

Process: X-Plane [679]  
Path: /Users/USER/Desktop/\*/X-Plane.app/Contents/MacOS/X-Plane  
Identifier: com.laminar\_research.X-Plane  
Version: 10.45r2 (398)  
Code Type: X86-64 (Native)  
Parent Process: ??? [1]  
Responsible: X-Plane [679]  
User ID: 502

Date/Time: 2016-05-05 00:58:16.953 +0200  
OS Version: Mac OS X 10.11.4 (15E65)  
Report Version: 11  
Anonymous UUID: B76B0745-A375-470C-9FBD-3D0B2E862980

Time Awake Since Boot: 10000 seconds

System Integrity Protection: enabled

Crashed Thread: 7

Exception Type: EXC\_CRASH (SIGABRT)  
Exception Codes: 0x0000000000000000, 0x0000000000000000  
Exception Note: EXC\_CORPSE\_NOTIFY

Application Specific Information:

abort() called

\*\*\* error for object 0x15dad4bd0: pointer being freed was not allocated

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

0 libsystem\_kernel.dylib 0x00007fff944f0ea6  
\_kernelrpc\_mach\_vm\_deallocate\_trap + 10  
1 libsystem\_kernel.dylib 0x00007fff944f5c2b mach\_vm\_deallocate + 25  
2 GLEngine 0x00007fff91a177f0 gleFreeOrphan + 188  
3 GLEngine 0x00007fff91a17443 gleCleanupOrphans + 26  
4 GLEngine 0x00007fff91a172d1 gleOrphanBufferObject + 481  
5 GLEngine 0x00007fff91951a5e glDeleteBuffers\_Exec + 2198  
6 com.laminar\_research.X-Plane 0x00000001000be401  
OGL\_chunkybuffer::~~OGL\_chunkybuffer() + 225  
7 com.laminar\_research.X-Plane 0x00000001000eb931  
xdl\_destroy\_group(xdl\_group\*) + 65  
8 com.laminar\_research.X-Plane 0x00000001000eb993 xdl\_destroy(xdl\*) + 35  
9 com.laminar\_research.X-Plane 0x0000000100b7314f  
hi\_res\_planet(rendering\_pass, int, int, int, int) + 3023

```
10 com.laminar_research.X-Plane      0x0000000100b751d4
plan_class::plan_plot(rendering_pass) + 788
11 com.laminar_research.X-Plane      0x0000000100b10ed6
WORLD_scene_per_render(rendering_pass, float, float, float, float) + 18582
12 com.laminar_research.X-Plane      0x0000000100b11f9c
WORLD_scene_per_frame(int) + 2124
13 com.laminar_research.X-Plane      0x00000001004f8f92 APP_update() + 3442
14 com.laminar_research.X-Plane      0x0000000100df8615
MACIBM_post_event_proc() + 213
15 com.laminar_research.X-Plane      0x0000000100dd50db WIN_run_app + 43
16 com.laminar_research.X-Plane      0x00000001004fbf27 main + 103
17 com.laminar_research.X-Plane      0x00000001003f14c0 start + 52
```

Thread 1:: Dispatch queue: com.apple.libdispatch-manager

```
0 libsystem_kernel.dylib             0x00007fff944f7efa kevent_qos + 10
1 libdispatch.dylib                  0x00007fff9521a165 _dispatch_mgr_invoke + 216
2 libdispatch.dylib                  0x00007fff95219dcd _dispatch_mgr_thread + 52
```

Thread 2:

```
0 libsystem_m.dylib                  0x00007fff96259f49 0x7fff9624d000 + 53065
1 com.laminar_research.X-Plane      0x0000000100e7e304
wxr_region_class::get_num_puffs(wxr_check_type_t, char const*, float, float, float, float,
float*, float*, float*, int*, float*, float (*) [6]) + 3540
2 com.laminar_research.X-Plane      0x0000000100e8fe9c
wxr_bucket_3d_class::wrx_bucket_3d_class(wxr_bucket_3d_descrip const&, int) + 7292
3 com.laminar_research.X-Plane      0x0000000100e985fc
UTL_bucket_task<wrx_bucket_3d_class, wxr_bucket_3d_descrip, 4, 4, 4>::do_it(int) +
108
4 com.laminar_research.X-Plane      0x00000001005efc90
UTL_threadpool::thread_func(void*) + 80
5 com.laminar_research.X-Plane      0x0000000100e26395 THREAD_launch(void*)
+ 69
6 libsystem_pthread.dylib            0x00007fff918ef99d _pthread_body + 131
7 libsystem_pthread.dylib            0x00007fff918ef91a _pthread_start + 168
8 libsystem_pthread.dylib            0x00007fff918ed351 thread_start + 13
```

Thread 3:

```
0 libsystem_m.dylib                  0x00007fff96259ef0 0x7fff9624d000 + 52976
1 com.laminar_research.X-Plane      0x0000000100e7e304
wxr_region_class::get_num_puffs(wxr_check_type_t, char const*, float, float, float, float,
float*, float*, float*, int*, float*, float (*) [6]) + 3540
2 com.laminar_research.X-Plane      0x0000000100e8fe9c
wxr_bucket_3d_class::wrx_bucket_3d_class(wxr_bucket_3d_descrip const&, int) + 7292
3 com.laminar_research.X-Plane      0x0000000100e985fc
UTL_bucket_task<wrx_bucket_3d_class, wxr_bucket_3d_descrip, 4, 4, 4>::do_it(int) +
```

108

4 com.laminar\_research.X-Plane 0x00000001005efc90  
UTL\_threadpool::thread\_func(void\*) + 80  
5 com.laminar\_research.X-Plane 0x0000000100e26395 THREAD\_launch(void\*)  
+ 69  
6 libsystem\_pthread.dylib 0x00007fff918ef99d \_pthread\_body + 131  
7 libsystem\_pthread.dylib 0x00007fff918ef91a \_pthread\_start + 168  
8 libsystem\_pthread.dylib 0x00007fff918ed351 thread\_start + 13

Thread 4:

0 com.laminar\_research.X-Plane 0x0000000100e7d271  
wrx\_region\_class::get\_bas\_top(float, float, float, float, float, float, float, float\*, float\*, int) +  
705  
1 com.laminar\_research.X-Plane 0x0000000100e7e304  
wrx\_region\_class::get\_num\_puffs(wrx\_check\_type\_t, char const\*, float, float, float, float,  
float\*, float\*, float\*, int\*, float\*, float (\*) [6]) + 3540  
2 com.laminar\_research.X-Plane 0x0000000100e8fe9c  
wrx\_bucket\_3d\_class::wrx\_bucket\_3d\_class(wrx\_bucket\_3d\_descrip const&, int) + 7292  
3 com.laminar\_research.X-Plane 0x0000000100e985fc  
UTL\_bucket\_task<wrx\_bucket\_3d\_class, wxr\_bucket\_3d\_descrip, 4, 4, 4>::do\_it(int) +  
108  
4 com.laminar\_research.X-Plane 0x00000001005efc90  
UTL\_threadpool::thread\_func(void\*) + 80  
5 com.laminar\_research.X-Plane 0x0000000100e26395 THREAD\_launch(void\*)  
+ 69  
6 libsystem\_pthread.dylib 0x00007fff918ef99d \_pthread\_body + 131  
7 libsystem\_pthread.dylib 0x00007fff918ef91a \_pthread\_start + 168  
8 libsystem\_pthread.dylib 0x00007fff918ed351 thread\_start + 13

Thread 5:

0 com.laminar\_research.X-Plane 0x0000000100e7d20b  
wrx\_region\_class::get\_bas\_top(float, float, float, float, float, float, float, float\*, float\*, int) +  
603  
1 com.laminar\_research.X-Plane 0x0000000100e7e304  
wrx\_region\_class::get\_num\_puffs(wrx\_check\_type\_t, char const\*, float, float, float, float,  
float\*, float\*, float\*, int\*, float\*, float (\*) [6]) + 3540  
2 com.laminar\_research.X-Plane 0x0000000100e8fe9c  
wrx\_bucket\_3d\_class::wrx\_bucket\_3d\_class(wrx\_bucket\_3d\_descrip const&, int) + 7292  
3 com.laminar\_research.X-Plane 0x0000000100e985fc  
UTL\_bucket\_task<wrx\_bucket\_3d\_class, wxr\_bucket\_3d\_descrip, 4, 4, 4>::do\_it(int) +  
108  
4 com.laminar\_research.X-Plane 0x00000001005efc90  
UTL\_threadpool::thread\_func(void\*) + 80  
5 com.laminar\_research.X-Plane 0x0000000100e26395 THREAD\_launch(void\*)  
+ 69

```
6 libsystem_pthread.dylib      0x00007fff918ef99d _pthread_body + 131
7 libsystem_pthread.dylib      0x00007fff918ef91a _pthread_start + 168
8 libsystem_pthread.dylib      0x00007fff918ed351 thread_start + 13
```

Thread 6:

```
0 libsystem_kernel.dylib      0x00007fff944f106e syscall_thread_switch + 10
1 libsystem_platform.dylib    0x00007fff8e879daf _OSSpinLockLockSlow + 65
2 GLEngine                     0x00007fff91951027 glBindBuffer_Exec + 113
3 com.laminar_research.X-Plane 0x0000000100e906fd
wrx_bucket_3d_class::wrx_bucket_3d_class(wrx_bucket_3d_descrip const&, int) + 9437
4 com.laminar_research.X-Plane 0x0000000100e985fc
UTL_bucket_task<wrx_bucket_3d_class, wxr_bucket_3d_descrip, 4, 4, 4>::do_it(int) +
108
5 com.laminar_research.X-Plane 0x00000001005efc90
UTL_threadpool::thread_func(void*) + 80
6 com.laminar_research.X-Plane 0x0000000100e26395 THREAD_launch(void*)
+ 69
7 libsystem_pthread.dylib      0x00007fff918ef99d _pthread_body + 131
8 libsystem_pthread.dylib      0x00007fff918ef91a _pthread_start + 168
9 libsystem_pthread.dylib      0x00007fff918ed351 thread_start + 13
```

Thread 7 Crashed:

```
0 libsystem_kernel.dylib      0x00007fff944f6f06 __pthread_kill + 10
1 libsystem_pthread.dylib     0x00007fff918f24ec pthread_kill + 90
2 libsystem_c.dylib           0x00007fff9b74e787 __abort + 145
3 libsystem_c.dylib           0x00007fff9b74e6f6 abort + 144
4 libsystem_malloc.dylib      0x00007fff9aec4041 free + 425
5 com.laminar_research.X-Plane 0x00000001002a4052 void
REN_quadtree<scene_objct_traits,
4>::remove_all_node<kill_bucket_item<scene_objct_struct>
>(REN_quadtree<scene_objct_traits, 4>::Node*, kill_bucket_item<scene_objct_struct>
const&) + 482
6 com.laminar_research.X-Plane 0x00000001002c8a6b
REN_layer::~~REN_layer() + 459
7 com.laminar_research.X-Plane 0x000000010029f13e
REN_degree::~~REN_degree() + 1278
8 com.laminar_research.X-Plane 0x0000000100c7eae4
async_nuke_dsf::do_it(int) + 36
9 com.laminar_research.X-Plane 0x00000001005efc90
UTL_threadpool::thread_func(void*) + 80
10 com.laminar_research.X-Plane 0x0000000100e26395 THREAD_launch(void*)
+ 69
11 libsystem_pthread.dylib     0x00007fff918ef99d _pthread_body + 131
12 libsystem_pthread.dylib     0x00007fff918ef91a _pthread_start + 168
13 libsystem_pthread.dylib     0x00007fff918ed351 thread_start + 13
```

Thread 8:

0 com.laminar\_research.X-Plane 0x0000000100e7e428  
wxr\_region\_class::get\_num\_puffs(wxr\_check\_type\_t, char const\*, float, float, float, float,  
float\*, float\*, float\*, int\*, float\*, float (\*) [6]) + 3832  
1 com.laminar\_research.X-Plane 0x0000000100e8fe9c  
wxr\_bucket\_3d\_class::wxr\_bucket\_3d\_class(wxr\_bucket\_3d\_descrip const&, int) + 7292  
2 com.laminar\_research.X-Plane 0x0000000100e985fc  
UTL\_bucket\_task<wxr\_bucket\_3d\_class, wxr\_bucket\_3d\_descrip, 4, 4, 4>::do\_it(int) +  
108  
3 com.laminar\_research.X-Plane 0x00000001005efc90  
UTL\_threadpool::thread\_func(void\*) + 80  
4 com.laminar\_research.X-Plane 0x0000000100e26395 THREAD\_launch(void\*)  
+ 69  
5 libsystem\_pthread.dylib 0x00007fff918ef99d \_pthread\_body + 131  
6 libsystem\_pthread.dylib 0x00007fff918ef91a \_pthread\_start + 168  
7 libsystem\_pthread.dylib 0x00007fff918ed351 thread\_start + 13

Thread 9:: com.apple.audio.IOThread.client

0 libsystem\_kernel.dylib 0x00007fff944f0f72 mach\_msg\_trap + 10  
1 libsystem\_kernel.dylib 0x00007fff944f03b3 mach\_msg + 55  
2 com.apple.audio.CoreAudio 0x00007fff98ab85ee  
HALB\_MachPort::SendMessageWithReply(unsigned int, unsigned int, unsigned int,  
unsigned int, mach\_msg\_header\_t\*, bool, unsigned int) + 98  
3 com.apple.audio.CoreAudio 0x00007fff98ab857c  
HALB\_MachPort::SendSimpleMessageWithSimpleReply(unsigned int, unsigned int, int,  
int&, bool, unsigned int) + 42  
4 com.apple.audio.CoreAudio 0x00007fff98ab6939  
HALC\_ProxyIOContext::IOWorkLoop() + 1149  
5 com.apple.audio.CoreAudio 0x00007fff98ab63ee  
HALC\_ProxyIOContext::IOThreadEntry(void\*) + 88  
6 com.apple.audio.CoreAudio 0x00007fff98ab62c3  
HALB\_IOThread::Entry(void\*) + 75  
7 libsystem\_pthread.dylib 0x00007fff918ef99d \_pthread\_body + 131  
8 libsystem\_pthread.dylib 0x00007fff918ef91a \_pthread\_start + 168  
9 libsystem\_pthread.dylib 0x00007fff918ed351 thread\_start + 13

Thread 10:

0 libsystem\_kernel.dylib 0x00007fff944f0fc6 semaphore\_timedwait\_trap + 10  
1 com.laminar\_research.X-Plane 0x0000000100104aed  
UTL\_platform\_semaphore\_dec(UTL\_semaphore\*, int) + 77  
2 com.laminar\_research.X-Plane 0x0000000100104d61  
UTL\_semaphore\_dec(UTL\_semaphore\*, int) + 97  
3 com.laminar\_research.X-Plane 0x00000001000f7c3d void\*  
UTL\_message\_queue\_read<void\*>(UTL\_message\_queue<void\*>\*, int) + 45

4 com.laminar\_research.X-Plane 0x00000001008592d7  
run\_g1000\_g430\_thread(void\*) + 375  
5 com.laminar\_research.X-Plane 0x0000000100e26395 THREAD\_launch(void\*)  
+ 69  
6 libsystem\_pthread.dylib 0x00007fff918ef99d \_pthread\_body + 131  
7 libsystem\_pthread.dylib 0x00007fff918ef91a \_pthread\_start + 168  
8 libsystem\_pthread.dylib 0x00007fff918ed351 thread\_start + 13

Thread 11:

0 libsystem\_kernel.dylib 0x00007fff944f7eca kevent + 10  
1 mac.xpl 0x000000008d8e6f25  
t71boost::asio::detail::kqueue\_reactor::run(bool,  
t71boost::asio::detail::op\_queue<t71boost::asio::detail::task\_io\_service\_operation>&) +  
261  
2 mac.xpl 0x000000008d8e6b7c  
t71boost::asio::detail::task\_io\_service::do\_run\_one(t71boost::asio::detail::scoped\_lock<t  
71boost::asio::detail::posix\_mutex>&,  
t71boost::asio::detail::task\_io\_service\_thread\_info&, t71boost::system::error\_code  
const&) + 380  
3 mac.xpl 0x000000008d8e67c5  
t71boost::asio::detail::task\_io\_service::run(t71boost::system::error\_code&) + 181  
4 mac.xpl 0x000000008d8e26b9 RemoteCDU3::server::server::run() +  
41  
5 mac.xpl 0x000000008da97e9a t71boost::(anonymous  
namespace)::thread\_proxy(void\*) + 138  
6 libsystem\_pthread.dylib 0x00007fff918ef99d \_pthread\_body + 131  
7 libsystem\_pthread.dylib 0x00007fff918ef91a \_pthread\_start + 168  
8 libsystem\_pthread.dylib 0x00007fff918ed351 thread\_start + 13

Thread 7 crashed with X86 Thread State (64-bit):

rax: 0x0000000000000000 rbx: 0x0000000000000006 rcx: 0x00007000007bdac8  
rdx: 0x0000000000000000  
rdi: 0x00000000000009c03 rsi: 0x0000000000000006 rbp: 0x00007000007bdaf0 rsp:  
0x00007000007bdac8  
r8: 0x0000000000000000 r9: 0x0000000000989680 r10: 0x0000000008000000  
r11: 0x0000000000000206  
r12: 0x000000000000bf00 r13: 0x0000000000000003 r14: 0x00007000007be000  
r15: 0x0000000000000000  
rip: 0x00007fff944f6f06 rfi: 0x0000000000000206 cr2: 0x00000000ebd4c000

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

Binary Images:

0x10000 - 0x36ff7 com.apple.audio.OpenAL (1.8 - 1.8) <9C322240-9854-3114-98ED-6CAABD436EEB>  
/System/Library/Frameworks/OpenAL.framework/Versions/A/OpenAL  
0x49000 - 0x4dfff com.apple.agl (3.3.1 - AGL-3.3.1) <9F89C357-50A4-3978-93AB-D2E68CCFA834>  
/System/Library/Frameworks/AGL.framework/Versions/A/AGL  
0x55000 - 0x57fff com.apple.ForceFeedback (1.0.6 - 1.0.6) <2CCA0B39-2B72-3B89-B698-42A57FE59E27>  
/System/Library/Frameworks/ForceFeedback.framework/Versions/A/ForceFeedback  
0x5d000 - 0x64fff +com.googlecode.google-breakpad (1.0) <D40F69E5-0F60-C476-668A-E1CB9B0DFA6F> /Users/USER/Desktop/\*/X-Plane.app/Contents/Frameworks/Breakpad.framework/Versions/A/Breakpad  
0x70000 - 0x81fe7 +breakpadUtilities.dylib (1) <0B629D05-BC04-EB6D-7D62-1D108165D719> /Users/USER/Desktop/\*/X-Plane.app/Contents/Frameworks/Breakpad.framework/Resources/breakpadUtilities.dylib  
0xa4fc000 - 0xa4fcfe7 +cl\_kernels (???) <47941FCF-86A7-4E74-9B4C-597ED785DE0F> cl\_kernels  
0xd900000 - 0xd9b4fff com.apple.AMDRadeonX4000GLDriver (1.42.6 - 1.4.2) <F5F98355-9AC6-3823-962B-13A9BB3AF74D>  
/System/Library/Extensions/AMDRadeonX4000GLDriver.bundle/Contents/MacOS/AMDRadeonX4000GLDriver  
0xd9cc000 - 0xde1dfff ATIRadeonX4000SCLib.dylib (1.42.6) <EE374535-CFE4-3187-B0DD-88EBCADE24AA>  
/System/Library/Extensions/AMDRadeonX4000GLDriver.bundle/Contents/MacOS/ATIRadeonX4000SCLib.dylib  
0xf4b8000 - 0xf4c5fe7 +mac.xpl (???) <DAE0B9E8-C065-A86F-83F1-229764492248> /Users/USER/Desktop/\*/mac.xpl  
0xf4e4000 - 0xf4e8fff com.apple.audio.AppleHDAHALPlugIn (274.7 - 274.7) <2CEBD69A-DD77-3B0F-958B-72521D9E49D4>  
/System/Library/Extensions/AppleHDA.kext/Contents/PlugIns/AppleHDAHALPlugIn.bundle/Contents/MacOS/AppleHDAHALPlugIn  
0x131c3000 - 0x131c8ff7 +mac.xpl (???) <99D8A359-C98D-1DE2-A234-1B2100D777BB> /Users/USER/Desktop/\*/mac.xpl  
0x13eb5000 - 0x13fe5ffb com.apple.audio.units.Components (1.13 - 1.13) <1C4A84C5-11AE-3914-BD30-D066114778D2>  
/System/Library/Components/CoreAudio.component/Contents/MacOS/CoreAudio  
0x1463b000 - 0x1465cff7 +XPLM (1) <B497C673-ADC9-CC40-FCC7-57ADA1831586> /Users/USER/Desktop/\*/XPLM.framework/XPLM  
0x14675000 - 0x1467ffff +XPWidgets (1) <D70FD0CF2-B986-53CA-8E7F-5068206957BF> /Users/USER/Desktop/\*/XPWidgets.framework/XPWidgets  
0x14687000 - 0x146b9fff +HSAIRXPL-Mac-64.xpl (0) <EE2D2E48-4E84-3C90-8101-A108852E1E4D> /Users/USER/Desktop/\*/HSAIRXPL-Mac-64.xpl  
0x146e3000 - 0x146eefff com.apple.iokit.IOHIDLib (2.0.0 - 2.0.0) <94933687-7458-3EC0-9D38-3BBDF30C8AC1>

/System/Library/Extensions/IOHIDFamily.kext/Contents/PlugIns/IOHIDLib.plugin/Contents/MacOS/IOHIDLib

0x7f0e6000 - 0x7f0f3fff +mac.xpl (???) <3594ADDB-EA77-3264-A22F-C8D66AF4EA33> /Users/USER/Desktop/\*/mac.xpl

0x805b8000 - 0x805c5fff +mac.xpl (???) <3594ADDB-EA77-3264-A22F-C8D66AF4EA33> /Users/USER/Desktop/\*/mac.xpl

0x805ca000 - 0x805d7fff +mac.xpl (???) <3594ADDB-EA77-3264-A22F-C8D66AF4EA33> /Users/USER/Desktop/\*/mac.xpl

0x805dc000 - 0x805e9fff +mac.xpl (???) <3594ADDB-EA77-3264-A22F-C8D66AF4EA33> /Users/USER/Desktop/\*/mac.xpl

0x8ab2d000 - 0x8abc3fff +mac.xpl (0) <6443319F-AB6E-38AD-B3EE-3E6EDC1CADAF> /Users/USER/Desktop/\*/mac.xpl

0x8ac16000 - 0x8ac90ff7 +mac.xpl (0) <649E4919-648E-3124-9519-E7163FAE1490> /Users/USER/Desktop/\*/mac.xpl

0x8acd2000 - 0x8ad17ff7 +mac.xpl (0) <16561E0F-0E36-3880-A15A-33D80BED290E> /Users/USER/Desktop/\*/mac.xpl

0x8ad3f000 - 0x8af18fff +mac.xpl (0) <B6C2A517-F135-3785-A8B6-CF12997D9D2B> /Users/USER/Desktop/\*/mac.xpl

0x8afa1000 - 0x8b033ff7 +mac.xpl (0) <E5104EDF-5C24-359A-9278-1949AF84B40D> /Users/USER/Desktop/\*/mac.xpl

0x8d800000 - 0x8db9aff7 +mac.xpl (0) <64F195E2-454F-39DD-AD97-2CFF348DD7FC> /Users/USER/Desktop/\*/mac.xpl

0x8de92000 - 0x8dfc4fff +mac.xpl (0) <7A5531F0-FD87-3A80-8A4E-E0433C8FD647> /Users/USER/Desktop/\*/mac.xpl

0x100000000 - 0x101580fcf +com.laminar\_research.X-Plane (10.45r2 - 398) <C0FBF1D2-4085-A53B-305B-676CFE123761> /Users/USER/Desktop/\*/X-Plane.app/Contents/MacOS/X-Plane

0x7fff64bad000 - 0x7fff64be40d7 dyld (360.21) <D9B236BC-4AC1-325F-B3EF-3F06DBDA7119> /usr/lib/dyld

0x7fff864bc000 - 0x7fff8650aff libcurl.4.dylib (90) <12E01E4B-24C9-394C-9D2C-85CF85D5F459> /usr/lib/libcurl.4.dylib

0x7fff8651d000 - 0x7fff8651eff libsystem\_blocks.dylib (65) <1244D9D5-F6AA-35BB-B307-86851C24B8E5> /usr/lib/system/libsystem\_blocks.dylib

0x7fff86528000 - 0x7fff866a6fff com.apple.UIFoundation (1.0 - 436.1) <AABB5267-E7B7-3D75-B051-E665BDA8DEF4>

/System/Library/PrivateFrameworks/UIFoundation.framework/Versions/A/UIFoundation  
0x7fff866a7000 - 0x7fff866b2ff7 libChineseTokenizer.dylib (16) <79B8C67A-3061-3C78-92CD-4650719E68D4> /usr/lib/libChineseTokenizer.dylib

0x7fff86781000 - 0x7fff86788ff7 libcompiler\_rt.dylib (62) <A13ECF69-F59F-38AE-8609-7B731450FBCD> /usr/lib/system/libcompiler\_rt.dylib

0x7fff86789000 - 0x7fff86791fff com.apple.NetFS (6.0 - 4.0) <842A5346-24C3-3F22-9ECF-E586A10EA1F2>

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

0x7fff867e3000 - 0x7fff867ecff7 com.apple.CommonAuth (4.0 - 2.0) <4B8673E1-3697-3FE2-8D30-AC7AC5D4F8BF>



/System/Library/PrivateFrameworks/CommonAuth.framework/Versions/A/CommonAuth  
0x7fff8704c000 - 0x7fff870bbfff com.apple.SearchKit (1.4.0 - 1.4.0) <F159A888-34CA-36F1-AC8E-EB1B38C9DFB3>

/System/Library/Frameworks/CoreServices.framework/Versions/A/Frameworks/SearchKit.framework/Versions/A/SearchKit  
0x7fff871ee000 - 0x7fff87207fff com.apple.CFOpenDirectory (10.11 - 194) <11F95672-55E0-3F9D-9171-5E8C56AEE948>

/System/Library/Frameworks/OpenDirectory.framework/Versions/A/Frameworks/CFOpenDirectory.framework/Versions/A/CFOpenDirectory  
0x7fff87269000 - 0x7fff8728bfff com.apple.IconServices (68.1 - 68.1) <CDEEDBE6-F53B-3BA1-82D4-23BCA3DD8949>

/System/Library/PrivateFrameworks/IconServices.framework/Versions/A/IconServices  
0x7fff8728c000 - 0x7fff8736cff7 unorm8\_rgba.dylib (2.7.3) <9EB6C346-CFF6-32D7-B4A1-2409DFBCB216>

/System/Library/Frameworks/OpenCL.framework/Versions/A/Libraries/ImageFormats/unorm8\_rgba.dylib  
0x7fff8736d000 - 0x7fff87411fff com.apple.Bluetooth (4.4.4 - 4.4.4f4) <BCF89EFE-853D-3AEA-AE31-DC8293C7284F>

/System/Library/Frameworks/IOBluetooth.framework/Versions/A/IOBluetooth  
0x7fff8747c000 - 0x7fff874a5fff com.apple.ProtectedCloudStorage (1.0 - 1) <4850F751-E61B-30C0-B89A-B313601D3DB5>

/System/Library/PrivateFrameworks/ProtectedCloudStorage.framework/Versions/A/ProtectedCloudStorage  
0x7fff877d2000 - 0x7fff877fbff7 libxslt.1.dylib (14.1) <27DE3F2E-CE96-3327-A563-788EE3E2775B> /usr/lib/libxslt.1.dylib

0x7fff878a6000 - 0x7fff878aefb libsystem\_dnssd.dylib (625.40.20) <86A05653-DCA0-3345-B29F-F320029AA05E> /usr/lib/system/libsystem\_dnssd.dylib

0x7fff8799a000 - 0x7fff879a6fff com.apple.SpeechRecognitionCore (2.2.7 - 2.2.7) <6BA06290-D4A3-351C-87F9-B61EF61FF055>

/System/Library/PrivateFrameworks/SpeechRecognitionCore.framework/Versions/A/SpeechRecognitionCore  
0x7fff87b63000 - 0x7fff87b65fff libCVMSPPluginSupport.dylib (12.0.40.6) <4AA6710A-6267-3062-BFF2-27DB5E6B5892>

/System/Library/Frameworks/OpenGL.framework/Versions/A/Libraries/libCVMSPPluginSupport.dylib  
0x7fff87bd9000 - 0x7fff87c4dff3 com.apple.securityfoundation (6.0 - 55126) <1F6BDF18-3CF0-3E85-8D9B-0663599B9949>

/System/Library/Frameworks/SecurityFoundation.framework/Versions/A/SecurityFoundation  
0x7fff87c4e000 - 0x7fff87c4ffff libsystem\_secinit.dylib (20) <32B1A8C6-DC84-3F4F-B8CE-9A52B47C3E6B> /usr/lib/system/libsystem\_secinit.dylib

0x7fff87c50000 - 0x7fff87f35ffb com.apple.CoreServices.CarbonCore (1136.2 - 1136.2) <2DBAFC9A-6CD6-351D-B1F4-87D81AA6D640>

/System/Library/Frameworks/CoreServices.framework/Versions/A/Frameworks/CarbonCore.framework/Versions/A/CarbonCore

0x7fff8801d000 - 0x7fff88028fff libGPUSupportMercury.dylib (12.0.40.6)  
<CC8F3ED8-72FE-3041-A0F2-D8F17DBE2347>  
/System/Library/PrivateFrameworks/GPUSupport.framework/Versions/A/Libraries/libGPU  
USupportMercury.dylib  
0x7fff880dc000 - 0x7fff880effff com.apple.CoreBluetooth (1.0 - 1) <E54CA9A2-  
A5C6-30C5-9D6E-8472DBA9371E>  
/System/Library/Frameworks/CoreBluetooth.framework/Versions/A/CoreBluetooth  
0x7fff880f0000 - 0x7fff880f5fff com.apple.TCC (1.0 - 1) <50F7EC60-5B21-3B9B-  
BF2F-F037EA7B12FB>  
/System/Library/PrivateFrameworks/TCC.framework/Versions/A/TCC  
0x7fff88270000 - 0x7fff88272fff com.apple.loginsupport (1.0 - 1) <9B2F5F9B-  
ED38-313F-B798-D2B667BCD6B5>  
/System/Library/PrivateFrameworks/login.framework/Versions/A/Frameworks/loginsuppo  
rt.framework/Versions/A/loginsupport  
0x7fff897e7000 - 0x7fff897f8fff libcmph.dylib (6) <BA4BF2C6-7F4E-33B8-9DD7-  
619C9EB83ECF> /usr/lib/libcmph.dylib  
0x7fff897f9000 - 0x7fff89831ff7 com.apple.RemoteViewServices (2.0 - 101)  
<B2881449-8CFE-3D1C-B4BF-155640392533>  
/System/Library/PrivateFrameworks/RemoteViewServices.framework/Versions/A/Remot  
eViewServices  
0x7fff89863000 - 0x7fff898f2ff7 libCoreStorage.dylib (517.20.1) <EC540EAA-  
089C-36D9-BBAA-0684EDE098AB> /usr/lib/libCoreStorage.dylib  
0x7fff89940000 - 0x7fff899fafff com.apple.DiscRecording (9.0.1 - 9010.4.3)  
<540853B2-B123-3560-8023-C92EE229051A>  
/System/Library/Frameworks/DiscRecording.framework/Versions/A/DiscRecording  
0x7fff89adb000 - 0x7fff89ae7ff7 com.apple.OpenDirectory (10.11 - 194)  
<31A67AD5-5CC2-350A-96D7-821DF4BC4196>  
/System/Library/Frameworks/OpenDirectory.framework/Versions/A/OpenDirectory  
0x7fff89b30000 - 0x7fff89b38fff libcopyfile.dylib (127) <A48637BC-F3F2-34F2-  
BB68-4C65FD012832> /usr/lib/system/libcopyfile.dylib  
0x7fff89b39000 - 0x7fff89dcffff libmecabra.dylib (696.5) <EF6C0BD4-5FE8-34FB-  
8ADF-69A53CEC97A9> /usr/lib/libmecabra.dylib  
0x7fff89dd4000 - 0x7fff89dfeff7 GLRendererFloat (12.0.40.6) <4063015F-BC8F-  
308D-9065-685F89659F2C>  
/System/Library/Frameworks/OpenGL.framework/Versions/A/Resources/GLRendererFlo  
at.bundle/GLRendererFloat  
0x7fff89e67000 - 0x7fff89f4dfef unorm8\_bgra.dylib (2.7.3) <B315AE9C-9E09-  
3D9F-9513-EC2195908516>  
/System/Library/Frameworks/OpenCL.framework/Versions/A/Libraries/ImageFormats/un  
orm8\_bgra.dylib  
0x7fff8a138000 - 0x7fff8a13aff7 libsystem\_configuration.dylib (802.40.13)  
<3DEB7DF9-6804-37E1-BC83-0166882FF0FF>  
/usr/lib/system/libsystem\_configuration.dylib  
0x7fff8a6d0000 - 0x7fff8a6e4fe3 libCGInterfaces.dylib (317.9) <5079DE4F-3717-  
32FF-B76A-77F53236D17D>

/System/Library/Frameworks/Accelerate.framework/Versions/A/Frameworks/vImage.framework/Versions/A/Libraries/libCGInterfaces.dylib  
0x7fff8a779000 - 0x7fff8a7b7ff7 libGLImage.dylib (12.0.40.6) <734B133F-E789-3A25-9DE6-1CCBA4896D4D>

/System/Library/Frameworks/OpenGL.framework/Versions/A/Libraries/libGLImage.dylib  
0x7fff8a7d5000 - 0x7fff8a7d5ff7 libkeymgr.dylib (28) <8371CE54-5FDD-3CE9-B3DF-E98C761B6FE0> /usr/lib/system/libkeymgr.dylib  
0x7fff8a8b0000 - 0x7fff8a8b9fff com.apple.icloud.FindMyDevice (1.0 - 1) <B9C741F2-6FAC-3BA7-B6E0-9A910C6E8D4E>

/System/Library/PrivateFrameworks/FindMyDevice.framework/Versions/A/FindMyDevice  
0x7fff8a8ba000 - 0x7fff8acb6fff libLAPACK.dylib (1162.2) <987E42B0-5108-3065-87F0-9DF7616A8A06>

/System/Library/Frameworks/Accelerate.framework/Versions/A/Frameworks/vecLib.framework/Versions/A/libLAPACK.dylib  
0x7fff8acfa000 - 0x7fff8ad3cfff com.apple.Metal (56.6 - 56.6) <7DCBE573-B713-3C50-A16E-2F33A84C3CFB>

/System/Library/Frameworks/Metal.framework/Versions/A/Metal  
0x7fff8ad3d000 - 0x7fff8ad4ffff libsasl2.2.dylib (209) <2F81C8C9-11A3-3581-B2C1-D8C03AB7D39C> /usr/lib/libsasl2.2.dylib  
0x7fff8ad54000 - 0x7fff8ad5fff7 libcommonCrypto.dylib (60075.40.2) <B9D08EB8-FB35-3F7B-8A1C-6FCE3F07B7E7> /usr/lib/system/libcommonCrypto.dylib  
0x7fff8ade5000 - 0x7fff8adebfff com.apple.IOAccelerator (205.3 - 205.3) <851B6BF8-5B7F-3FB5-9E45-10AAE3BF7438>

/System/Library/PrivateFrameworks/IOAccelerator.framework/Versions/A/IOAccelerator  
0x7fff8adec000 - 0x7fff8adf2fff com.apple.speech.recognition.framework (5.1.1 - 5.1.1) <9E5A980A-F455-32D5-BBEE-3BD6018CC45E>

/System/Library/Frameworks/Carbon.framework/Versions/A/Frameworks/SpeechRecognition.framework/Versions/A/SpeechRecognition  
0x7fff8ae0f000 - 0x7fff8b285fff com.apple.CoreFoundation (6.9 - 1258.1) <943A1383-DA6A-3DC0-ABCD-D9AEB3D0D34D>

/System/Library/Frameworks/CoreFoundation.framework/Versions/A/CoreFoundation  
0x7fff8b286000 - 0x7fff8b292fff com.apple.speech.synthesis.framework (5.4.12 - 5.4.12) <71DA00B8-5EA2-326B-8814-59DB25512F65>

/System/Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/SpeechSynthesis.framework/Versions/A/SpeechSynthesis  
0x7fff8b2f1000 - 0x7fff8b2f2ffb libremovefile.dylib (41) <552EF39E-14D7-363E-9059-4565AC2F894E> /usr/lib/system/libremovefile.dylib  
0x7fff8b2f3000 - 0x7fff8b2f8fff libmacho.dylib (875.1) <318264FA-58F1-39D8-8285-1F6254EE410E> /usr/lib/system/libmacho.dylib  
0x7fff8c266000 - 0x7fff8c5bfdb com.apple.vImage (8.0 - 8.0) <4BAC9B6F-7482-3580-8787-AB0A5B4D331B>

/System/Library/Frameworks/Accelerate.framework/Versions/A/Frameworks/vImage.framework/Versions/A/vImage  
0x7fff8c78d000 - 0x7fff8c791fff com.apple.CommonPanels (1.2.6 - 96) <4AE7E5AE-55B3-37FA-9BDE-B23147ADA2E9>

/System/Library/Frameworks/Carbon.framework/Versions/A/Frameworks/CommonPanel  
s.framework/Versions/A/CommonPanels

0x7fff8c792000 - 0x7fff8c7a3ff7 libz.1.dylib (61.20.1) <B3EBB42F-48E3-3287-  
9F0D-308E04D407AC> /usr/lib/libz.1.dylib

0x7fff8c8b5000 - 0x7fff8c9e2ff3 com.apple.CoreText (352.0 - 494.11) <08E8640E-  
6602-3A00-BC28-94235FD311B4>

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

0x7fff8c9e8000 - 0x7fff8c9f0fff com.apple.frameworks.CoreDaemon (1.3 - 1.3)  
<CC53DC12-9231-3C4F-921B-9A770D463323>

/System/Library/PrivateFrameworks/CoreDaemon.framework/Versions/B/CoreDaemon

0x7fff8c9f1000 - 0x7fff8ca65ff7 com.apple.Heimdal (4.0 - 2.0) <5D365381-8B5E-  
3259-8867-FC4A7D307BDE>

/System/Library/PrivateFrameworks/Heimdal.framework/Versions/A/Heimdal

0x7fff8ca66000 - 0x7fff8ca97fff com.apple.GSS (4.0 - 2.0) <B490333A-3B3E-  
397A-AD75-68846E9A9140>

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

0x7fff8caf4000 - 0x7fff8cba4fe7 libvMisc.dylib (563.5) <6D73C20D-D1C4-3BA5-  
809B-4B597C15AA86>

/System/Library/Frameworks/Accelerate.framework/Versions/A/Frameworks/vecLib.fram  
ework/Versions/A/libvMisc.dylib

0x7fff8d0c2000 - 0x7fff8d0edffb libarchive.2.dylib (33.20.2) <6C370A21-63FD-  
3A68-B4B3-5333F24B770B> /usr/lib/libarchive.2.dylib

0x7fff8d0ee000 - 0x7fff8d108ff3 liblzma.5.dylib (10) <CC03591B-FA57-3CA5-  
AC81-0D76033AC0CE> /usr/lib/liblzma.5.dylib

0x7fff8d109000 - 0x7fff8d1f9fff libJP2.dylib (1444) <27371567-A122-3217-ADA0-  
3A446EF6A3E9>

/System/Library/Frameworks/ImageIO.framework/Versions/A/Resources/libJP2.dylib

0x7fff8d1fa000 - 0x7fff8d1fcfff com.apple.xpc.ServiceManagement (1.0 - 1)  
<F3E14561-5DF4-3429-98ED-8F27A87A343A>

/System/Library/Frameworks/ServiceManagement.framework/Versions/A/ServiceManag  
ement

0x7fff8d1fd000 - 0x7fff8d250ff7 libc++.1.dylib (120.1) <8FC3D139-8055-3498-  
9AC5-6467CB7F4D14> /usr/lib/libc++.1.dylib

0x7fff8d268000 - 0x7fff8d2f0fff com.apple.CoreSymbolication (3.1 - 58048.1)  
<4730422E-4178-34F9-8550-BB92F2A4F44B>

/System/Library/PrivateFrameworks/CoreSymbolication.framework/Versions/A/CoreSym  
bolication

0x7fff8d2f6000 - 0x7fff8d32aff7 com.apple.CoreVideo (1.8 - 191.3) <1AA24A1B-  
CB84-3F6B-B6DE-11494542649C>

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

0x7fff8d492000 - 0x7fff8d494ff7 libRadiance.dylib (1444) <A5EFA292-AFD4-  
3FCE-8802-958AD60F75DA>

/System/Library/Frameworks/ImageIO.framework/Versions/A/Resources/libRadiance.dyl  
ib

0x7fff8d495000 - 0x7fff8d49dfff com.apple.AppleSRP (5.0 - 1) <840A5C20-6452-

36BB-ACF7-29BA6CBF7C48>  
/System/Library/PrivateFrameworks/AppleSRP.framework/Versions/A/AppleSRP  
0x7fff8d59b000 - 0x7fff8d5a6fff libkxld.dylib (3248.40.184) <6F776D34-D06C-  
3C48-B753-D0FB375A4A8A> /usr/lib/system/libkxld.dylib  
0x7fff8d603000 - 0x7fff8d603fff com.apple.audio.units.AudioUnit (1.13 - 1.13)  
<93C1D642-37D4-3692-AD35-DCAD04F9610B>  
/System/Library/Frameworks/AudioUnit.framework/Versions/A/AudioUnit  
0x7fff8d604000 - 0x7fff8d662fff com.apple.SystemConfiguration (1.14 - 1.14)  
<10082F58-6190-3A7C-8B6C-C12B16DC793A>  
/System/Library/Frameworks/SystemConfiguration.framework/Versions/A/SystemConfig  
uration  
0x7fff8d676000 - 0x7fff8d79afff libsqlite3.dylib (216.4) <280D67B8-F93D-3587-  
A146-19F36C817548> /usr/lib/libsqlite3.dylib  
0x7fff8d863000 - 0x7fff8d866fff com.apple.IOSurface (108.2.1 - 108.2.1)  
<A0037B0A-277A-393E-9BF6-688595BD564D>  
/System/Library/Frameworks/IOSurface.framework/Versions/A/IOSurface  
0x7fff8d867000 - 0x7fff8d88efff com.apple.ChunkingLibrary (167 - 167)  
<AD7F285C-005E-36BB-98A3-5826413533BE>  
/System/Library/PrivateFrameworks/ChunkingLibrary.framework/Versions/A/ChunkingLi  
brary  
0x7fff8d88f000 - 0x7fff8d890fff com.apple.TrustEvaluationAgent (2.0 - 25)  
<0239494E-FEFE-39BC-9FC7-E251BA5128F1>  
/System/Library/PrivateFrameworks/TrustEvaluationAgent.framework/Versions/A/TrustE  
valuationAgent  
0x7fff8d891000 - 0x7fff8d8e1ff7 com.apple.Symbolication (1.4 - 58044)  
<F70BF765-FBE9-3F1E-85CA-BB2F8E53E8C2>  
/System/Library/PrivateFrameworks/Symbolication.framework/Versions/A/Symbolication  
0x7fff8d8e2000 - 0x7fff8dab0ff3 com.apple.QuartzCore (1.11 - 410.14)  
<0283748A-8318-36AC-8B30-8A951FEB305A>  
/System/Library/Frameworks/QuartzCore.framework/Versions/A/QuartzCore  
0x7fff8df5d000 - 0x7fff8e2b1fff com.apple.Foundation (6.9 - 1258) <51833143-  
6CAE-3E1C-9FBA-BCDEB48D4ADF>  
/System/Library/Frameworks/Foundation.framework/Versions/C/Foundation  
0x7fff8e2e1000 - 0x7fff8e330ff7 com.apple.opengl (2.7.0 - 2.7.0) <307263BA-  
0368-38C9-A7FB-25920343D0DF>  
/System/Library/Frameworks/OpenCL.framework/Versions/A/OpenCL  
0x7fff8e5c2000 - 0x7fff8e5c5ff7 com.apple.help (1.3.3 - 46) <35DA4D48-0BC2-  
35A1-8D7C-40905CDF4F64>  
/System/Library/Frameworks/Carbon.framework/Versions/A/Frameworks/Help.framewor  
k/Versions/A/Help  
0x7fff8e5ce000 - 0x7fff8e6caff7 libFontParser.dylib (158.5) <62796E99-36B7-  
36B6-8D33-5349F88014C3>  
/System/Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/AT  
S.framework/Versions/A/Resources/libFontParser.dylib  
0x7fff8e878000 - 0x7fff8e880fef libsystem\_platform.dylib (74.40.2) <29A905EF-

6777-3C33-82B0-6C3A88C4BA15> /usr/lib/system/libsystem\_platform.dylib  
0x7fff8e889000 - 0x7fff8e8efff7 libsystem\_network.dylib (583.40.20) <269E5ADD-6922-31E2-8D55-7B777263AC0D> /usr/lib/system/libsystem\_network.dylib  
0x7fff8eeee000 - 0x7fff8eef1fff libCoreVMClient.dylib (119.5) <560D70FB-709F-3030-96C9-F249FCB7DA6D>  
/System/Library/Frameworks/OpenGL.framework/Versions/A/Libraries/libCoreVMClient.dylib  
0x7fff8eefa000 - 0x7fff8ef11fff libmarisa.dylib (4) <E4919B03-D9BD-3AF8-B436-C415C98E3F0A> /usr/lib/libmarisa.dylib  
0x7fff8ef12000 - 0x7fff8ef53ff7 libGLU.dylib (12.0.40.6) <C56DDF90-CF6D-30D2-A3E6-89288BE69DCB>  
/System/Library/Frameworks/OpenGL.framework/Versions/A/Libraries/libGLU.dylib  
0x7fff8ef61000 - 0x7fff8efeedd7 com.apple.AppleJPEG (1.0 - 1) <558ACADA-C41F-3EEF-82A0-C2D7B13C5428>  
/System/Library/PrivateFrameworks/AppleJPEG.framework/Versions/A/AppleJPEG  
0x7fff8f011000 - 0x7fff8f01ffff com.apple.opengl (12.0.40 - 12.0.40) <AEA28993-BA3E-3E0F-A2F5-88C312ABB634>  
/System/Library/Frameworks/OpenGL.framework/Versions/A/OpenGL  
0x7fff8f020000 - 0x7fff8f06eff7 libstdc++.6.dylib (104.1) <76E2AFB1-07E5-3F19-B692-F6E21B7E470D> /usr/lib/libstdc++.6.dylib  
0x7fff8f0a8000 - 0x7fff8f0a9fff liblangid.dylib (122) <9CC4F0D1-5C51-3B69-BC8F-EE3A51FD0822> /usr/lib/liblangid.dylib  
0x7fff8f0aa000 - 0x7fff8fcd3fff com.apple.AppKit (6.9 - 1404.46) <2492D315-76B6-320B-B542-231FCA44CA48>  
/System/Library/Frameworks/AppKit.framework/Versions/C/AppKit  
0x7fff8fcd4000 - 0x7fff8fcd6fff com.apple.EFILogin (2.0 - 2) <38150198-DD7F-3C73-BCAA-C74BB376393A>  
/System/Library/PrivateFrameworks/EFILogin.framework/Versions/A/EFILogin  
0x7fff906b7000 - 0x7fff906bcff7 libheimdal-asn1.dylib (453.40.10) <981DE40B-FA16-36F7-BE92-8C8A115D6CD9> /usr/lib/libheimdal-asn1.dylib  
0x7fff9085e000 - 0x7fff908c5fff com.apple.framework.CoreWiFi (11.0 - 1101.20) <993592F1-B3F1-3FAD-87BD-EA83C361BCCF>  
/System/Library/PrivateFrameworks/CoreWiFi.framework/Versions/A/CoreWiFi  
0x7fff90f9b000 - 0x7fff910a9ff3 com.apple.desktopservices (1.10.3 - 1.10.3) <3A6906D4-C0B8-30D1-B589-0466E5E42B69>  
/System/Library/PrivateFrameworks/DesktopServicesPriv.framework/Versions/A/DesktopServicesPriv  
0x7fff910b2000 - 0x7fff91188ffb com.apple.DiskImagesFramework (10.11.3 - 417.2) <7412BC0B-A895-350D-B829-1E3A6FF5EC3F>  
/System/Library/PrivateFrameworks/DiskImages.framework/Versions/A/DiskImages  
0x7fff91441000 - 0x7fff9164efff libicucore.A.dylib (551.51) <35315A29-E21C-3CC5-8BD6-E07A3AE8FC0D> /usr/lib/libicucore.A.dylib  
0x7fff9164f000 - 0x7fff917f5ff7 com.apple.audio.toolbox.AudioToolbox (1.13 - 1.13) <082319FC-59F2-3D36-AC9B-94759724E302>  
/System/Library/Frameworks/AudioToolbox.framework/Versions/A/AudioToolbox

0x7fff91806000 - 0x7fff9184bff7 com.apple.coreservices.SharedFileList (24.4 - 24.5) <1D2AD77B-778F-3253-A295-3D0A32A8121C>  
/System/Library/Frameworks/CoreServices.framework/Versions/A/Frameworks/SharedFileList.framework/Versions/A/SharedFileList

0x7fff918ea000 - 0x7fff918ebff7 libodfde.dylib (23) <F84CB160-D638-3190-B6F5-A262E9AF09F6> /usr/lib/libodfde.dylib

0x7fff918ec000 - 0x7fff918f5ff7 libsystem\_pthread.dylib (138.10.4) <3DD1EF4C-1D1B-3ABF-8CC6-B3B1CEEE9559> /usr/lib/system/libsystem\_pthread.dylib

0x7fff918f6000 - 0x7fff9190dff7 libsystem\_coretls.dylib (83.40.5) <C90DAE38-4082-381C-A185-2A6A8B677628> /usr/lib/system/libsystem\_coretls.dylib

0x7fff9190e000 - 0x7fff91ab9ffb GLEngine (12.0.40.6) <32029589-A64E-3E6B-A024-F985765766A2>  
/System/Library/Frameworks/OpenGL.framework/Versions/A/Resources/GLEngine.bundle/GLEngine

0x7fff91ac1000 - 0x7fff91ac5fff libGIF.dylib (1444) <D3F44A33-355E-3154-A465-1C732AAC5F75>  
/System/Library/Frameworks/ImageIO.framework/Versions/A/Resources/libGIF.dylib

0x7fff91ac6000 - 0x7fff91bd5fe7 libvDSP.dylib (563.5) <9AB6CA3C-4F0E-35E6-9184-9DF86E7C3DAD>  
/System/Library/Frameworks/Accelerate.framework/Versions/A/Frameworks/vecLib.framework/Versions/A/libvDSP.dylib

0x7fff91c02000 - 0x7fff91d69fff libBLAS.dylib (1162.2) <A1398FE0-39D2-33EA-9A0F-B2644EEA29A0>  
/System/Library/Frameworks/Accelerate.framework/Versions/A/Frameworks/vecLib.framework/Versions/A/libBLAS.dylib

0x7fff9249d000 - 0x7fff924b3ff7 libLinearAlgebra.dylib (1162.2) <FFE54EDF-F06F-3C0A-864A-4CA7BBFD4B2D>  
/System/Library/Frameworks/Accelerate.framework/Versions/A/Frameworks/vecLib.framework/Versions/A/libLinearAlgebra.dylib

0x7fff924b4000 - 0x7fff924b6ff7 libquarantine.dylib (80) <0F4169F0-0C84-3A25-B3AE-E47B3586D908> /usr/lib/system/libquarantine.dylib

0x7fff924f5000 - 0x7fff92503ff7 libbz2.1.0.dylib (38) <28E54258-C0FE-38D4-AB76-1734CACCB344> /usr/lib/libbz2.1.0.dylib

0x7fff92504000 - 0x7fff92520ff3 libresolv.9.dylib (60) <A650B5C8-1950-36A0-86D1-0B2465318BFA> /usr/lib/libresolv.9.dylib

0x7fff925c2000 - 0x7fff92662fff com.apple.Metadata (10.7.0 - 972.29.1) <F19E0200-6937-3799-9C67-D26C2CE5AA5F>  
/System/Library/Frameworks/CoreServices.framework/Versions/A/Frameworks/Metadata.framework/Versions/A/Metadata

0x7fff92663000 - 0x7fff92665fff com.apple.SecCodeWrapper (4.0 - 261.40.2) <1F832591-59A8-3B3F-943F-D6D827463782>  
/System/Library/PrivateFrameworks/SecCodeWrapper.framework/Versions/A/SecCodeWrapper

0x7fff92696000 - 0x7fff9269efef libldcpuengine.dylib (2.7.3) <B385841A-B573-3A91-9BEB-CC89CB2716B3>

/System/Library/Frameworks/OpenCL.framework/Versions/A/Libraries/libclcpuengine.dylib

0x7fff92a35000 - 0x7fff92a35fff com.apple.Cocoa (6.11 - 22) <807787AB-D231-3F51-A99B-A9314623C571>

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

0x7fff92a36000 - 0x7fff92a65ff7 com.apple.DictionaryServices (1.2 - 250.3) <30250542-CBAA-39C1-91AA-B57A5DE17594>

/System/Library/Frameworks/CoreServices.framework/Versions/A/Frameworks/DictionaryServices.framework/Versions/A/DictionaryServices

0x7fff92afb000 - 0x7fff92b17ff7 libextension.dylib (78) <FD952DA6-BBEC-3CB6-98B3-E1D111C5C54E> /usr/lib/libextension.dylib

0x7fff92e74000 - 0x7fff92ed1fff com.apple.CoreServices.OSServices (728.8 - 728.8) <4CE49D8A-8304-3347-9379-6075CB906419>

/System/Library/Frameworks/CoreServices.framework/Versions/A/Frameworks/OSServices.framework/Versions/A/OSServices

0x7fff92ed2000 - 0x7fff92ed6fff libpam.2.dylib (20) <CFCD19BD-87BC-3F2B-BB1C-4C23E8E55F1A> /usr/lib/libpam.2.dylib

0x7fff92ee9000 - 0x7fff92f04ff7 libCRFSuite.dylib (34) <078B4CD8-6A8C-3067-B2BA-0C2A0BAB8AC3> /usr/lib/libCRFSuite.dylib

0x7fff92fa9000 - 0x7fff92fc5fff com.apple.GenerationalStorage (2.0 - 239.1) <8C821448-4294-3736-9CEF-467C93785CB9>

/System/Library/PrivateFrameworks/GenerationalStorage.framework/Versions/A/GenerationalStorage

0x7fff92fc6000 - 0x7fff92fcffff libcache.dylib (75) <9548AAE9-2AB7-3525-9ECE-A2A7C4688447> /usr/lib/system/libcache.dylib

0x7fff92fcb000 - 0x7fff92fcdfff libCGXType.A.dylib (957) <B901C222-E779-32EB-96C2-5A707A09FC5B>

/System/Library/Frameworks/CoreGraphics.framework/Versions/A/Resources/libCGXType.A.dylib

0x7fff92fd0000 - 0x7fff93065fff com.apple.ink.framework (10.9 - 214) <1F76CF36-3F79-36B8-BC37-C540AF34B338>

/System/Library/Frameworks/Carbon.framework/Versions/A/Frameworks/Ink.framework/Versions/A/Ink

0x7fff931c2000 - 0x7fff93272fff com.apple.backup.framework (1.7.4 - 1.7.4) <F304E9D1-991A-379E-9659-BF85C35B4808>

/System/Library/PrivateFrameworks/Backup.framework/Versions/A/Backup

0x7fff93273000 - 0x7fff932bffff com.apple.print.framework.PrintCore (11.2 - 472.2) <5AE8AA6B-CE09-397D-B0D4-0F9CCBF1F77D>

/System/Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/PrintCore.framework/Versions/A/PrintCore

0x7fff93321000 - 0x7fff93323fff libutil.dylib (43) <4C9BFE8B-563B-3EEA-A323-8F4F14E0A46C> /usr/lib/libutil.dylib

0x7fff93324000 - 0x7fff93324fff com.apple.CoreServices (728.9 - 728.9) <78CB3EAC-A66E-3FD9-A1DF-A9CF227ED3C3>

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



0x7fff93b7d000 - 0x7fff93b85fff libsystem\_networkextension.dylib (385.40.36) <66095DC7-6539-38F2-95EE-458F15F6D014>  
/usr/lib/system/libsystem\_networkextension.dylib

0x7fff93b8b000 - 0x7fff93b8dff7 com.apple.securityhi (9.0 - 55006) <A4CEFD45-C51C-381C-A57B-FF75D90C680F>  
/System/Library/Frameworks/Carbon.framework/Versions/A/Frameworks/SecurityHI.framework/Versions/A/SecurityHI

0x7fff93b8e000 - 0x7fff93b8fff3 com.apple.print.framework.Print (10.0 - 266) <3E85F70C-D7D4-34E1-B88A-C1F503F99CDA>  
/System/Library/Frameworks/Carbon.framework/Versions/A/Frameworks/Print.framework/Versions/A/Print

0x7fff93bb9000 - 0x7fff93bcafff libSparseBLAS.dylib (1162.2) <EBEB3848-3468-342A-91A6-5C47F2369CD9>  
/System/Library/Frameworks/Accelerate.framework/Versions/A/Frameworks/vecLib.framework/Versions/A/libSparseBLAS.dylib

0x7fff93e6b000 - 0x7fff93e8aff7 com.apple.framework.Apple80211 (11.0 - 1121.34) <AE7795B8-4590-3714-999D-3FBFF6BF5D93>  
/System/Library/PrivateFrameworks/Apple80211.framework/Versions/A/Apple80211

0x7fff93e8b000 - 0x7fff93e93fff libGFXShared.dylib (12.0.40.6) <1CDE5AEF-3E44-3547-879E-BB490EE7702C>  
/System/Library/Frameworks/OpenGL.framework/Versions/A/Libraries/libGFXShared.dylib

0x7fff93e94000 - 0x7fff94189fff com.apple.HIToolbox (2.1.1 - 807.2) <871E5223-5D03-3649-98AF-9CCA3B41E307>  
/System/Library/Frameworks/Carbon.framework/Versions/A/Frameworks/HIToolbox.framework/Versions/A/HIToolbox

0x7fff9423f000 - 0x7fff9423ffff com.apple.Carbon (154 - 157) <8F6ED602-5943-3E29-A793-BC331E2C183D>  
/System/Library/Frameworks/Carbon.framework/Versions/A/Carbon

0x7fff94245000 - 0x7fff942b4fff com.apple.datadetectorscore (7.0 - 460) <8EF4EECC-4FF1-36DF-84CF-65545555A225>  
/System/Library/PrivateFrameworks/DataDetectorsCore.framework/Versions/A/DataDetectorsCore

0x7fff942b5000 - 0x7fff942cefff com.apple.openscripting (1.7.1 - 169.1) <36EBF6A7-334A-3197-838F-E8C7B27FCDBB>  
/System/Library/Frameworks/Carbon.framework/Versions/A/Frameworks/OpenScripting.framework/Versions/A/OpenScripting

0x7fff944b6000 - 0x7fff944dfffb libRIP.A.dylib (957) <5F18F20D-5921-3314-A9F8-F1B1CB62C83D>  
/System/Library/Frameworks/CoreGraphics.framework/Versions/A/Resources/libRIP.A.dylib

0x7fff944e0000 - 0x7fff944feff7 libsystem\_kernel.dylib (3248.40.184) <88C17B7F-1CD8-3979-A1A9-F7BDB4FCE789> /usr/lib/system/libsystem\_kernel.dylib

0x7fff944ff000 - 0x7fff94503fff com.apple.LoginUICore (3.2 - 3.2) <5524E4BC-4700-39F4-AF06-E53322712EE0>

/System/Library/PrivateFrameworks/LoginUIKit.framework/Versions/A/Frameworks/LoginUIKitCore.framework/Versions/A/LoginUIKitCore

0x7fff95212000 - 0x7fff9523ffff libdispatch.dylib (501.40.12) <C7499857-61A5-3D7D-A5EA-65DCC8C3DF92> /usr/lib/system/libdispatch.dylib

0x7fff95240000 - 0x7fff95245ff3 libunwind.dylib (35.3) <F6EB48E5-4D12-359A-AB54-C937FBBE9043> /usr/lib/system/libunwind.dylib

0x7fff95246000 - 0x7fff95451fff libFosl\_dynamic.dylib (16.24) <5F9DB82D-FD4B-3952-8531-CE020F93ED49> /usr/lib/libFosl\_dynamic.dylib

0x7fff95452000 - 0x7fff95452fff com.apple.Accelerate (1.10 - Accelerate 1.10) <185EC96A-5AF0-3620-A4ED-4D3654D25B39>

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

0x7fff95453000 - 0x7fff95619fe7 com.apple.ImageIO.framework (3.3.0 - 1444) <54F18254-F31B-3464-BB51-BAF9E9620419>

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

0x7fff957ff000 - 0x7fff95823fff libJPEG.dylib (1444) <AECB826C-8B14-3D04-8DEC-33EE85F5150D>

/System/Library/Frameworks/ImageIO.framework/Versions/A/Resources/libJPEG.dylib

0x7fff95824000 - 0x7fff959b0ff7 libGLProgrammability.dylib (12.0.40.6) <F5AE40EB-A28B-3F3B-8E4C-0C0D73E47EDB>

/System/Library/Frameworks/OpenGL.framework/Versions/A/Libraries/libGLProgrammability.dylib

0x7fff959b1000 - 0x7fff959e8ff7 com.apple.LDAPFramework (2.4.28 - 194.5) <9AE33BF2-FB17-342D-8F1E-5F83C6E6EB69>

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

0x7fff959e9000 - 0x7fff959ecff7 libCoreFSCache.dylib (119.5) <2389D7DA-B8EF-3EB4-AAAF-FBEDE01CDECA>

/System/Library/Frameworks/OpenGL.framework/Versions/A/Libraries/libCoreFSCache.dylib

0x7fff959f8000 - 0x7fff959fdfff com.apple.DiskArbitration (2.7 - 2.7) <F55902AA-5316-3255-A701-FDED5B553065>

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

0x7fff95aeb000 - 0x7fff95b17fff com.apple.framework.SystemAdministration (1.0 - 1.0) <1318B6A5-FFC3-3615-914D-95CBFE5BA727>

/System/Library/PrivateFrameworks/SystemAdministration.framework/Versions/A/SystemAdministration

0x7fff95b18000 - 0x7fff95b74fff libTIFF.dylib (1444) <2A22E6B7-213B-3253-838F-C3EC3C8F2727>

/System/Library/Frameworks/ImageIO.framework/Versions/A/Resources/libTIFF.dylib

0x7fff95b75000 - 0x7fff95fa3fff com.apple.vision.FaceCore (3.3.1 - 3.3.1) <E54028EA-4217-3078-A2B1-C52E4214D59E>

/System/Library/PrivateFrameworks/FaceCore.framework/Versions/A/FaceCore

0x7fff961e2000 - 0x7fff961f2fff libbsm.0.dylib (34) <7E14504C-A8B0-3574-B6EB-5D5FABC72926> /usr/lib/libbsm.0.dylib

0x7fff96244000 - 0x7fff9624cfff com.apple.CoreServices.FSEvents (1223.10.1 - 1223.10.1) <7F5B7A23-BC1D-3FA9-A9B8-D534F1E1979A>

/System/Library/Frameworks/CoreServices.framework/Versions/A/Frameworks/FSEvents.framework/Versions/A/FSEvents

0x7fff9624d000 - 0x7fff9627cffb libsystem\_m.dylib (3105) <08E1A4B2-6448-3DFE-A58C-ACC7335BE7E4> /usr/lib/system/libsystem\_m.dylib

0x7fff962e4000 - 0x7fff96646f3f libobjc.A.dylib (680) <7489D2D6-1EFD-3414-B18D-2AEC90286> /usr/lib/libobjc.A.dylib

0x7fff96675000 - 0x7fff96683fff libxar.1.dylib (302) <03207F66-2C4A-3DBD-8D81-70F4C85903C4> /usr/lib/libxar.1.dylib

0x7fff9694c000 - 0x7fff96971ff7 libPng.dylib (1444) <47ACF98D-B5F1-3A03-B6FD-4107D5FAE5E9>

/System/Library/Frameworks/ImageIO.framework/Versions/A/Resources/libPng.dylib

0x7fff96b80000 - 0x7fff96bbafff com.apple.QD (3.12 - 302) <0FE53180-2895-3D14-A1E7-F82DE1D106E1>

/System/Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/QD.framework/Versions/A/QD

0x7fff96bbb000 - 0x7fff96bd3fef libcompression.dylib (28) <E7601B62-1053-369D-8A9E-91CF86239220> /usr/lib/libcompression.dylib

0x7fff96c33000 - 0x7fff96c3efff com.apple.CrashReporterSupport (10.11 - 717) <474544AD-1199-3ECC-90E5-071847BA72C6>

/System/Library/PrivateFrameworks/CrashReporterSupport.framework/Versions/A/CrashReporterSupport

0x7fff96c70000 - 0x7fff96dbaff7 com.apple.coreui (2.1 - 366.1) <A3868F31-ACF4-3EA5-9E75-79ED44FA7F06>

/System/Library/PrivateFrameworks/CoreUI.framework/Versions/A/CoreUI

0x7fff96dee000 - 0x7fff96e43fff com.apple.AE (701 - 701) <AD492742-F884-386B-A450-FAC281B9FFA4>

/System/Library/Frameworks/CoreServices.framework/Versions/A/Frameworks/AE.framework/Versions/A/AE

0x7fff976a2000 - 0x7fff97794ff7 libiconv.2.dylib (44) <F05A0A5A-92A9-3668-8F20-F27CBDA26BE9> /usr/lib/libiconv.2.dylib

0x7fff97827000 - 0x7fff97855ff7 com.apple.CoreServicesInternal (248.2 - 248.2) <6E111F0A-D7F1-3738-ADE7-CF983BD4EC8B>

/System/Library/PrivateFrameworks/CoreServicesInternal.framework/Versions/A/CoreServicesInternal

0x7fff97d79000 - 0x7fff97db3ff7 com.apple.DebugSymbols (132 - 132) <23A42C53-B941-3871-9EE2-4C87A46005B5>

/System/Library/PrivateFrameworks/DebugSymbols.framework/Versions/A/DebugSymbols

0x7fff97e93000 - 0x7fff97ea2ffb com.apple.LangAnalysis (1.7.0 - 1.7.0) <18D21123-A3E7-3851-974A-08E5D4540475>

/System/Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/LangAnalysis.framework/Versions/A/LangAnalysis

0x7fff97ed0000 - 0x7fff97ef4fff com.apple.MultitouchSupport.framework (304.10.2 - 304.10.2) <CE75EDA3-2B22-3968-834E-550EA870ECC8>

/System/Library/PrivateFrameworks/MultitouchSupport.framework/Versions/A/Multitouch

## Support

0x7fff97ef6000 - 0x7fff97ef6ff7 libunc.dylib (29) <DDB1E947-C775-33B8-B461-63E5EB698F0E> /usr/lib/system/libunc.dylib

0x7fff97f0d000 - 0x7fff97f1eff7 libsystem\_trace.dylib (201.10.3) <25104542-5251-3E8D-B14A-9E37207218BC> /usr/lib/system/libsystem\_trace.dylib

0x7fff97f3f000 - 0x7fff97f85ff7 libauto.dylib (186) <999E610F-41FC-32A3-ADCA-5EC049B65DFB> /usr/lib/libauto.dylib

0x7fff97f86000 - 0x7fff97f91fff libcsfde.dylib (517.20.1) <6FFC376E-E141-37EE-800A-004080A50091> /usr/lib/libcsfde.dylib

0x7fff98a2d000 - 0x7fff98a30fff libsystem\_sandbox.dylib (460.40.33) <30671DCC-265F-325A-B33D-11CD336B3DA3> /usr/lib/system/libsystem\_sandbox.dylib

0x7fff98a64000 - 0x7fff98a8dff7 libxpc.dylib (765.40.36) <2CC7CF36-66D4-301B-A6D8-EBAE7405B008> /usr/lib/system/libxpc.dylib

0x7fff98a8e000 - 0x7fff98adfff7 com.apple.audio.CoreAudio (4.3.0 - 4.3.0) <3D62A9B3-67A8-3F8A-A102-05E310249075>  
/System/Library/Frameworks/CoreAudio.framework/Versions/A/CoreAudio

0x7fff98ae9000 - 0x7fff98d83fff com.apple.security (7.0 - 57337.40.85) <7C5B8DEF-3D02-3410-9BD3-2B1251F84D4B>  
/System/Library/Frameworks/Security.framework/Versions/A/Security

0x7fff98ed2000 - 0x7fff98edefff com.apple.CommerceCore (1.0 - 462.9) <FC172F15-E030-3437-BCFF-8D4F1570A8E1>  
/System/Library/PrivateFrameworks/CommerceKit.framework/Versions/A/Frameworks/CommerceCore.framework/Versions/A/CommerceCore

0x7fff98edf000 - 0x7fff98ee4fff com.apple.ImageCapture (9.0 - 9.0) <ACECF0B7-7D92-3A22-BF47-E8FADF4C5378>  
/System/Library/Frameworks/Carbon.framework/Versions/A/Frameworks/ImageCapture.framework/Versions/A/ImageCapture

0x7fff98ee5000 - 0x7fff98ee6fff libDiagnosticMessagesClient.dylib (100) <4243B6B4-21E9-355B-9C5A-95A216233B96>  
/usr/lib/libDiagnosticMessagesClient.dylib

0x7fff98ee7000 - 0x7fff98ee7fff libOpenScriptingUtil.dylib (169.1) <AD0DAC8A-9849-3077-999F-9AEC6112BDAB> /usr/lib/libOpenScriptingUtil.dylib

0x7fff98ee8000 - 0x7fff98f11fff libc++abi.dylib (125) <DCCC8177-3D09-35BC-9784-2A04FEC4C71B> /usr/lib/libc++abi.dylib

0x7fff9900f000 - 0x7fff99018ff3 libsystem\_notify.dylib (150.40.1) <D48BDE34-0F7E-34CA-A0FF-C578E39987CC> /usr/lib/system/libsystem\_notify.dylib

0x7fff9901c000 - 0x7fff99033ff7 libsystem\_asl.dylib (323.40.3) <007F9094-317A-33EA-AF62-BAEAAB48C0F7> /usr/lib/system/libsystem\_asl.dylib

0x7fff99034000 - 0x7fff99036fff libsystem\_coreservices.dylib (19.2) <1B3F5AFC-FFCD-3ECB-8B9A-5538366FB20D> /usr/lib/system/libsystem\_coreservices.dylib

0x7fff99065000 - 0x7fff990aaff3 libFontRegistry.dylib (155.1) <F3355C6E-ED33-3506-B10E-2F6995D34BC1>  
/System/Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/ATS.framework/Versions/A/Resources/libFontRegistry.dylib

0x7fff99695000 - 0x7fff9970afff com.apple.framework.IOKit (2.0.2 - 1179.40.20)

<FB2AD43B-905D-3BD0-BE17-ACE7D4D13E24>  
/System/Library/Frameworks/IOKit.framework/Versions/A/IOKit  
0x7fff9970b000 - 0x7fff9972dff7 com.apple.Sharing (442.13.6 - 442.13.6)  
<DDD2811C-6ECB-32F2-8EE1-69BF9657B4A8>  
/System/Library/PrivateFrameworks/Sharing.framework/Versions/A/Sharing  
0x7fff998a6000 - 0x7fff998a7ffb libSystem.B.dylib (1226.10.1) <CD307E99-FC5C-3575-BCCE-0C861AA63124> /usr/lib/libSystem.B.dylib  
0x7fff998e4000 - 0x7fff9997aff com.apple.ColorSync (4.9.0 - 4.9.0) <8FC37E20-6579-3CB2-9D49-BC39FC38DF87>  
/System/Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/ColorSync.framework/Versions/A/ColorSync  
0x7fff9997b000 - 0x7fff99986fff libGL.dylib (12.0.40.6) <4FC6D3F9-6582-3E7D-A7D1-E035F0E26697>  
/System/Library/Frameworks/OpenGL.framework/Versions/A/Libraries/libGL.dylib  
0x7fff9999b000 - 0x7fff999ceff7 com.apple.MediaKit (16 - 809) <BF8032FE-6645-37F6-A622-BC7EEE3EAABF>  
/System/Library/PrivateFrameworks/MediaKit.framework/Versions/A/MediaKit  
0x7fff999ff000 - 0x7fff99a6aff7 com.apple.framework.CoreWLAN (11.0 - 1101.20) <3B35C543-7FCE-333F-80C1-432FA41DDCDE>  
/System/Library/Frameworks/CoreWLAN.framework/Versions/A/CoreWLAN  
0x7fff99a6b000 - 0x7fff99b90ff7 com.apple.LaunchServices (728.8 - 728.8) <FDA38B17-82E2-322F-A008-B9207A6EA668>  
/System/Library/Frameworks/CoreServices.framework/Versions/A/Frameworks/LaunchServices.framework/Versions/A/LaunchServices  
0x7fff99b91000 - 0x7fff99b91fff com.apple.ApplicationServices (48 - 48) <ADD57D3A-142F-3EF5-BFD8-EACD82164884>  
/System/Library/Frameworks/ApplicationServices.framework/Versions/A/ApplicationServices  
0x7fff99be8000 - 0x7fff99bebffb libScreenReader.dylib (426.42) <16FC79D1-4573-3E90-945F-CBA22D5185FD> /usr/lib/libScreenReader.dylib  
0x7fff99bfc000 - 0x7fff99ae47feb com.apple.CoreGraphics (1.600.0 - 957) <8C9F8E1A-274C-36CE-93FB-49906A9B9EE2>  
/System/Library/Frameworks/CoreGraphics.framework/Versions/A/CoreGraphics  
0x7fff99ae48000 - 0x7fff99aebffeb libcorecrypto.dylib (335.40.8) <9D300121-CAF8-3894-8774-DF38FA65F238> /usr/lib/system/libcorecrypto.dylib  
0x7fff99aec000 - 0x7fff99aedcff7 libsystem\_malloc.dylib (67.40.1) <5748E8B2-F81C-34C6-8B13-456213127678> /usr/lib/system/libsystem\_malloc.dylib  
0x7fff99af15000 - 0x7fff99affbff7 libcrypto.0.9.8.dylib (59.40.2) <2486D801-C756-3488-B519-1AA6807E8948> /usr/lib/libcrypto.0.9.8.dylib  
0x7fff99b03f000 - 0x7fff99b2e5ff7 com.apple.CoreData (120 - 641.3) <A29A5491-6169-372B-828F-84EE0CFD4BC4>  
/System/Library/Frameworks/CoreData.framework/Versions/A/CoreData  
0x7fff99b59a000 - 0x7fff99b59aff com.apple.Accelerate.vecLib (3.10 - vecLib 3.10) <054DFE32-737D-3211-9A14-0FC5E1A880E3>  
/System/Library/Frameworks/Accelerate.framework/Versions/A/Frameworks/vecLib.fram

ework/Versions/A/vecLib

0x7fff9b59e000 - 0x7fff9b5a8fff com.apple.NetAuth (6.0 - 6.0) <D692B1EF-534F-3892-8E2F-2BBA7C8AFD74>

/System/Library/PrivateFrameworks/NetAuth.framework/Versions/A/NetAuth

0x7fff9b600000 - 0x7fff9b6efffb libxml2.2.dylib (29.5) <4096C2EA-6659-3F22-AC60-1E2F30BDD2B7> /usr/lib/libxml2.2.dylib

0x7fff9b6f0000 - 0x7fff9b77dfff libsystem\_c.dylib (1082.20.4) <CDEBF2BB-A578-30F5-846F-96274951C3C5> /usr/lib/system/libsystem\_c.dylib

0x7fff9b77e000 - 0x7fff9b789fff com.apple.DirectoryService.Framework (10.11 - 194) <6F827D0E-0F02-3B09-B2A8-252865EECA7F>

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

0x7fff9b83b000 - 0x7fff9b887ffb com.apple.HIServices (1.22 - 549) <E4E1BD10-F475-3E19-9E0B-A5071D158F47>

/System/Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/HIServices.framework/Versions/A/HIServices

0x7fff9baf6000 - 0x7fff9baf9ffb libdyld.dylib (360.21) <8390E026-F7DE-3C32-9486-3DFF6BD131B0> /usr/lib/system/libdyld.dylib

0x7fff9bafd000 - 0x7fff9bb12fff com.apple.AppContainer (4.0 - 261.40.2) <F220E702-1C00-3BD2-9943-C7E75C3B4418>

/System/Library/PrivateFrameworks/AppContainer.framework/Versions/A/AppContainer

0x7fff9bb13000 - 0x7fff9bb13fff libmetal\_timestamp.dylib (600.0.44.1) <6576F284-BACA-332A-A6E7-FA1C347636E3>

/System/Library/PrivateFrameworks/GPUCompiler.framework/libmetal\_timestamp.dylib

0x7fff9bb14000 - 0x7fff9bd9bff7 com.apple.CFNetwork (760.4.2 - 760.4.2) <24C4A390-3079-358A-8D51-75A3E818A6DF>

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

0x7fff9bd9c000 - 0x7fff9bdb6fff com.apple.Kerberos (3.0 - 1) <1B4744BF-E5AE-38E2-AA56-E22D3270F2E8>

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

0x7fff9bdb7000 - 0x7fff9be5efff com.apple.LanguageModeling (1.0 - 1) <58C18A47-BDE7-3CBE-81C0-797029D170A1>

/System/Library/PrivateFrameworks/LanguageModeling.framework/Versions/A/LanguageModeling

0x7fff9c1b3000 - 0x7fff9c1b3fff libenergytrace.dylib (10.40.1) <0A491CA7-3451-3FD5-999A-58AB4362682B> /usr/lib/libenergytrace.dylib

0x7fff9c1b4000 - 0x7fff9c3d5ff7 com.apple.CoreImage (11.4.0 - 366.4.19) <6EE4A686-50C8-3D77-A036-BE8AA0F8A2FD>

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

0x7fff9c3d6000 - 0x7fff9c3fffff libsystem\_info.dylib (477.40.5) <6B01C09E-A3E5-3C71-B370-D0CABD11A436> /usr/lib/system/libsystem\_info.dylib

0x7fff9c42d000 - 0x7fff9c49bff7 com.apple.ApplicationServices.ATS (377 - 394.3) <847DBFBA-8D6B-367B-99FD-C6CAA8C05C65>

/System/Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/ATS.framework/Versions/A/ATS

0x7fff9cb3c000 - 0x7fff9cb59ff7 com.apple.AppleVPAFramework (2.1.2 - 2.1.2)

```

<F4AF2363-B28E-3097-AB1E-FDA1C92F8F56>
/System/Library/PrivateFrameworks/AppleVPA.framework/Versions/A/AppleVPA
  0x7fff9cb6b000 - 0x7fff9cb6bff7 liblaunch.dylib (765.40.36) <1CD7619D-AF2E-
34D1-8EC6-8021CF473D9B> /usr/lib/system/liblaunch.dylib
  0x7fff9cb6c000 - 0x7fff9cbbdff7 libcups.2.dylib (435.1) <4198A94D-A46C-39AA-
92B6-83D0BA507D6C> /usr/lib/libcups.2.dylib
  0x7fff9cbbe000 - 0x7fff9cbe0ff7 com.apple.framework.familycontrols (4.1 - 410)
<36DCC2B7-4FDF-397D-BB14-36CACED9E946>
/System/Library/PrivateFrameworks/FamilyControls.framework/Versions/A/FamilyContro
ls
  0x7fff9cbe1000 - 0x7fff9cc6aff7 com.apple.PerformanceAnalysis (1.0 - 1)
<608E8C50-6F59-3FEB-B822-D9B02F328716>
/System/Library/PrivateFrameworks/PerformanceAnalysis.framework/Versions/A/Perfor
manceAnalysis

```

#### External Modification Summary:

Calls made by other processes targeting this process:

```

task_for_pid: 8
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: 3974
thread_create: 0
thread_set_state: 0

```

#### VM Region Summary:

ReadOnly portion of Libraries: Total=273.2M resident=0K(0%)

swapped\_out\_or\_unallocated=273.2M(100%)

Writable regions: Total=5.4G written=0K(0%) resident=0K(0%) swapped\_out=0K(0%)

unallocated=5.4G(100%)

	VIRTUAL REGION	
REGION TYPE	SIZE	COUNT (non-coalesced)
=====	=====	=====
Accelerate.framework	256K	3
Activity Tracing	2048K	2
CG backing stores	672K	4
CG image	8K	3
CG shared images	304K	8
CoreAnimation	16K	4
CoreUI image data	80K	2

CoreUI image file	192K	4		
Dispatch continuations	16.0M	2		
Kernel Alloc Once	8K	3		
MALLOC	2.7G	1005		
MALLOC guard page	32K	7		
MALLOC_LARGE (reserved)	75.0M	2		reserved VM address space
(unallocated)				
Memory Tag 242	12K	2		
Memory Tag 249	156K	3		
OpenCL	8K	2		
OpenGL GLSL	256K	5		
Process Corpse Info	2048K	2		
STACK GUARD	56.0M	13		
Stack	13.2M	15		
VM_ALLOCATE	1.0G	1424		
VM_ALLOCATE (reserved)	1.6G	3		reserved VM address space
(unallocated)				
__DATA	46.7M	259		
__GLSLBUILTINS	2588K	2		
__IMAGE	528K	2		
__LINKEDIT	106.8M	32		
__TEXT	166.5M	249		
__UNICODE	552K	2		
mapped file	48.0M	16		
shared memory	16.4M	10		
=====	=====	=====		
TOTAL	5.8G	3060		
TOTAL, minus reserved VM space	4.2G	3060		

Model: iMac17,1, BootROM IM171.0105.B07, 4 processors, Intel Core i7, 4 GHz, 16 GB, SMC 2.34f2

Graphics: AMD Radeon R9 M395X, AMD Radeon R9 M395X, PCIe, 4096 MB

Memory Module: BANK 0/DIMM0, 4 GB, DDR3, 1867 MHz, 0x802C, 0x384B54463531323634485A2D314739453220

Memory Module: BANK 0/DIMM1, 4 GB, DDR3, 1867 MHz, 0x873E, 0x4C49464554494D454D454D4F52592E434F4D

Memory Module: BANK 1/DIMM0, 4 GB, DDR3, 1867 MHz, 0x802C, 0x384B54463531323634485A2D314739453220

Memory Module: BANK 1/DIMM1, 4 GB, DDR3, 1867 MHz, 0x873E, 0x4C49464554494D454D454D4F52592E434F4D

AirPort: spairport\_wireless\_card\_type\_airport\_extreme (0x14E4, 0x14A), Broadcom BCM43xx 1.0 (7.21.95.175.1a6)

Bluetooth: Version 4.4.4f4 17685, 3 services, 27 devices, 1 incoming serial ports

Network Service: Ethernet, Ethernet, en0

Network Service: Wi-Fi, AirPort, en1



Serial ATA Device: APPLE HDD ST2000DM001, 2 TB  
Serial ATA Device: APPLE SSD SM0128G, 121,33 GB  
USB Device: USB 3.0 Bus  
USB Device: iPad  
USB Device: Bluetooth USB Host Controller  
USB Device: FaceTime HD Camera (Built-in)  
USB Device: USB-PS/2 Optical Mouse  
Thunderbolt Bus: iMac, Apple Inc., 28.1