9)  
<2CCBC785-6F45-33DE-B790-066AF4C69048> /System/Library/  
Frameworks/OpenGL.framework/Versions/A/Libraries/libGLImage.dylib  
0x7fff6bc27000 - 0x7fff6bc63fff libGLU.dylib (18.5.9) <53602650-  
F093-334F-9D96-2B4FE2359E7A> /System/Library/Frameworks/  
OpenGL.framework/Versions/A/Libraries/libGLU.dylib  
0x7fff6bdf8000 - 0x7fff6be02fff libGL.dylib (18.5.9) <9E1A856D-  
D393-3FDC-ABDF-E29282A6B83E> /System/Library/Frameworks/  
OpenGL.framework/Versions/A/Libraries/libGL.dylib  
0x7fff6d242000 - 0x7fff6d29afff com.apple.opencl (4.6 - 4.6)  
<5FD1A8D9-17B9-316B-8CA4-6BE553B936CE> /System/Library/  
Frameworks/OpenCL.framework/Versions/A/OpenCL  
0x7fff6e34c000 - 0x7fff6e433fff com.apple.audio.AVFAudio (1.0 -  
477.88) <EF056B2E-7EA6-3C48-B7BD-B8DFD1D3EE42> /System/Library/  
Frameworks/AVFAudio.framework/Versions/A/AVFAudio  
0x7fff6e479000 - 0x7fff6e48afff com.apple.AppleScriptObjC (1.4 - 39)  
<3076C296-DB44-3B63-8ED5-F91A676E16E4> /System/Library/

Frameworks/AppleScriptObjC.framework/Versions/A/AppleScriptObjC  
0x7fff6e627000 - 0x7fff6e828fff com.apple.AutomatorFramework  
(2.10 - 509) <A83783D0-675F-3261-A409-13BBFCEE7723> /System/  
Library/Frameworks/Automator.framework/Versions/A/Automator  
0x7fff6ebfe000 - 0x7fff6ec2efff com.apple.OSAKit (1.5 - 112)  
<AAC4EC80-A735-3EDF-9523-7B289112CE91> /System/Library/  
Frameworks/OSAKit.framework/Versions/A/OSAKit  
0x7fff6f9b1000 - 0x7fff6f9c3fff com.apple.CMImaging (1.0 - 82.6)  
<52BE242A-031F-32BC-A52A-3077BF796AF8> /System/Library/  
PrivateFrameworks/CMImaging.framework/Versions/A/CMImaging  
0x7fff73cc5000 - 0x7fff73cd0fff com.apple.SymptomAnalytics (1.0 -  
1431.140.1) <03148D11-B60E-3C7A-9329-37D39EFD2AF1> /System/Library/  
PrivateFrameworks/Symptoms.framework/Frameworks/  
SymptomAnalytics.framework/Versions/A/SymptomAnalytics  
0x7fff73ee6000 - 0x7fff73efefff com.apple.SymptomPresentationFeed  
(1.0 - 1431.140.1) <F8B6EBBE-9A6C-3D4D-BA50-F40D12B557BB> /System/  
Library/PrivateFrameworks/Symptoms.framework/Frameworks/  
SymptomPresentationFeed.framework/Versions/A/SymptomPresentationFeed  
0x7fff77a76000 - 0x7fff77a7dfff libRosetta.dylib (203.58) <A7FFAFB5-  
B0AB-312E-8EB6-FAF56D76FB7D> /usr/lib/libRosetta.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: 0  
thread\_create: 0  
thread\_set\_state: 0

#### VM Region Summary:

ReadOnly portion of Libraries: Total=1.2G resident=0K(0%)

swapped\_out\_or\_unallocated=1.2G(100%)

Writable regions: Total=1.2G written=0K(0%) resident=0K(0%)

swapped\_out=0K(0%) unallocated=1.2G(100%)

VIRTUAL REGION			
REGION TYPE	SIZE	COUNT	(non-coalesced)
=====	=====	=====	
Accelerate framework	384K	3	
Activity Tracing	256K	1	
CG backing stores	3792K	6	
CG image	1004K	38	
CoreAnimation	223.5M	363	
CoreGraphics	12K	2	
CoreServices	16K	1	
CoreUI image data	1768K	16	
Foundation	16K	1	
Image IO	176K	12	
Kernel Alloc Once	8K	1	
MALLOC	514.7M	392	
MALLOC guard page	32K	8	
MALLOC_NANO (reserved)	256.0M	1	reserved VM address
space (unallocated)			
Mach message	32K	6	
Memory Tag 255	264.3M	44	
STACK GUARD	56.1M	32	
Stack	56.7M	32	
VM_ALLOCATE	159.8M	686	
__DATA	43.2M	540	
__DATA_CONST	30.2M	322	
__DATA_DIRTY	1807K	223	
__FONT_DATA	4K	1	
__LINKEDIT	562.0M	40	
__OBJC_RO	70.2M	1	
__OBJC_RW	2496K	2	
__TEXT	643.8M	526	
__UNICODE	588K	1	
mapped file	1.9G	1923	
shared memory	776K	19	
=====	=====	=====	
TOTAL	4.7G	5243	
TOTAL, minus reserved VM space	4.4G	5243	

Model: MacBookPro11,1, BootROM 431.140.6.0.0, 2 processors, Dual-Core Intel Core i5, 2.6 GHz, 8 GB, SMC 2.16f68  
Graphics: kHW\_IntelIrisItem, Intel Iris, spdisplays\_builtin



Memory Module: BANK 0/DIMM0, 4 GB, DDR3, 1600 MHz, 0x80AD,  
0x484D54343531533641465238412D50422020

Memory Module: BANK 1/DIMM0, 4 GB, DDR3, 1600 MHz, 0x80AD,  
0x484D54343531533641465238412D50422020

AirPort: spairport\_wireless\_card\_type\_airport\_extreme (0x14E4, 0x112),  
Broadcom BCM43xx 1.0 (7.77.111.1 AirPortDriverBrcmNIC-1680.8)

Bluetooth: Version 8.0.5d7, 3 services, 19 devices, 1 incoming serial ports

Network Service: Wi-Fi, AirPort, en0

Serial ATA Device: APPLE SSD SM0256F, 251 GB

USB Device: USB 3.0 Bus

USB Device: Apple Internal Keyboard / Trackpad

USB Device: BRCM20702 Hub

USB Device: Bluetooth USB Host Controller

USB Device: USB Receiver

Thunderbolt Bus: MacBook Pro, Apple Inc., 17.2