

Process: Final Cut Pro [17151]
Path: /Applications/Final Cut Pro.app/Contents/MacOS/Final Cut Pro
Identifier: com.apple.FinalCut
Version: 10.4.9 (376482)
Build Info: ProEditor-37648002018000000~2
App Item ID: 424389933
App External ID: 837325800
Code Type: X86-64 (Native)
Parent Process: ??? [1]
Responsible: Final Cut Pro [17151]
User ID: 501

Date/Time: 2021-01-15 03:40:13.545 -0600
OS Version: Mac OS X 10.14.6 (18G6020)
Report Version: 12
Anonymous UUID: 4F85492E-0263-A681-09A3-F0DA143D940F

Sleep/Wake UUID: 2BAC9661-AFF6-471C-A7AD-20BCAF68FD4C

Time Awake Since Boot: 340000 seconds
Time Since Wake: 63000 seconds

System Integrity Protection: enabled

Crashed Thread: 57 Dispatch queue: com.apple.helium.rq.gpu-ru0.vs0.gcd

Exception Type: EXC_BAD_ACCESS (SIGSEGV)
Exception Codes: KERN_INVALID_ADDRESS at 0x0000000000000010
Exception Note: EXC_CORPSE_NOTIFY

Termination Signal: Segmentation fault: 11
Termination Reason: Namespace SIGNAL, Code 0xb
Terminating Process: exc handler [17151]

VM Regions Near 0x10:

-->

__TEXT 0000000105151000-0000000105245000 [976K] r-x/r-x
SM=COW /Applications/Final Cut Pro.app/Contents/MacOS/Final Cut Pro

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

0 libsystem_kernel.dylib 0x00007fff6f9ba21a mach_msg_trap + 10
1 libsystem_kernel.dylib 0x00007fff6f9ba768 mach_msg + 60
2 com.apple.CoreFoundation 0x00007fff438e2882
__CFRunLoopServiceMachPort + 328
3 com.apple.CoreFoundation 0x00007fff438e1df0 __CFRunLoopRun + 1612
4 com.apple.CoreFoundation 0x00007fff438e1552 CFRunLoopRunSpecific +
455

```

5 com.apple.HIToolbox      0x00007fff42b401ab RunCurrentEventLoopInMode +
292
6 com.apple.HIToolbox      0x00007fff42b3fee5 ReceiveNextEventCommon +
603
7 com.apple.HIToolbox      0x00007fff42b3fc76
_BlockUntilNextEventMatchingListInModeWithFilter + 64
8 com.apple.AppKit         0x00007fff40ed777d _DPSNextEvent + 1135
9 com.apple.AppKit         0x00007fff40ed646b -[NSApplication(NSEvent)
_nextEventMatchingEventMask:untilDate:inMode:dequeue:] + 1361
10 com.apple.AppKit        0x00007fff40ed0588 -[NSApplication run] + 699
11 com.apple.LunaKit       0x0000000108b3a134 LKApplicationMain + 340
12 libdyld.dylib           0x00007fff6f8853d5 start + 1

```

Thread 1:

```

0 libsystem_kernel.dylib   0x00007fff6f9bd866 __psynch_cvwait + 10
1 libsystem_pthread.dylib  0x00007fff6fa7c56e _pthread_cond_wait + 722
2 com.cinemagrade.StepsKit 0x000000011133bf34 void
boost::asio::detail::posix_event::wait<boost::asio::detail::conditionally_enabled_mutex::s
coped_lock>(boost::asio::detail::conditionally_enabled_mutex::scoped_lock&) + 44
3 com.cinemagrade.StepsKit 0x000000011133b7f1
boost::asio::detail::scheduler::do_run_one(boost::asio::detail::conditionally_enabled_mu
tex::scoped_lock&, boost::asio::detail::scheduler_thread_info&,
boost::system::error_code const&) + 217
4 com.cinemagrade.StepsKit 0x0000000111336b2a
boost::asio::detail::scheduler::run(boost::system::error_code&) + 252
5 com.cinemagrade.StepsKit 0x0000000111335357
TA_LIB_NS::GlobalVars::runIOService() + 51
6 com.cinemagrade.StepsKit 0x00000001113b3a38 0x111314000 + 653880
7 libsystem_pthread.dylib  0x00007fff6fa792eb _pthread_body + 126
8 libsystem_pthread.dylib  0x00007fff6fa7c249 _pthread_start + 66
9 libsystem_pthread.dylib  0x00007fff6fa7840d thread_start + 13

```

Thread 2:

```

0 libsystem_kernel.dylib   0x00007fff6f9bd866 __psynch_cvwait + 10
1 libsystem_pthread.dylib  0x00007fff6fa7c56e _pthread_cond_wait + 722
2 com.colorfinale.Utills    0x00000001115740e4 void
boost::asio::detail::posix_event::wait<boost::asio::detail::conditionally_enabled_mutex::s
coped_lock>(boost::asio::detail::conditionally_enabled_mutex::scoped_lock&) + 44
3 com.colorfinale.Utills    0x00000001115739a1
boost::asio::detail::scheduler::do_run_one(boost::asio::detail::conditionally_enabled_mu
tex::scoped_lock&, boost::asio::detail::scheduler_thread_info&,
boost::system::error_code const&) + 217
4 com.colorfinale.Utills    0x000000011156ecda
boost::asio::detail::scheduler::run(boost::system::error_code&) + 252
5 com.colorfinale.Utills    0x000000011156d507
TA_LIB_NS::GlobalVars::runIOService() + 51
6 com.colorfinale.Utills    0x00000001115eb7e8 0x1114a0000 + 1357800

```

```
7 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126
8 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66
9 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13
```

Thread 3:

```
0 libsystem_kernel.dylib 0x00007fff6f9ba21a mach_msg_trap + 10
1 libsystem_kernel.dylib 0x00007fff6f9ba768 mach_msg + 60
2 com.apple.CoreFoundation 0x00007fff438e2882
__CFRunLoopServiceMachPort + 328
3 com.apple.CoreFoundation 0x00007fff438e1df0 __CFRunLoopRun + 1612
4 com.apple.CoreFoundation 0x00007fff438e1552 CFRunLoopRunSpecific +
455
5 com.apple.Foundation 0x00007fff45b482df -[NSRunLoop(NSRunLoop)
runMode:beforeDate:] + 280
6 com.colorfinale.Utils 0x000000011150404b -
[FTColorFinaleUtilsBonjourDiscoverThread main] + 396
7 com.apple.Foundation 0x00007fff45b3e0c2 __NSThread__start__ + 1194
8 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126
9 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66
10 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13
```

Thread 4:

```
0 libsystem_kernel.dylib 0x00007fff6f9c078a kevent + 10
1 com.colorfinale.Utils 0x000000011153a640 CF::FTKQueue::EventLoop() +
72
2 com.colorfinale.Utils 0x000000011153db37 void*
std::__1::__thread_proxy<std::__1::tuple<std::__1::unique_ptr<std::__1::__thread_struct
, std::__1::default_delete<std::__1::__thread_struct> >,
CF::FTKQueue::FTKQueue()::'lambda'(>> >(void*) + 42
3 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126
4 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66
5 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13
```

Thread 5:: com.apple.CFSocket.private

```
0 libsystem_kernel.dylib 0x00007fff6f9c1616 __select + 10
1 com.apple.CoreFoundation 0x00007fff43910202 __CFSocketManager +
635
2 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126
3 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66
4 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13
```

Thread 6:

```
0 libsystem_kernel.dylib 0x00007fff6f9bd866 __psynch_cvwait + 10
1 libsystem_pthread.dylib 0x00007fff6fa7c56e _pthread_cond_wait + 722
2 libc++.1.dylib 0x00007fff6cab6a0a
std::__1::condition_variable::wait(std::__1::unique_lock<std::__1::mutex>&) + 18
3 com.colorfinale.Utils 0x00000001114f4902
```

```

syn_queue<std::__1::pair<std::__1::vector<std::__1::basic_string<char,
std::__1::char_traits<char>, std::__1::allocator<char>>,
std::__1::allocator<std::__1::basic_string<char, std::__1::char_traits<char>,
std::__1::allocator<char>>>>, CF::ftStream_t>
>::wait_pop(std::__1::pair<std::__1::vector<std::__1::basic_string<char,
std::__1::char_traits<char>, std::__1::allocator<char>>,
std::__1::allocator<std::__1::basic_string<char, std::__1::char_traits<char>,
std::__1::allocator<char>>>>, CF::ftStream_t&)+ 84
4  com.colorfinale.Utils          0x00000001114f4715 void*
std::__1::__thread_proxy<std::__1::tuple<std::__1::unique_ptr<std::__1::__thread_struct
, std::__1::default_delete<std::__1::__thread_struct>>, CF::FTPresetClient::Init()::
$_16>>(void*) + 92
5  libsystem_pthread.dylib        0x00007fff6fa792eb _pthread_body + 126
6  libsystem_pthread.dylib        0x00007fff6fa7c249 _pthread_start + 66
7  libsystem_pthread.dylib        0x00007fff6fa7840d thread_start + 13

```

Thread 7:

```

0  libsystem_kernel.dylib         0x00007fff6f9bd866 __psynch_cvwait + 10
1  libsystem_pthread.dylib        0x00007fff6fa7c56e _pthread_cond_wait + 722
2  libc++.1.dylib                 0x00007fff6cab6a0a
std::__1::condition_variable::wait(std::__1::unique_lock<std::__1::mutex>&)+ 18
3  com.colorfinale.Utils          0x000000011150c939
CF::detail::network::client::FTClientConnection::Wait(std::__1::chrono::duration<long
long, std::__1::ratio<1l, 1l>> const&)+ 113
4  com.colorfinale.Utils          0x0000000111515791 void*
std::__1::__thread_proxy<std::__1::tuple<std::__1::unique_ptr<std::__1::__thread_struct
, std::__1::default_delete<std::__1::__thread_struct>>,
CF::FTNetClient::ConnectToService(std::__1::basic_string<char,
std::__1::char_traits<char>, std::__1::allocator<char>> const&)::$_3>>(void*) + 300
5  libsystem_pthread.dylib        0x00007fff6fa792eb _pthread_body + 126
6  libsystem_pthread.dylib        0x00007fff6fa7c249 _pthread_start + 66
7  libsystem_pthread.dylib        0x00007fff6fa7840d thread_start + 13

```

Thread 8:: com.apple.ProGL.object-deletion

```

0  libsystem_kernel.dylib         0x00007fff6f9bd866 __psynch_cvwait + 10
1  libsystem_pthread.dylib        0x00007fff6fa7c56e _pthread_cond_wait + 722
2  com.apple.progl.framework      0x0000000108d43465 (anonymous
namespace)::threadFunc(void*) + 65
3  com.apple.procore.framework    0x00000001062a8259
PCThread::startup(void*) + 29
4  libsystem_pthread.dylib        0x00007fff6fa792eb _pthread_body + 126
5  libsystem_pthread.dylib        0x00007fff6fa7c249 _pthread_start + 66
6  libsystem_pthread.dylib        0x00007fff6fa7840d thread_start + 13

```

Thread 9:

```

0  libsystem_kernel.dylib         0x00007fff6f9bd866 __psynch_cvwait + 10
1  libsystem_pthread.dylib        0x00007fff6fa7c56e _pthread_cond_wait + 722

```

```
2 com.apple.GeForceMTLDriver      0x00007fff3f89904e 0x7fff3f735000 + 1458254
3 libsystem_pthread.dylib         0x00007fff6fa792eb _pthread_body + 126
4 libsystem_pthread.dylib         0x00007fff6fa7c249 _pthread_start + 66
5 libsystem_pthread.dylib         0x00007fff6fa7840d thread_start + 13
```

Thread 10:: ExtendedAudioFileScheduler::WorkerThreadProc

```
0 libsystem_kernel.dylib         0x00007fff6f9bd866 __psynch_cvwait + 10
1 libsystem_pthread.dylib         0x00007fff6fa7c56e _pthread_cond_wait + 722
2 com.apple.music.apps.MAFiles    0x000000012d3a321b
ExtendedAudioFileScheduler::WorkerThreadProc() + 123
3 com.apple.music.apps.MAFiles    0x000000012d3a3199
ExtendedAudioFileScheduler::WorkerThreadProc(void*) + 9
4 libsystem_pthread.dylib         0x00007fff6fa792eb _pthread_body + 126
5 libsystem_pthread.dylib         0x00007fff6fa7c249 _pthread_start + 66
6 libsystem_pthread.dylib         0x00007fff6fa7840d thread_start + 13
```

Thread 11:: ExtendedAudioFileScheduler::WorkerThreadProc

```
0 libsystem_kernel.dylib         0x00007fff6f9bd866 __psynch_cvwait + 10
1 libsystem_pthread.dylib         0x00007fff6fa7c56e _pthread_cond_wait + 722
2 com.apple.music.apps.MAFiles    0x000000012d3a321b
ExtendedAudioFileScheduler::WorkerThreadProc() + 123
3 com.apple.music.apps.MAFiles    0x000000012d3a3199
ExtendedAudioFileScheduler::WorkerThreadProc(void*) + 9
4 libsystem_pthread.dylib         0x00007fff6fa792eb _pthread_body + 126
5 libsystem_pthread.dylib         0x00007fff6fa7c249 _pthread_start + 66
6 libsystem_pthread.dylib         0x00007fff6fa7840d thread_start + 13
```

Thread 12:: com.apple.helium-texture-finish

```
0 libsystem_kernel.dylib         0x00007fff6f9bd866 __psynch_cvwait + 10
1 libsystem_pthread.dylib         0x00007fff6fa7c56e _pthread_cond_wait + 722
2 com.apple.Helium               0x000000010538fde4
TextureDeleteQueue::threadLoop() + 276
3 com.apple.Helium               0x000000010538f8dd textureFinishThread(void*) + 29
4 libsystem_pthread.dylib         0x00007fff6fa792eb _pthread_body + 126
5 libsystem_pthread.dylib         0x00007fff6fa7c249 _pthread_start + 66
6 libsystem_pthread.dylib         0x00007fff6fa7840d thread_start + 13
```

Thread 13:: com.apple.helium-pools

```
0 libsystem_kernel.dylib         0x00007fff6f9bdf2e __semwait_signal + 10
1 libsystem_c.dylib              0x00007fff6f949914 nanosleep + 199
2 libc++.1.dylib                 0x00007fff6cab9dc4
std::__1::__this_thread::sleep_for(std::__1::chrono::duration<long long, std::__1::ratio<1l,
1000000000l> > const&) + 73
3 com.apple.Helium               0x00000001053e6363 (anonymous
namespace)::poolsObserverThreadFunction() + 51
4 com.apple.Helium               0x00000001053e6478 void*
std::__1::__thread_proxy<std::__1::tuple<std::__1::unique_ptr<std::__1::__thread_struct
```

```
, std::__1::default_delete<std::__1::__thread_struct>, void (*)()>>(void*) + 40
5 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126
6 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66
7 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13
```

Thread 14:: MIO Mounting Thread

```
0 libsystem_kernel.dylib 0x00007fff6f9bd866 __psynch_cvwait + 10
1 libsystem_pthread.dylib 0x00007fff6fa7c5a1 _pthread_cond_wait + 773
2 com.apple.Foundation 0x00007fff45b88f8f -[NSCondition waitUntilDate:] +
130
3 com.apple.Foundation 0x00007fff45bab648 -[NSConditionLock
lockWhenCondition:beforeDate:] + 91
4 com.apple.proapps.MIO 0x00000001086ee4a9 -[PluginLockPair scanPaths] +
377
5 com.apple.Foundation 0x00007fff45b3e0c2 __NSThread__start__ + 1194
6 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126
7 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66
8 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13
```

Thread 15:: MIO Mounting Thread

```
0 libsystem_kernel.dylib 0x00007fff6f9bd866 __psynch_cvwait + 10
1 libsystem_pthread.dylib 0x00007fff6fa7c5a1 _pthread_cond_wait + 773
2 com.apple.Foundation 0x00007fff45b88f8f -[NSCondition waitUntilDate:] +
130
3 com.apple.Foundation 0x00007fff45bab648 -[NSConditionLock
lockWhenCondition:beforeDate:] + 91
4 com.apple.proapps.MIO 0x00000001086ee4a9 -[PluginLockPair scanPaths] +
377
5 com.apple.Foundation 0x00007fff45b3e0c2 __NSThread__start__ + 1194
6 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126
7 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66
8 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13
```

Thread 16:: MIO Mounting Thread

```
0 libsystem_kernel.dylib 0x00007fff6f9bd866 __psynch_cvwait + 10
1 libsystem_pthread.dylib 0x00007fff6fa7c5a1 _pthread_cond_wait + 773
2 com.apple.Foundation 0x00007fff45b88f8f -[NSCondition waitUntilDate:] +
130
3 com.apple.Foundation 0x00007fff45bab648 -[NSConditionLock
lockWhenCondition:beforeDate:] + 91
4 com.apple.proapps.MIO 0x00000001086ee4a9 -[PluginLockPair scanPaths] +
377
5 com.apple.Foundation 0x00007fff45b3e0c2 __NSThread__start__ + 1194
6 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126
7 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66
8 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13
```

Thread 17:: MIO Mounting Thread

0	libsystem_kernel.dylib	0x00007fff6f9bd866	__psynch_cvwait + 10
1	libsystem_pthread.dylib	0x00007fff6fa7c5a1	_pthread_cond_wait + 773
2	com.apple.Foundation	0x00007fff45b88f8f	-[NSCondition waitUntilDate:] + 130
3	com.apple.Foundation	0x00007fff45bab648	-[NSConditionLock lockWhenCondition:beforeDate:] + 91
4	com.apple.proapps.MIO	0x00000001086ee4a9	-[PluginLockPair scanPaths] + 377
5	com.apple.Foundation	0x00007fff45b3e0c2	__NSThread__start__ + 1194
6	libsystem_pthread.dylib	0x00007fff6fa792eb	_pthread_body + 126
7	libsystem_pthread.dylib	0x00007fff6fa7c249	_pthread_start + 66
8	libsystem_pthread.dylib	0x00007fff6fa7840d	thread_start + 13

Thread 18:: MIO Mounting Thread

0	libsystem_kernel.dylib	0x00007fff6f9bd866	__psynch_cvwait + 10
1	libsystem_pthread.dylib	0x00007fff6fa7c5a1	_pthread_cond_wait + 773
2	com.apple.Foundation	0x00007fff45b88f8f	-[NSCondition waitUntilDate:] + 130
3	com.apple.Foundation	0x00007fff45bab648	-[NSConditionLock lockWhenCondition:beforeDate:] + 91
4	com.apple.proapps.MIO	0x00000001086ee4a9	-[PluginLockPair scanPaths] + 377
5	com.apple.Foundation	0x00007fff45b3e0c2	__NSThread__start__ + 1194
6	libsystem_pthread.dylib	0x00007fff6fa792eb	_pthread_body + 126
7	libsystem_pthread.dylib	0x00007fff6fa7c249	_pthread_start + 66
8	libsystem_pthread.dylib	0x00007fff6fa7840d	thread_start + 13

Thread 19:: MIO Mounting Thread

0	libsystem_kernel.dylib	0x00007fff6f9bd866	__psynch_cvwait + 10
1	libsystem_pthread.dylib	0x00007fff6fa7c5a1	_pthread_cond_wait + 773
2	com.apple.Foundation	0x00007fff45b88f8f	-[NSCondition waitUntilDate:] + 130
3	com.apple.Foundation	0x00007fff45bab648	-[NSConditionLock lockWhenCondition:beforeDate:] + 91
4	com.apple.proapps.MIO	0x00000001086ee4a9	-[PluginLockPair scanPaths] + 377
5	com.apple.Foundation	0x00007fff45b3e0c2	__NSThread__start__ + 1194
6	libsystem_pthread.dylib	0x00007fff6fa792eb	_pthread_body + 126
7	libsystem_pthread.dylib	0x00007fff6fa7c249	_pthread_start + 66
8	libsystem_pthread.dylib	0x00007fff6fa7840d	thread_start + 13

Thread 20:: com.apple.helium.rq.gpu-ru0.vs0

0	libsystem_kernel.dylib	0x00007fff6f9bc9da	__ulock_wait + 10
1	libdispatch.dylib	0x00007fff6f838e19	_dispatch_ulock_wait + 47
2	libdispatch.dylib	0x00007fff6f83959d	_dispatch_group_wait_slow + 43
3	com.apple.Helium	0x00000001053754a2	

HGRenderExecUnit::RunLoop() + 6562

4 com.apple.Helium 0x0000000105373aee

StartRenderExecUnitFunc(void*) + 14

5 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126

6 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66

7 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13

Thread 21:: com.apple.helium.rq.gpu-ru1.vs0

0 libsystem_kernel.dylib 0x00007fff6f9bd866 __psynch_cvwait + 10

1 libsystem_pthread.dylib 0x00007fff6fa7c56e _pthread_cond_wait + 722

2 com.apple.Helium 0x000000010552ddb3 HGSynchronizable::Wait() + 51

3 com.apple.Helium 0x00000001053bd3b9

HGRenderQueue::GetRenderJob(HGRenderExecUnit*, HGRenderJob**) + 409

4 com.apple.Helium 0x0000000105373d3e

HGRenderExecUnit::RunLoop() + 574

5 com.apple.Helium 0x0000000105373aee

StartRenderExecUnitFunc(void*) + 14

6 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126

7 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66

8 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13

Thread 22:: com.apple.helium.rq.rbu0.vs0

0 libsystem_kernel.dylib 0x00007fff6f9bd866 __psynch_cvwait + 10

1 libsystem_pthread.dylib 0x00007fff6fa7c56e _pthread_cond_wait + 722

2 com.apple.Helium 0x000000010552ddb3 HGSynchronizable::Wait() + 51

3 com.apple.Helium 0x00000001053c0eeb

HGRenderQueue::GetGPUReadbackJob(HGGPUReadbackExecUnit*, HGGPUReadbackJob**) + 75

4 com.apple.Helium 0x0000000105487046

HGGPUReadbackExecUnit::RunLoop() + 166

5 com.apple.Helium 0x0000000105486f8e

StartGPUReadbackExecUnitFunc(void*) + 14

6 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126

7 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66

8 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13

Thread 23:: com.apple.helium.rq.rbu1.vs0

0 libsystem_kernel.dylib 0x00007fff6f9bd866 __psynch_cvwait + 10

1 libsystem_pthread.dylib 0x00007fff6fa7c56e _pthread_cond_wait + 722

2 com.apple.Helium 0x000000010552ddb3 HGSynchronizable::Wait() + 51

3 com.apple.Helium 0x00000001053c0eeb

HGRenderQueue::GetGPUReadbackJob(HGGPUReadbackExecUnit*, HGGPUReadbackJob**) + 75

4 com.apple.Helium 0x0000000105487046


```

HGGPUReadbackExecUnit::RunLoop() + 166
5 com.apple.Helium 0x0000000105486f8e
StartGPUReadbackExecUnitFunc(void*) + 14
6 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126
7 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66
8 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13

Thread 24:: com.apple.helium.rq.cpu-ru2
0 libsystem_kernel.dylib 0x00007fff6f9bd866 __psynch_cvwait + 10
1 libsystem_pthread.dylib 0x00007fff6fa7c56e _pthread_cond_wait + 722
2 com.apple.Helium 0x000000010552ddb3 HGSynchronizable::Wait() +
51
3 com.apple.Helium 0x00000001053bd3b9
HGRenderQueue::GetRenderJob(HGRenderExecUnit*, HGRenderJob**) + 409
4 com.apple.Helium 0x0000000105373d3e
HGRenderExecUnit::RunLoop() + 574
5 com.apple.Helium 0x0000000105373aee
StartRenderExecUnitFunc(void*) + 14
6 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126
7 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66
8 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13

Thread 25:: com.apple.helium.rq.cpu-ru3
0 libsystem_kernel.dylib 0x00007fff6f9bd866 __psynch_cvwait + 10
1 libsystem_pthread.dylib 0x00007fff6fa7c56e _pthread_cond_wait + 722
2 com.apple.Helium 0x000000010552ddb3 HGSynchronizable::Wait() +
51
3 com.apple.Helium 0x00000001053bd3b9
HGRenderQueue::GetRenderJob(HGRenderExecUnit*, HGRenderJob**) + 409
4 com.apple.Helium 0x0000000105373d3e
HGRenderExecUnit::RunLoop() + 574
5 com.apple.Helium 0x0000000105373aee
StartRenderExecUnitFunc(void*) + 14
6 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126
7 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66
8 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13

Thread 26:
0 libsystem_kernel.dylib 0x00007fff6f9bd866 __psynch_cvwait + 10
1 libsystem_pthread.dylib 0x00007fff6fa7c56e _pthread_cond_wait + 722
2 com.apple.Flexo 0x00000001075b62aa
FFPlayerThreadStateManager::waitForAttention() + 170
3 com.apple.Flexo 0x0000000106515114 -[FFPlayer _waitForAttention]
+ 100
4 com.apple.Flexo 0x00000001064ecfb9 -[FFPlayer
playerRenderThreadMain:] + 233
5 com.apple.Foundation 0x00007fff45b3e0c2 __NSThread__start__ + 1194

```

6 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126
7 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66
8 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13

Thread 27:: com.apple.flexo.time-rate-change-controller

0 libsystem_kernel.dylib 0x00007fff6f9bd866 __psynch_cvwait + 10
1 libsystem_pthread.dylib 0x00007fff6fa7c56e _pthread_cond_wait + 722
2 com.apple.Flexo 0x00000001064ea2f6
TimeRateChangeController::threadFunction() + 198
3 com.apple.Flexo 0x00000001064e9b95
TimeRateChangeController::thread_routine(void*) + 53
4 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126
5 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66
6 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13

Thread 28:: com.apple.helium-unit.2.0

0 libsystem_kernel.dylib 0x00007fff6f9bd866 __psynch_cvwait + 10
1 libsystem_pthread.dylib 0x00007fff6fa7c56e _pthread_cond_wait + 722
2 com.apple.Helium 0x00000001054dd73b hg_pthread_loop(void*) + 203
3 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126
4 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66
5 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13

Thread 29:: com.apple.helium-unit.2.1

0 libsystem_kernel.dylib 0x00007fff6f9bd866 __psynch_cvwait + 10
1 libsystem_pthread.dylib 0x00007fff6fa7c56e _pthread_cond_wait + 722
2 com.apple.Helium 0x00000001054dd73b hg_pthread_loop(void*) + 203
3 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126
4 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66
5 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13

Thread 30:: com.apple.helium-unit.2.2

0 libsystem_kernel.dylib 0x00007fff6f9bd866 __psynch_cvwait + 10
1 libsystem_pthread.dylib 0x00007fff6fa7c56e _pthread_cond_wait + 722
2 com.apple.Helium 0x00000001054dd73b hg_pthread_loop(void*) + 203
3 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126
4 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66
5 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13

Thread 31:: com.apple.helium-unit.2.3

0 libsystem_kernel.dylib 0x00007fff6f9bd866 __psynch_cvwait + 10
1 libsystem_pthread.dylib 0x00007fff6fa7c56e _pthread_cond_wait + 722
2 com.apple.Helium 0x00000001054dd73b hg_pthread_loop(void*) + 203
3 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126
4 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66
5 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13

Thread 32:: com.apple.helium-unit.2.4

0	libsystem_kernel.dylib	0x00007fff6f9bd866	__psynch_cvwait + 10
1	libsystem_pthread.dylib	0x00007fff6fa7c56e	_pthread_cond_wait + 722
2	com.apple.Helium	0x00000001054dd73b	hg_pthread_loop(void*) + 203
3	libsystem_pthread.dylib	0x00007fff6fa792eb	_pthread_body + 126
4	libsystem_pthread.dylib	0x00007fff6fa7c249	_pthread_start + 66
5	libsystem_pthread.dylib	0x00007fff6fa7840d	thread_start + 13

Thread 33:: com.apple.helium-unit.2.5

0	libsystem_kernel.dylib	0x00007fff6f9bd866	__psynch_cvwait + 10
1	libsystem_pthread.dylib	0x00007fff6fa7c56e	_pthread_cond_wait + 722
2	com.apple.Helium	0x00000001054dd73b	hg_pthread_loop(void*) + 203
3	libsystem_pthread.dylib	0x00007fff6fa792eb	_pthread_body + 126
4	libsystem_pthread.dylib	0x00007fff6fa7c249	_pthread_start + 66
5	libsystem_pthread.dylib	0x00007fff6fa7840d	thread_start + 13

Thread 34:: com.apple.NSEventThread

0	libsystem_kernel.dylib	0x00007fff6f9ba21a	mach_msg_trap + 10
1	libsystem_kernel.dylib	0x00007fff6f9ba768	mach_msg + 60
2	com.apple.CoreFoundation	0x00007fff438e2882	__CFRunLoopServiceMachPort + 328
3	com.apple.CoreFoundation	0x00007fff438e1df0	__CFRunLoopRun + 1612
4	com.apple.CoreFoundation	0x00007fff438e1552	CFRunLoopRunSpecific + 455
5	com.apple.AppKit	0x00007fff40edf4a2	_NSEventThread + 175
6	libsystem_pthread.dylib	0x00007fff6fa792eb	_pthread_body + 126
7	libsystem_pthread.dylib	0x00007fff6fa7c249	_pthread_start + 66
8	libsystem_pthread.dylib	0x00007fff6fa7840d	thread_start + 13

Thread 35:

0	libsystem_kernel.dylib	0x00007fff6f9ba21a	mach_msg_trap + 10
1	libsystem_kernel.dylib	0x00007fff6f9ba768	mach_msg + 60
2	com.apple.CoreFoundation	0x00007fff438e2882	__CFRunLoopServiceMachPort + 328
3	com.apple.CoreFoundation	0x00007fff438e1df0	__CFRunLoopRun + 1612
4	com.apple.CoreFoundation	0x00007fff438e1552	CFRunLoopRunSpecific + 455
5	com.apple.CoreFoundation	0x00007fff438e1366	CFRunLoopRun + 40
6	com.apple.DiscRecording	0x00007fff4588ee69	DRWorkLoop::WorkLoop() + 237
7	com.apple.DiscRecording	0x00007fff4588ed69	DRWorkLoop::WorkLoopEntry(DRWorkLoop*) + 9
8	com.apple.DiscRecording	0x00007fff4588ea1b	DRThreadObject::StartRoutine(DRThreadObject*) + 111
9	com.apple.DiscRecording	0x00007fff4588e8a5	DRThreadObject::SymbolRoutine(DRThreadObject*) + 9
10	libsystem_pthread.dylib	0x00007fff6fa792eb	_pthread_body + 126
11	libsystem_pthread.dylib	0x00007fff6fa7c249	_pthread_start + 66

12 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13

Thread 36:: com.apple.flexo.worker-queue-thread

0 libsystem_kernel.dylib 0x00007fff6f9ba256 semaphore_wait_trap + 10
1 com.apple.Flexo 0x0000000106809738 WorkerThreadRunnable::Run()
+ 376
2 com.apple.Flexo 0x000000010674bcff Thread::RunHelper(void*) + 47
3 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126
4 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66
5 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13

Thread 37:: com.apple.flexo.audio-kill-thread

0 libsystem_kernel.dylib 0x00007fff6f9ba256 semaphore_wait_trap + 10
1 com.apple.Flexo 0x0000000106809738 WorkerThreadRunnable::Run()
+ 376
2 com.apple.Flexo 0x000000010674bcff Thread::RunHelper(void*) + 47
3 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126
4 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66
5 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13

Thread 38:: Dispatch queue: com.apple.CompressorKit.CKImmediateBatchOperation
(QOS: UNSPECIFIED)

0 libsystem_kernel.dylib 0x00007fff6f9ba21a mach_msg_trap + 10
1 libsystem_kernel.dylib 0x00007fff6f9ba768 mach_msg + 60
2 com.apple.CoreFoundation 0x00007fff438e2882
__CFRunLoopServiceMachPort + 328
3 com.apple.CoreFoundation 0x00007fff438e1df0 __CFRunLoopRun + 1612
4 com.apple.CoreFoundation 0x00007fff438e1552 CFRunLoopRunSpecific +
455
5 com.apple.Foundation 0x00007fff45b8f22f -[NSConcreteTask waitUntilExit] +
220
6 com.apple.CompressorKitMAS 0x00000001301533b5 -
[CKImmediateBatchOperation runTranscodeFor:] + 1189
7 com.apple.CoreFoundation 0x00007fff438f175c __invoking___ + 140
8 com.apple.CoreFoundation 0x00007fff438f162b -[NSInvocation invoke] +
311
9 com.apple.Foundation 0x00007fff45c30d0e -[NSInvocationOperation main] +
34
10 com.apple.Foundation 0x00007fff45b57c9d -[__NSOperationInternal _start:]
+ 685
11 com.apple.Foundation 0x00007fff45b81c57 __NSOQSchedule_f + 227
12 libdispatch.dylib 0x00007fff6f8375f8
_dispatch_call_block_and_release + 12
13 libdispatch.dylib 0x00007fff6f83863d _dispatch_client_callout + 8
14 libdispatch.dylib 0x00007fff6f83ade6 _dispatch_continuation_pop +
414
15 libdispatch.dylib 0x00007fff6f83a4a3 _dispatch_async_redirect_invoke

+ 703
16 libdispatch.dylib 0x00007fff6f8463bc _dispatch_root_queue_drain +
324
17 libdispatch.dylib 0x00007fff6f846b46 _dispatch_worker_thread2 + 90
18 libsystem_pthread.dylib 0x00007fff6fa786b3 _pthread_wqthread + 583
19 libsystem_pthread.dylib 0x00007fff6fa783fd start_wqthread + 13

Thread 39:: BGTask: FFBackgroundShareOperation Dispatch queue:
NSOperationQueue 0x60003debf860 (QOS: UNSPECIFIED)

0 libsystem_kernel.dylib 0x00007fff6f9bd866 __psynch_cvwait + 10
1 libsystem_pthread.dylib 0x00007fff6fa7c5a1 _pthread_cond_wait + 773
2 com.apple.Foundation 0x00007fff45b88f8f -[NSCondition waitUntilDate:] +
130
3 com.apple.Foundation 0x00007fff45bab648 -[NSConditionLock
lockWhenCondition:beforeDate:] + 91
4 com.apple.Flexo 0x00000001067f42d3 -
[FFBackgroundShareOperation performShareOperation:task:] + 195
5 com.apple.Flexo 0x00000001071bee19
FFApplicationHandleExceptionThatShouldNotBelgnoredInBlock + 9
6 com.apple.Flexo 0x00000001066e6cd3 -[FFBackgroundTask main] +
515
7 com.apple.Foundation 0x00007fff45b57c9d -[__NSOperationInternal _start:]
+ 685
8 com.apple.Foundation 0x00007fff45b81c57 __NSOQSchedule_f + 227
9 libdispatch.dylib 0x00007fff6f843cea _dispatch_block_async_invoke2
+ 83
10 libdispatch.dylib 0x00007fff6f83863d _dispatch_client_callout + 8
11 libdispatch.dylib 0x00007fff6f83ade6 _dispatch_continuation_pop +
414
12 libdispatch.dylib 0x00007fff6f83a551 _dispatch_async_redirect_invoke
+ 877
13 libdispatch.dylib 0x00007fff6f8463bc _dispatch_root_queue_drain +
324
14 libdispatch.dylib 0x00007fff6f846b46 _dispatch_worker_thread2 + 90
15 libsystem_pthread.dylib 0x00007fff6fa786b3 _pthread_wqthread + 583
16 libsystem_pthread.dylib 0x00007fff6fa783fd start_wqthread + 13

Thread 40:

0 libsystem_kernel.dylib 0x00007fff6f9bd866 __psynch_cvwait + 10
1 libsystem_pthread.dylib 0x00007fff6fa7c56e _pthread_cond_wait + 722
2 com.apple.Flexo 0x00000001075b62aa
FFPlayerThreadStateManager::waitForAttention() + 170
3 com.apple.Flexo 0x0000000106515114 -[FFPlayer _waitForAttention]
+ 100
4 com.apple.Flexo 0x00000001064ecfb9 -[FFPlayer
playerRenderThreadMain:] + 233
5 com.apple.Foundation 0x00007fff45b3e0c2 __NSThread__start__ + 1194

```
6 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126
7 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66
8 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13
```

Thread 41:: com.apple.flexo.time-rate-change-controller

```
0 libsystem_kernel.dylib 0x00007fff6f9bd866 __psynch_cvwait + 10
1 libsystem_pthread.dylib 0x00007fff6fa7c56e _pthread_cond_wait + 722
2 com.apple.Flexo 0x00000001064ea2f6
TimeRateChangeController::threadFunction() + 198
3 com.apple.Flexo 0x00000001064e9b95
TimeRateChangeController::thread_routine(void*) + 53
4 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126
5 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66
6 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13
```

Thread 42:

```
0 libsystem_kernel.dylib 0x00007fff6f9bd866 __psynch_cvwait + 10
1 libsystem_pthread.dylib 0x00007fff6fa7c5a1 _pthread_cond_wait + 773
2 com.apple.Foundation 0x00007fff45b88f8f -[NSCondition waitUntilDate:] +
130
3 com.apple.Flexo 0x0000000106ab194c -[FFPlayerScheduledData
waitForFlattenedImagesBeforeDate:] + 92
4 com.apple.Flexo 0x0000000106506b0d -[FFPlayer _renderVideo] +
9933
5 com.apple.Flexo 0x000000010650923d -[FFPlayer idle] + 205
6 com.apple.Flexo 0x00000001064ed04d -[FFPlayer
playerRenderThreadMain:] + 381
7 com.apple.Foundation 0x00007fff45b3e0c2 __NSThread__start__ + 1194
8 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126
9 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66
10 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13
```

Thread 43:

```
0 libsystem_kernel.dylib 0x00007fff6f9bd866 __psynch_cvwait + 10
1 libsystem_pthread.dylib 0x00007fff6fa7c5a1 _pthread_cond_wait + 773
2 com.apple.Foundation 0x00007fff45b88f8f -[NSCondition waitUntilDate:] +
130
3 com.apple.Foundation 0x00007fff45bab648 -[NSConditionLock
lockWhenCondition:beforeDate:] + 91
4 com.apple.Flexo 0x0000000106803575 -[FFDestPromMSExporter
copyFrameAtTime:beforeDate:] + 389
5 com.apple.Flexo 0x0000000107080cac -[ProMSMediaServer
renderVideoFrame:] + 2300
6 com.apple.CompressorKitMAS 0x0000000130159e08
CKMediaServerRenderVideoFrameProc(void*, RenderVideoParams const*) + 54
7 com.apple.compressor.MediaServerAPI 0x00000001301d215f
CVideoMediaServerIPCHandler::handleMessage(MediaServerIPCParams&) + 315
```

8 com.apple.AECore 0x000000013086cd59
CPipeBasedIPCServer::beginMessageReceive() + 379
9 com.apple.compressor.MediaServerAPI 0x00000001301d0996
PluginReadyToRecieveRenderVideo + 136
10 com.apple.CompressorKitMAS 0x0000000130159f5b -[CKMediaServer
renderLoop:] + 61
11 com.apple.Foundation 0x00007fff45b3e0c2 __NSThread__start__ + 1194
12 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126
13 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66
14 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13

Thread 44:: com.apple.helium-unit.5.0

0 libsystem_kernel.dylib 0x00007fff6f9bd866 __psynch_cvwait + 10
1 libsystem_pthread.dylib 0x00007fff6fa7c56e _pthread_cond_wait + 722
2 com.apple.Helium 0x00000001054dd73b hg_pthread_loop(void*) + 203
3 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126
4 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66
5 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13

Thread 45:: com.apple.helium-unit.5.1

0 libsystem_kernel.dylib 0x00007fff6f9bd866 __psynch_cvwait + 10
1 libsystem_pthread.dylib 0x00007fff6fa7c56e _pthread_cond_wait + 722
2 com.apple.Helium 0x00000001054dd73b hg_pthread_loop(void*) + 203
3 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126
4 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66
5 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13

Thread 46:: com.apple.helium-unit.5.2

0 libsystem_kernel.dylib 0x00007fff6f9bd866 __psynch_cvwait + 10
1 libsystem_pthread.dylib 0x00007fff6fa7c56e _pthread_cond_wait + 722
2 com.apple.Helium 0x00000001054dd73b hg_pthread_loop(void*) + 203
3 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126
4 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66
5 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13

Thread 47:: com.apple.helium-unit.5.3

0 libsystem_kernel.dylib 0x00007fff6f9bd866 __psynch_cvwait + 10
1 libsystem_pthread.dylib 0x00007fff6fa7c56e _pthread_cond_wait + 722
2 com.apple.Helium 0x00000001054dd73b hg_pthread_loop(void*) + 203
3 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126
4 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66
5 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13

Thread 48:: com.apple.helium-unit.5.4

0 libsystem_kernel.dylib 0x00007fff6f9bd866 __psynch_cvwait + 10
1 libsystem_pthread.dylib 0x00007fff6fa7c56e _pthread_cond_wait + 722
2 com.apple.Helium 0x00000001054dd73b hg_pthread_loop(void*) + 203

3 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126
4 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66
5 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13

Thread 49:: com.apple.helium-unit.5.5

0 libsystem_kernel.dylib 0x00007fff6f9bd866 __psynch_cvwait + 10
1 libsystem_pthread.dylib 0x00007fff6fa7c56e _pthread_cond_wait + 722
2 com.apple.Helium 0x00000001054dd73b hg_pthread_loop(void*) + 203
3 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126
4 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66
5 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13

Thread 50:: com.apple.helium-unit.6.0

0 libsystem_kernel.dylib 0x00007fff6f9bd866 __psynch_cvwait + 10
1 libsystem_pthread.dylib 0x00007fff6fa7c56e _pthread_cond_wait + 722
2 com.apple.Helium 0x00000001054dd73b hg_pthread_loop(void*) + 203
3 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126
4 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66
5 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13

Thread 51:: com.apple.helium-unit.6.1

0 libsystem_kernel.dylib 0x00007fff6f9bd866 __psynch_cvwait + 10
1 libsystem_pthread.dylib 0x00007fff6fa7c56e _pthread_cond_wait + 722
2 com.apple.Helium 0x00000001054dd73b hg_pthread_loop(void*) + 203
3 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126
4 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66
5 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13

Thread 52:: com.apple.helium-unit.6.2

0 libsystem_kernel.dylib 0x00007fff6f9bd866 __psynch_cvwait + 10
1 libsystem_pthread.dylib 0x00007fff6fa7c56e _pthread_cond_wait + 722
2 com.apple.Helium 0x00000001054dd73b hg_pthread_loop(void*) + 203
3 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126
4 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66
5 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13

Thread 53:: com.apple.helium-unit.6.3

0 libsystem_kernel.dylib 0x00007fff6f9bd866 __psynch_cvwait + 10
1 libsystem_pthread.dylib 0x00007fff6fa7c56e _pthread_cond_wait + 722
2 com.apple.Helium 0x00000001054dd73b hg_pthread_loop(void*) + 203
3 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126
4 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66
5 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13

Thread 54:: com.apple.helium-unit.6.4

0 libsystem_kernel.dylib 0x00007fff6f9bd866 __psynch_cvwait + 10
1 libsystem_pthread.dylib 0x00007fff6fa7c56e _pthread_cond_wait + 722


```
2 com.apple.Helium 0x00000001054dd73b hg_thread_loop(void*) + 203
3 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126
4 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66
5 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13
```

Thread 55:: com.apple.helium-unit.6.5

```
0 libsystem_kernel.dylib 0x00007fff6f9bd866 __psynch_cvwait + 10
1 libsystem_pthread.dylib 0x00007fff6fa7c56e _pthread_cond_wait + 722
2 com.apple.Helium 0x00000001054dd73b hg_thread_loop(void*) + 203
3 libsystem_pthread.dylib 0x00007fff6fa792eb _pthread_body + 126
4 libsystem_pthread.dylib 0x00007fff6fa7c249 _pthread_start + 66
5 libsystem_pthread.dylib 0x00007fff6fa7840d thread_start + 13
```

Thread 56:: Dispatch queue: CA DispatchGroup

```
0 com.apple.QuartzCore 0x00007fff4e3910ca CABackingStoreCollect_(double,
bool) + 201
1 com.apple.QuartzCore 0x00007fff4e390e8c CABackingStoreCollect + 30
2 com.apple.QuartzCore 0x00007fff4e390dda async_collect_callback(void*) +
38
3 libdispatch.dylib 0x00007fff6f83863d _dispatch_client_callout + 8
4 libdispatch.dylib 0x00007fff6f83e8e0 _dispatch_lane_serial_drain +
602
5 libdispatch.dylib 0x00007fff6f83f396 _dispatch_lane_invoke + 385
6 libdispatch.dylib 0x00007fff6f8476ed
_dispatch_workloop_worker_thread + 598
7 libsystem_pthread.dylib 0x00007fff6fa78611 _pthread_wqthread + 421
8 libsystem_pthread.dylib 0x00007fff6fa783fd start_wqthread + 13
```

Thread 57 Crashed:: Dispatch queue: com.apple.helium.rq.gpu-ru0.vs0.gcd

```
0 com.apple.progl.framework 0x0000000108d393aa
ProGL::ContextHandle::getVirtualScreen() const + 4
1 com.apple.motion.TextFramework 0x0000000116c1da4f
TXGetGlyphBitmapInfo(TXGlyph const*, TXCoreTextFont const*, double, bool, double,
CGRect<double>&, double&, PCMatrix33Tmp<double>*, TXGlyphMetrics&, double&,
unsigned short&, bool) + 719
2 com.apple.motion.TextFramework 0x0000000116ce4410
TXCoreTextGlyph::getBitmapRenderParams(TXGlyphRequest const&,
CGRect<double>*) + 160
3 com.apple.motion.TextFramework 0x0000000116ce45f2
TXCoreTextGlyph::getBitmap(CGRect<double>*, TXGlyphRequest const&, bool, bool) +
210
4 com.apple.motion.TextFramework 0x0000000116cc3082
TXTextObject::getBitmap(TXSyncedGlyphRequest const&) + 370
5 com.apple.motion.TextFramework 0x0000000116d430b2
TXCachedMipmapLevel::getSrcBitmap() + 34
6 com.apple.motion.TextFramework 0x0000000116d42873
TXCachedMipmapLevel::getImage() + 147
```

7 com.apple.motion.TextFramework 0x0000000116d43516
TXCachedMipmapLevel::getMetalTexture(HGGLRenderer*) + 150
8 com.apple.motion.TextFramework 0x0000000116d44041
TXHGCachedMipmapLevel::RenderPageMetal(HGPage*) + 33
9 com.apple.Helium 0x0000000105366b59
HGGLRenderer::RenderPage(HGNode*, HGPage*) + 393
10 com.apple.Helium 0x0000000105366953
HGGLRenderer::ProcessOnePage(HGNode*, HGRect, HGROIsInfo&, HGFormat,
HGBuffer*, bool, bool) + 1491
11 com.apple.Helium 0x0000000105365435
HGGLRenderer::ProcessNodeInternal(HGNode*, HGRect, HGFormat, HGBuffer*, bool,
bool, bool) + 421
12 com.apple.Helium 0x0000000105362c66
HGGLRenderer::GetNodeBitmap(HGNode*, HGRect, HGBuffer*, bool) + 774
13 com.apple.Helium 0x0000000105383f80
HGAnisotropicSampler::GetPageMetal(HGPage*, HGRect, HGRect, HGFilterMode,
unsigned int, int) + 2304
14 com.apple.Helium 0x0000000105381cc1
HGAnisotropicSampler::RenderPageGeneric(HGPage*, HGGPUPRenderAPI) + 305
15 com.apple.Helium 0x0000000105366b59
HGGLRenderer::RenderPage(HGNode*, HGPage*) + 393
16 com.apple.Helium 0x0000000105366953
HGGLRenderer::ProcessOnePage(HGNode*, HGRect, HGROIsInfo&, HGFormat,
HGBuffer*, bool, bool) + 1491
17 com.apple.Helium 0x0000000105365435
HGGLRenderer::ProcessNodeInternal(HGNode*, HGRect, HGFormat, HGBuffer*, bool,
bool, bool) + 421
18 com.apple.Helium 0x0000000105362c66
HGGLRenderer::GetNodeBitmap(HGNode*, HGRect, HGBuffer*, bool) + 774
19 com.apple.Helium 0x00000001054b7dda
HGNode::PullMetalTextures(HGPage*, int) + 282
20 com.apple.Helium 0x00000001054b85ae
HGNode::RenderPageMetal(HGPage*) + 62
21 com.apple.Helium 0x0000000105366b59
HGGLRenderer::RenderPage(HGNode*, HGPage*) + 393
22 com.apple.Helium 0x0000000105366953
HGGLRenderer::ProcessOnePage(HGNode*, HGRect, HGROIsInfo&, HGFormat,
HGBuffer*, bool, bool) + 1491
23 com.apple.Helium 0x0000000105365435
HGGLRenderer::ProcessNodeInternal(HGNode*, HGRect, HGFormat, HGBuffer*, bool,
bool, bool) + 421
24 com.apple.Helium 0x0000000105362b49
HGGLRenderer::GetNodeBitmap(HGNode*, HGRect, HGBuffer*, bool) + 489
25 com.apple.Helium 0x000000010537afec
HGGLMultiBlend::RenderPageMetal(HGPage*) + 428
26 com.apple.Helium 0x0000000105366b59
HGGLRenderer::RenderPage(HGNode*, HGPage*) + 393

27 com.apple.Helium 0x0000000105366953
HGGLRenderer::ProcessOnePage(HGNode*, HGRect, HGROIsInfo&, HGFormat,
HGBuffer*, bool, bool) + 1491

28 com.apple.Helium 0x0000000105365435
HGGLRenderer::ProcessNodeInternal(HGNode*, HGRect, HGFormat, HGBuffer*, bool,
bool, bool) + 421

29 com.apple.Helium 0x0000000105362c66
HGGLRenderer::GetNodeBitmap(HGNode*, HGRect, HGBuffer*, bool) + 774

30 com.apple.Helium 0x00000001054b7dda
HGNode::PullMetalTextures(HGPage*, int) + 282

31 com.apple.Helium 0x00000001054b7d64
HGNode::PullMetalTextures(HGPage*, int) + 164

32 com.apple.Helium 0x00000001054b7d64
HGNode::PullMetalTextures(HGPage*, int) + 164

33 com.apple.Helium 0x00000001054b7d64
HGNode::PullMetalTextures(HGPage*, int) + 164

34 com.apple.Helium 0x00000001054b7d64
HGNode::PullMetalTextures(HGPage*, int) + 164

35 com.apple.Helium 0x00000001054b7d64
HGNode::PullMetalTextures(HGPage*, int) + 164

36 com.apple.Helium 0x00000001054b7d64
HGNode::PullMetalTextures(HGPage*, int) + 164

37 com.apple.Helium 0x00000001054fa692
HGCropNode::RenderPageMetal(HGPage*) + 50

38 com.apple.Helium 0x0000000105366b59
HGGLRenderer::RenderPage(HGNode*, HGPage*) + 393

39 com.apple.Helium 0x0000000105366953
HGGLRenderer::ProcessOnePage(HGNode*, HGRect, HGROIsInfo&, HGFormat,
HGBuffer*, bool, bool) + 1491

40 com.apple.Helium 0x0000000105365435
HGGLRenderer::ProcessNodeInternal(HGNode*, HGRect, HGFormat, HGBuffer*, bool,
bool, bool) + 421

41 com.apple.Helium 0x0000000105362b49
HGGLRenderer::GetNodeBitmap(HGNode*, HGRect, HGBuffer*, bool) + 489

42 com.apple.Helium 0x0000000105580388
HGTW::_setupSamplerWrappedBuffer(HGPage*, HGNode*, HGRect const&, bool,
HGGPURenderAPI, HGEDgePolicy const&) + 120

43 com.apple.Helium 0x00000001055809d5
HGTW::HGTextureWrapClampToEdge::_renderPage(HGPage*, HGGPURenderAPI) +
197

44 com.apple.Helium 0x0000000105366b59
HGGLRenderer::RenderPage(HGNode*, HGPage*) + 393

45 com.apple.Helium 0x0000000105366953
HGGLRenderer::ProcessOnePage(HGNode*, HGRect, HGROIsInfo&, HGFormat,
HGBuffer*, bool, bool) + 1491

46 com.apple.Helium 0x0000000105365435
HGGLRenderer::ProcessNodeInternal(HGNode*, HGRect, HGFormat, HGBuffer*, bool,

```

bool, bool) + 421
47 com.apple.Helium          0x0000000105362c66
HGGLRenderer::GetNodeBitmap(HGNode*, HGRect, HGBuffer*, bool) + 774
48 com.apple.Helium          0x00000001054b7dda
HGNode::PullMetalTextures(HGPage*, int) + 282
49 com.apple.Helium          0x00000001054b85ae
HGNode::RenderPageMetal(HGPage*) + 62
50 com.apple.Helium          0x0000000105366b59
HGGLRenderer::RenderPage(HGNode*, HGPage*) + 393
51 com.apple.Helium          0x0000000105366953
HGGLRenderer::ProcessOnePage(HGNode*, HGRect, HGROIInfo&, HGFormat,
HGBuffer*, bool, bool) + 1491
52 com.apple.Helium          0x0000000105365435
HGGLRenderer::ProcessNodeInternal(HGNode*, HGRect, HGFormat, HGBuffer*, bool,
bool, bool) + 421
53 com.apple.Helium          0x0000000105362c66
HGGLRenderer::GetNodeBitmap(HGNode*, HGRect, HGBuffer*, bool) + 774
54 com.apple.Helium          0x00000001054b7dda
HGNode::PullMetalTextures(HGPage*, int) + 282
55 com.apple.Helium          0x00000001054b85ae
HGNode::RenderPageMetal(HGPage*) + 62
56 com.apple.Helium          0x0000000105366b59
HGGLRenderer::RenderPage(HGNode*, HGPage*) + 393
57 com.apple.Helium          0x0000000105366953
HGGLRenderer::ProcessOnePage(HGNode*, HGRect, HGROIInfo&, HGFormat,
HGBuffer*, bool, bool) + 1491
58 com.apple.Helium          0x0000000105365435
HGGLRenderer::ProcessNodeInternal(HGNode*, HGRect, HGFormat, HGBuffer*, bool,
bool, bool) + 421
59 com.apple.Helium          0x000000010536252c
HGGLRenderer::ProcessNode(HGNode*, HGRect, HGFormat, HGBitmap*, HGBuffer*,
bool, bool, bool) + 220
60 com.apple.Helium          0x00000001053623d5
HGGLRenderer::RenderTiles(HGNode*, HGRect, HGFormat, HGBitmap*, bool, bool) +
453
61 com.apple.Helium          0x000000010546c813
HGRenderer::RenderNode(HGNode*, HGRect, HGFormat, HGBitmap*) + 115
62 com.apple.Helium          0x00000001054710d3
HGRenderer::RenderNodes(std::__1::vector<HGRendererOutput,
std::__1::allocator<HGRendererOutput> > const&, bool) + 1043
63 com.apple.Helium          0x0000000105470718
HGRenderer::RenderNode(HGRendererOutput const&, bool) + 120
64 com.apple.Helium          0x0000000105376cc9
HGRenderExecUnit::ExecuteRenderGPU(HGRenderJob*) + 3129
65 libdispatch.dylib          0x00007fff6f843cea _dispatch_block_async_invoke2
+ 83
66 libdispatch.dylib          0x00007fff6f83863d _dispatch_client_callout + 8

```

67 libdispatch.dylib 0x00007fff6f83ea17 _dispatch_lane_serial_drain + 913
68 libdispatch.dylib 0x00007fff6f83f3c6 _dispatch_lane_invoke + 433
69 libdispatch.dylib 0x00007fff6f8476ed
_dispatch_workloop_worker_thread + 598
70 libsystem_pthread.dylib 0x00007fff6fa78611 _pthread_wqthread + 421
71 libsystem_pthread.dylib 0x00007fff6fa783fd start_wqthread + 13

Thread 58:

0 libsystem_pthread.dylib 0x00007fff6fa783f0 start_wqthread + 0

Thread 59:

0 libsystem_pthread.dylib 0x00007fff6fa783f0 start_wqthread + 0

Thread 60:

0 libsystem_pthread.dylib 0x00007fff6fa783f0 start_wqthread + 0

Thread 61:

0 libsystem_pthread.dylib 0x00007fff6fa783f0 start_wqthread + 0

Thread 57 crashed with X86 Thread State (64-bit):

rax: 0x0000000000000000 rbx: 0x0000700010b8dc30 rcx: 0x0000000000000138
rdx: 0x0000700010b91000
rdi: 0x0000000000000010 rsi: 0x0000600039c49290 rbp: 0x0000700010b8d860 rsp: 0x0000700010b8d860
r8: 0x00007ffa5ffd3a0 r9: 0x000000000000007fb r10: 0x00000000000002eb0 r11: 0x00000000000000090
r12: 0x0000700010b8d9a0 r13: 0x0000700010b8d960 r14: 0x0000700010b8dbe0
r15: 0x00007f839bf980d0
rip: 0x0000000108d393aa rfi: 0x00000000000010202 cr2: 0x0000000000000010

Logical CPU: 4

Error Code: 0x00000004

Trap Number: 14

Binary Images:

0x105151000 - 0x105244fff com.apple.FinalCut (10.4.9 - 376482)
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Contents/MacOS/Final Cut Pro
0x10530d000 - 0x105322ffb com.apple.ProExtension.ProExtensionService
(1.0 - 37498.4.18) <8539DB21-C5DF-3E7F-81ED-3277610683AB> /Applications/Final
Cut Pro.app/Contents/Frameworks/ProExtensionSupport.framework/Versions/A/
ProExtensionSupport
0x105340000 - 0x105de8fff com.apple.Helium (3.1.0 - 18567.3)
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StudioSharedResources
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37483.3.18) <DCDCD0B6-D242-38F1-972C-77AB314DF267> /Applications/Final Cut
Pro.app/Contents/Frameworks/ProChannel.framework/Versions/A/ProChannel
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DeepSkyLite.framework/Versions/A/DeepSkyLite
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37220.2.18) <27C58F76-721F-38FF-ACE3-196E0105673E> /Applications/Final Cut
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0x1099f6000 - 0x109a47ff7 com.apple.proshapes.framework (1.0 -
36745.0.18) <13CEDDE1-75EF-31E2-B5BE-6DCAECD098C5> /Applications/Final Cut
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37295.2.18) <B49689B7-1AF6-310D-95CC-3A4AF11575DC> /Applications/Final Cut
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TLKEventDispatcher
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370) <A487A6C8-A106-3CA9-BF3C-7DA7886908AC> /System/Library/Frameworks/
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0x10fa01000 - 0x10fa29ffb com.apple.FxPlug.provider (1.0.0 - 37557.8.18)
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MacOS/Filters
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MacOS/AppleCanonRAWDecoder

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0x1155c6000 - 0x1155defff com.apple.proapps.AppleIMXCodec (2.0.5 - 13707.68) <B49A3FE1-0E00-337C-91DF-2A4C81C19E80> /Applications/Final Cut Pro.app/Contents/PlugIns/InternalCodecs/AppleIMXCodec.bundle/Contents/MacOS/AppleIMXCodec

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0x115b28000 - 0x11662aff com.apple.ozone.framework (5.0.0 - 37648.2.18) <3043EC13-41A1-31D4-956F-3E8B456FBF2A> /Applications/Final Cut Pro.app/Contents/Frameworks/Ozone.framework/Versions/A/Ozone

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0x1312c1000 - 0x131369fff com.apple.qmaster.JobControl (4.4.7 - 4.4.7) <2FED7CFF-7AFE-3F7C-BFE7-E9F506D557E1> /Applications/Final Cut Pro.app/Contents/PlugIns/Compressor/CompressorKit.bundle/Contents/Frameworks/Qmaster.framework/Versions/A/Frameworks/JobControl.framework/Versions/A/JobControl

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125.130) <72F01008-B40B-3CF7-845D-A0C022CD8E11> /System/Library/
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Versions/A/SpeechSynthesis

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0x7fff44afe000 - 0x7fff44afefff com.apple.CoreServices (946 - 946)
<FA85ED71-4375-319B-BDC8-AD6231653280> /System/Library/Frameworks/
CoreServices.framework/Versions/A/CoreServices

0x7fff44aff000 - 0x7fff44b7bff7 com.apple.AE (773 - 773)
<55AE7C9E-27C3-30E9-A047-3B92A6FD53B4> /System/Library/Frameworks/
CoreServices.framework/Versions/A/Frameworks/AE.framework/Versions/A/AE

0x7fff44b7c000 - 0x7fff44e53fff com.apple.CoreServices.CarbonCore (1178.33 -
1178.33) <CB87F0C7-2CD6-3983-8E32-B6A2EC925352> /System/Library/
Frameworks/CoreServices.framework/Versions/A/Frameworks/CarbonCore.framework/
Versions/A/CarbonCore

0x7fff44e54000 - 0x7fff44e9cff7 com.apple.DictionaryServices (1.2 - 284.16.4)
<746EB200-DC51-30AE-9CBC-608A7B4CC8DA> /System/Library/Frameworks/
CoreServices.framework/Versions/A/Frameworks/DictionaryServices.framework/
Versions/A/DictionaryServices

0x7fff44e9d000 - 0x7fff44ea5ffb com.apple.CoreServices.FSEvents (1239.200.13
- 1239.200.13) <5913F08D-4AA2-3200-B998-012E6A19A66D> /System/Library/
Frameworks/CoreServices.framework/Versions/A/Frameworks/FSEvents.framework/
Versions/A/FSEvents

0x7fff44ea6000 - 0x7fff45057ff7 com.apple.LaunchServices (946 - 946)
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CoreServices.framework/Versions/A/Frameworks/LaunchServices.framework/Versions/
A/LaunchServices

0x7fff45058000 - 0x7fff450f6ff7 com.apple.Metadata (10.7.0 - 1191.58)
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CoreServices.framework/Versions/A/Frameworks/Metadata.framework/Versions/A/
Metadata

0x7fff450f7000 - 0x7fff45141ff7 com.apple.CoreServices.OSServices (946 - 946)
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CoreServices.framework/Versions/A/Frameworks/OSServices.framework/Versions/A/
OSServices

0x7fff45142000 - 0x7fff451a9ff7 com.apple.SearchKit (1.4.0 - 1.4.0) <DA08AA6F-
A6F1-36C0-87F4-E26294E51A3A> /System/Library/Frameworks/
CoreServices.framework/Versions/A/Frameworks/SearchKit.framework/Versions/A/
SearchKit

0x7fff451aa000 - 0x7fff451cbff3 com.apple.coreservices.SharedFileList (71.28 -

71.28) <487A8464-729E-305A-B5D1-E3FE8EB9CFC5> /System/Library/Frameworks/CoreServices.framework/Versions/A/Frameworks/SharedFileList.framework/Versions/A/SharedFileList

0x7fff454d6000 - 0x7fff45638ff3 com.apple.CoreText (352.0 - 584.26.3.4)
<7247EA49-9F90-3258-AABF-932C6343BD6A> /System/Library/Frameworks/CoreText.framework/Versions/A/CoreText

0x7fff45639000 - 0x7fff45679ff3 com.apple.CoreVideo (1.8 - 281.4)
<10CF8E52-07E3-382B-8091-2CEEEFFA69B4> /System/Library/Frameworks/CoreVideo.framework/Versions/A/CoreVideo

0x7fff4567a000 - 0x7fff45709fff com.apple.framework.CoreWLAN (13.0 - 1375.2)
<A476486C-B863-3941-BAE6-A78BDFED4A3B> /System/Library/Frameworks/CoreWLAN.framework/Versions/A/CoreWLAN

0x7fff45880000 - 0x7fff4588bffb com.apple.DirectoryService.Framework (10.14 - 207.200.4) <49B086F4-AFA2-3ABB-8D2E-CE253044C1C0> /System/Library/Frameworks/DirectoryService.framework/Versions/A/DirectoryService

0x7fff4588c000 - 0x7fff4593afff com.apple.DiscRecording (9.0.3 - 9030.4.5)
<D7A28B57-C025-3D44-BB17-82243B7B91BC> /System/Library/Frameworks/DiscRecording.framework/Versions/A/DiscRecording

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<A31C207C-8255-3E93-9DD7-D80C4B179050> /System/Library/Frameworks/DiskArbitration.framework/Versions/A/DiskArbitration

0x7fff45b2c000 - 0x7fff45ed9ffb com.apple.Foundation (6.9 - 1575.300)
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0x7fff45edb000 - 0x7fff45f04ff7 com.apple.GLKit (1.0 - 101)
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0x7fff45f48000 - 0x7fff45f77ffb com.apple.GSS (4.0 - 2.0)
<E2B90D08-3857-3155-9FCC-07D778988EC9> /System/Library/Frameworks/GSS.framework/Versions/A/GSS

0x7fff46077000 - 0x7fff46181fff com.apple.Bluetooth (6.0.14 - 6.0.14d11)
<C2CE7A31-E7A1-3058-AA32-F80297C04FFC> /System/Library/Frameworks/IOBluetooth.framework/Versions/A/IOBluetooth

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<85F85EBB-EA59-3A8B-B3EB-7C20F3CC77AE> /System/Library/Frameworks/IOSurface.framework/Versions/A/IOSurface

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0x7fff46465000 - 0x7fff46469ffb libGIF.dylib (1850.2.7) <1F60E131-3255-324F-A73D-87B8B66A51F9> /System/Library/Frameworks/ImageIO.framework/Versions/A/

Resources/libGIF.dylib

0x7fff4646a000 - 0x7fff46546fe7 libJP2.dylib (1850.2.7)
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ImageIO.framework/Versions/A/Resources/libJP2.dylib

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Versions/A/Resources/libJPEG.dylib

0x7fff46842000 - 0x7fff46868feb libPng.dylib (1850.2.7) <85AFD5DD-D842-3F6C-
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Resources/libPng.dylib

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Versions/A/Resources/libRadiance.dylib

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Resources/libTIFF.dylib

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JavaScriptCore.framework/Versions/A/JavaScriptCore

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Kerberos.framework/Versions/A/Kerberos

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LDAP.framework/Versions/A/LDAP

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MediaAccessibility.framework/Versions/A/MediaAccessibility

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MediaLibrary.framework/Versions/A/MediaLibrary

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MediaPlayer.framework/Versions/A/MediaPlayer

0x7fff47db9000 - 0x7fff4845ffff com.apple.MediaToolbox (1.0 - 2290.14)
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MediaToolbox.framework/Versions/A/MediaToolbox

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Versions/A/Metal

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MetalKit.framework/Versions/A/MetalKit

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MPSImage

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(1.0 - 1) <E64450DF-2B96-331E-B7F4-666E00571C70> /System/Library/Frameworks/
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MPSMatrix

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Versions/A/MPSNeuralNetwork

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Versions/A/MPSRayIntersector

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MetalPerformanceShaders.framework/Versions/A/MetalPerformanceShaders

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Versions/A/ModelIO

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MultipeerConnectivity.framework/Versions/A/MultipeerConnectivity

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NetFS.framework/Versions/A/NetFS

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A56E-3BD9-AC07-C5D6334B3572> /System/Library/Frameworks/Network.framework/
Versions/A/Network

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OpenAL.framework/Versions/A/OpenAL

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Versions/A/Libraries/libcldcpuengine.dylib

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F607-39E5-BDF6-5C37C9B67430> /System/Library/Frameworks/OpenCL.framework/
Versions/A/OpenCL

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0x7fff4c049000 - 0x7fff4c054ffb com.apple.OpenDirectory (10.14 - 207.200.4) <A8020CEE-5B78-3581-A735-EA2833683F31> /System/Library/Frameworks/OpenDirectory.framework/Versions/A/OpenDirectory

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0x7fff4cb75000 - 0x7fff4cbb3fff libGLU.dylib (17.7.3) <5BB2F84A-4D96-35A1-8A5B-99AE39CD9E59> /System/Library/Frameworks/OpenGL.framework/Versions/A/Libraries/libGLU.dylib

0x7fff4d550000 - 0x7fff4d55ffff com.apple.opengl (17.7.3 - 17.7.3) <9C1FCE6E-FED6-3A09-9FDC-4C81F8CDB2A6> /System/Library/Frameworks/OpenGL.framework/Versions/A/OpenGL

0x7fff4d560000 - 0x7fff4d6f7ff7 GLEngine (17.7.3) <278B0AAC-FDAB-3B94-BE2E-BA6EFAF166AF> /System/Library/Frameworks/OpenGL.framework/Versions/A/Resources/GLEngine.bundle/GLEngine

0x7fff4d6f8000 - 0x7fff4d721ff3 GLRendererFloat (17.7.3) <5977E0A4-0F02-33F1-9F66-72D926A4D2C1> /System/Library/Frameworks/OpenGL.framework/Versions/A/Resources/GLRendererFloat.bundle/GLRendererFloat

0x7fff4d8e2000 - 0x7fff4da2bff7 com.apple.QTKit (7.7.3 - 3040) <D42BB4BE-B347-3113-ACA4-3257A5E45F52> /System/Library/Frameworks/QTKit.framework/Versions/A/QTKit

0x7fff4da2c000 - 0x7fff4dc80fff com.apple.imageKit (3.0 - 1067) <4F398AF4-828E-3FC2-9E3D-4EE3F36F7619> /System/Library/Frameworks/Quartz.framework/Versions/A/Frameworks/ImageKit.framework/Versions/A/ImageKit

0x7fff4dc81000 - 0x7fff4dd6eff3 com.apple.PDFKit (1.0 - 745.4) <59D93E57-

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Quartz.framework/Versions/A/Frameworks/QuartzComposer.framework/Versions/A/
QuartzComposer
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Quartz.framework/Versions/A/Frameworks/QuartzFilters.framework/Versions/A/
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QuickLook.framework/Versions/A/QuickLook
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14609.3.5.1.5) <A22C005D-81A4-3C43-B108-67C05C481383> /System/Library/
Frameworks/SafariServices.framework/Versions/A/SafariServices
0x7fff4e7f8000 - 0x7fff4edb9ff7 com.apple.SceneKit (1.0 - 470.10) <18ED018F-
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Versions/A/SceneKit
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ScriptingBridge.framework/Versions/A/ScriptingBridge
0x7fff4edf6000 - 0x7fff4f0f6ff7 com.apple.security (7.0 - 58286.270.10)
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Security.framework/Versions/A/Security
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ServiceManagement.framework/Versions/A/ServiceManagement
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SystemConfiguration.framework/Versions/A/SystemConfiguration

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0x7fff4fe54000 - 0x7fff50460ff7 libwebrtc.dylib (7607.3.9) <37081D15-C9F6-3F13-A29A-0F5672AC916E> /System/Library/Frameworks/WebKit.framework/Versions/A/Frameworks/WebCore.framework/Versions/A/Frameworks/libwebrtc.dylib

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0x7fff51de8000 - 0x7fff51fd9ffb com.apple.WebKitLegacy (14607 - 14607.3.9) <3DE32075-E6CE-3FF1-B4EC-32A9DC0D5EF1> /System/Library/Frameworks/WebKit.framework/Versions/A/Frameworks/WebKitLegacy.framework/Versions/A/WebKitLegacy

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MediaServices.framework/Versions/A/MediaServices

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0x7fff6c8e6000 - 0x7fff6c8e7fff libThaiTokenizer.dylib (2.15.1)
<ADB37DC3-7D9B-3E73-A72A-BCC3433C937A> /usr/lib/libThaiTokenizer.dylib
0x7fff6c8f9000 - 0x7fff6c90ffff libapple_nghttp2.dylib (1.24.1)
<6F04250A-6686-3FDC-9A8D-290C64B06502> /usr/lib/libapple_nghttp2.dylib
0x7fff6c910000 - 0x7fff6c939ffb libarchive.2.dylib (54.250.1)

<47289946-8504-3966-9127-6CE39993DC2C> /usr/lib/libarchive.2.dylib
0x7fff6c93a000 - 0x7fff6c9b9fff libate.dylib (1.13.8) <92B44EDB-369D-3EE8-AEC5-61F8B9313DBF> /usr/lib/libate.dylib
0x7fff6c9bd000 - 0x7fff6c9bdfff libauto.dylib (187)
<3E3780E1-96F3-3A22-91C5-92F9A5805518> /usr/lib/libauto.dylib
0x7fff6ca8f000 - 0x7fff6ca9ffff libbsm.0.dylib (39.200.18) <CF381E0B-025B-364F-A83D-2527E03F1AA3> /usr/lib/libbsm.0.dylib
0x7fff6caa0000 - 0x7fff6caadfff libbz2.1.0.dylib (38.200.3)
<272953A1-8D36-329B-BDDB-E887B347710F> /usr/lib/libbz2.1.0.dylib
0x7fff6caae000 - 0x7fff6cb01fff libc++.1.dylib (400.9.4) <9A60A190-6C34-339F-BB3D-AACE942009A4> /usr/lib/libc++.1.dylib
0x7fff6cb02000 - 0x7fff6cb17fff libc++abi.dylib (400.17)
<38C09CED-9090-3719-90F3-04A2749F5428> /usr/lib/libc++abi.dylib
0x7fff6cb18000 - 0x7fff6cb18fff libcharset.1.dylib (51.200.6)
<2A27E064-314C-359C-93FC-8A9B06206174> /usr/lib/libcharset.1.dylib
0x7fff6cb19000 - 0x7fff6cb29fff libcmph.dylib (6.15.1) <9C52B2FE-179F-32AC-B87E-2AFC49ABF817> /usr/lib/libcmph.dylib
0x7fff6cb2a000 - 0x7fff6cb42fff libcompression.dylib (52.250.2)
<7F4BB18C-1FB4-3825-8D8B-6E6B168774C6> /usr/lib/libcompression.dylib
0x7fff6cdb7000 - 0x7fff6cdcffff libcoretls.dylib (155.220.1)
<4C64BE3E-41E3-3020-8BB7-07E90C0C861C> /usr/lib/libcoretls.dylib
0x7fff6cdce000 - 0x7fff6cdcffff3 libcoretls_cfhelpers.dylib (155.220.1)
<0959B3E9-6643-3589-8BB3-21D52CDF0EF1> /usr/lib/libcoretls_cfhelpers.dylib
0x7fff6cf6d000 - 0x7fff6d065fff libcrypto.35.dylib (22.260.1)
<91C3D71A-4D1D-331D-89CC-67863DF10574> /usr/lib/libcrypto.35.dylib
0x7fff6d167000 - 0x7fff6d267fcb libcrypto.42.dylib (22.260.1)
<BD995388-3083-3E74-AE7D-C4FCA5938E8E> /usr/lib/libcrypto.42.dylib
0x7fff6d268000 - 0x7fff6d273fff libcsfde.dylib (546.50.1)
<7BAF8FCF-33A1-3C7C-8FEB-2020C8ED6063> /usr/lib/libcsfde.dylib
0x7fff6d27b000 - 0x7fff6d2d1fff libcups.2.dylib (462.15)
<9A487009-8412-3D77-8F55-DE4BBCFBE58C> /usr/lib/libcups.2.dylib
0x7fff6d2fa000 - 0x7fff6d34dff3 libcurl.4.dylib (105.200.3) <0C90F232-A2B3-3EA0-9A58-20D26F2833DD> /usr/lib/libcurl.4.dylib
0x7fff6d3e7000 - 0x7fff6d404fff libedit.3.dylib (50.200.2) <8FBA9760-CFF6-3F53-8DBE-AEC526337D7A> /usr/lib/libedit.3.dylib
0x7fff6d405000 - 0x7fff6d405fff libenergytrace.dylib (17.200.1) <80BB567A-FD18-3497-BF97-353F57D98CDD> /usr/lib/libenergytrace.dylib
0x7fff6d406000 - 0x7fff6d41ffff libexpat.1.dylib (16.1.2)
<3E146D20-52C1-3EDA-9374-1243E2890AC6> /usr/lib/libexpat.1.dylib
0x7fff6d437000 - 0x7fff6d43cff7 libgermantok.dylib (17.15.2) <E5F0F794-FF27-3D64-AE52-C78C6A84DD67> /usr/lib/libgermantok.dylib
0x7fff6d43d000 - 0x7fff6d442fff libheimdal-asn1.dylib (520.270.1)
<73F60D6F-76F8-35EF-9C86-9A81225EE4BE> /usr/lib/libheimdal-asn1.dylib
0x7fff6d46d000 - 0x7fff6d55dfff libiconv.2.dylib (51.200.6)
<2047C9B7-3F74-3A95-810D-2ED8F0475A99> /usr/lib/libiconv.2.dylib
0x7fff6d55e000 - 0x7fff6d7bffff libicucore.A.dylib (62141.0.1)
<A0D63918-76E9-3C1B-B255-46F4C1DA7FE8> /usr/lib/libicucore.A.dylib

0x7fff6d80c000 - 0x7fff6d80dfff liblangid.dylib (128.15.1) <22D05C4F-769B-3075-ABCF-44A0EBACE028> /usr/lib/liblangid.dylib
0x7fff6d80e000 - 0x7fff6d826ff3 liblzma.5.dylib (10.200.3)
<E1F4FD60-1CE4-37B9-AD95-29D348AF1AC0> /usr/lib/liblzma.5.dylib
0x7fff6d83e000 - 0x7fff6d8e2ff7 libmecab.1.0.0.dylib (779.24.1)
<A8D0379B-85FA-3B3D-89ED-5CF2C3826AB2> /usr/lib/libmecab.1.0.0.dylib
0x7fff6d8e3000 - 0x7fff6dae7fff libmecabra.dylib (779.24.1)
<D71F71E0-30E2-3DB3-B636-7DE13D51FB4B> /usr/lib/libmecabra.dylib
0x7fff6daec000 - 0x7fff6db1cff libncurses.5.4.dylib (53.200.3) <767B4D3D-CF4C-33DF-B282-0CAC013A7AD0> /usr/lib/libncurses.5.4.dylib
0x7fff6dcbf000 - 0x7fff6e010ff7 libnetwork.dylib (1229.250.15) <72C7E9E3-B2BE-3300-BE1B-64606222022C> /usr/lib/libnetwork.dylib
0x7fff6e0a2000 - 0x7fff6e827fdf libobjc.A.dylib (756.2)
<7C312627-43CB-3234-9324-4DEA92D59F50> /usr/lib/libobjc.A.dylib
0x7fff6e828000 - 0x7fff6e829fff libodfde.dylib (24.50.1)
<46EA989F-415B-3FE6-983D-30CC9BE63DAE> /usr/lib/libodfde.dylib
0x7fff6e839000 - 0x7fff6e83dffb libpam.2.dylib (22.200.1)
<586CF87F-349C-393D-AEEB-FB75F94A5EB7> /usr/lib/libpam.2.dylib
0x7fff6e840000 - 0x7fff6e875fff libpcap.A.dylib (79.250.3)
<97B8CE1B-3EF6-3443-95EF-5659733139C9> /usr/lib/libpcap.A.dylib
0x7fff6e876000 - 0x7fff6e8b1ff7 libpcre.0.dylib (9) <6AA069F5-5D27-3C22-AF08-F599C5A194F4> /usr/lib/libpcre.0.dylib
0x7fff6e98e000 - 0x7fff6e9a6ffb libresolv.9.dylib (65.200.3)
<1FB0982D-84D9-36E0-B3D8-C808891EFF50> /usr/lib/libresolv.9.dylib
0x7fff6e9a8000 - 0x7fff6e9e3ff3 libsandbox.1.dylib (851.270.3)
<75C65BC5-6711-39C3-9392-7174EC934D1E> /usr/lib/libsandbox.1.dylib
0x7fff6e9e4000 - 0x7fff6e9f6ff7 libsasl2.2.dylib (211.1)
<EB100B5A-3178-3AFD-86F4-B2AF94E2534F> /usr/lib/libsasl2.2.dylib
0x7fff6e9f7000 - 0x7fff6e9f8ff7 libspindump.dylib (267.3)
<A584E403-8C95-3841-9C16-E22664A5A63F> /usr/lib/libspindump.dylib
0x7fff6e9f9000 - 0x7fff6ebd6fff libsqlite3.dylib (274.26) <6404BA3B-BCA4-301F-B2FE-8776105A2AA3> /usr/lib/libsqlite3.dylib
0x7fff6ec33000 - 0x7fff6ec66ff3 libssl.35.dylib (22.260.1) <EEBCC1DE-A2C2-30CC-AEA3-1B2193B11DAA> /usr/lib/libssl.35.dylib
0x7fff6ec9a000 - 0x7fff6ecc9fff libssl.44.dylib (22.260.1)
<F1DE913C-717A-3013-9780-DBF79406C58E> /usr/lib/libssl.44.dylib
0x7fff6ecca000 - 0x7fff6ed15ff7 libstdc++.6.dylib (104.1) <BF6E1E5B-5DF2-3069-A926-20ABF03832B3> /usr/lib/libstdc++.6.dylib
0x7fff6ed45000 - 0x7fff6ed75ffb libtidy.A.dylib (16.5) <184A7025-ABDA-3B24-AD95-F75FC6AA6692> /usr/lib/libtidy.A.dylib
0x7fff6edef000 - 0x7fff6edf2ff7 libutil.dylib (51.200.4)
<CE9B18C9-66ED-32D4-9D29-01F8FCB467B0> /usr/lib/libutil.dylib
0x7fff6edf3000 - 0x7fff6ee00fff libxar.1.dylib (417.1) <39CCF46B-C81A-34B1-92A1-58C4E5DA846E> /usr/lib/libxar.1.dylib
0x7fff6ee05000 - 0x7fff6eee8ff3 libxml2.2.dylib (32.16)
<A674480B-2218-3374-89FB-83D1D6B3DA83> /usr/lib/libxml2.2.dylib
0x7fff6eee9000 - 0x7fff6ef11ff3 libxslt.1.dylib (16.7) <EC50E503-

AEEE-3F50-956F-55E4AF4584D9> /usr/lib/libxslt.1.dylib
0x7fff6ef12000 - 0x7fff6ef24ff7 libz.1.dylib (70.200.4) <B048FC1F-058F-3A08-A1FE-81D5308CB3E6> /usr/lib/libz.1.dylib
0x7fff6f708000 - 0x7fff6f70cff3 libcache.dylib (81) <1987D1E1-DB11-3291-B12A-EBD55848E02D> /usr/lib/system/libcache.dylib
0x7fff6f70d000 - 0x7fff6f717ff3 libcommonCrypto.dylib (60118.250.2)
<1765BB6E-6784-3653-B16B-CB839721DC9A> /usr/lib/system/libcommonCrypto.dylib
0x7fff6f718000 - 0x7fff6f71fff7 libcompiler_rt.dylib (63.4) <5212BA7B-B7EA-37B4-AF6E-AC4F507EDFB8> /usr/lib/system/libcompiler_rt.dylib
0x7fff6f720000 - 0x7fff6f729ff7 libcopyfile.dylib (146.250.1)
<98CD00CD-9B91-3B5C-A9DB-842638050FA8> /usr/lib/system/libcopyfile.dylib
0x7fff6f72a000 - 0x7fff6f7aefc3 libcorecrypto.dylib (602.260.2)
<01464D24-570C-3B83-9D18-467769E0FCDD> /usr/lib/system/libcorecrypto.dylib
0x7fff6f835000 - 0x7fff6f86eff7 libdispatch.dylib (1008.270.1) <97273678-E94C-3C8C-89F6-2E2020F4B43B> /usr/lib/system/libdispatch.dylib
0x7fff6f86f000 - 0x7fff6f89bff7 libdyld.dylib (655.1.1) <002418CC-AD11-3D10-865B-015591D24E6C> /usr/lib/system/libdyld.dylib
0x7fff6f89c000 - 0x7fff6f89cffb libkeymgr.dylib (30)
<0D0F9CA2-8D5A-3273-8723-59987B5827F2> /usr/lib/system/libkeymgr.dylib
0x7fff6f89d000 - 0x7fff6f8a9ff3 libkxld.dylib (4903.278.43)
<6A945177-6F4E-3B2E-AF4F-FFC292182F8E> /usr/lib/system/libkxld.dylib
0x7fff6f8aa000 - 0x7fff6f8aaff7 liblaunch.dylib (1336.261.5)
<5CB1CB72-8BDD-38F4-8BE0-2C76098BD915> /usr/lib/system/liblaunch.dylib
0x7fff6f8ab000 - 0x7fff6f8b0fff libmacho.dylib (927.0.3)
<A377D608-77AB-3F6E-90F0-B4F251A5C12F> /usr/lib/system/libmacho.dylib
0x7fff6f8b1000 - 0x7fff6f8b3ff7 libquarantine.dylib (86.270.1)
<3F36A3D6-9606-3D90-B520-809BAEF981C3> /usr/lib/system/libquarantine.dylib
0x7fff6f8b4000 - 0x7fff6f8b5ff7 libremovefile.dylib (45.200.2) <9FBEB2FF-EEBE-31BC-BCFC-C71F8D0E99B6> /usr/lib/system/libremovefile.dylib
0x7fff6f8b6000 - 0x7fff6f8cdf3 libsystem_asl.dylib (356.200.4)
<A62A7249-38B8-33FA-9875-F1852590796C> /usr/lib/system/libsystem_asl.dylib
0x7fff6f8ce000 - 0x7fff6f8ceff7 libsystem_blocks.dylib (73)
<A453E8EE-860D-3CED-B5DC-BE54E9DB4348> /usr/lib/system/
libsystem_blocks.dylib
0x7fff6f8cf000 - 0x7fff6f956fff libsystem_c.dylib (1272.250.1)
<7EDACF78-2FA3-35B8-B051-D70475A35117> /usr/lib/system/libsystem_c.dylib
0x7fff6f957000 - 0x7fff6f95affb libsystem_configuration.dylib (963.270.3)
<2B4A836D-68A4-33E6-8D48-CD4486B03387> /usr/lib/system/
libsystem_configuration.dylib
0x7fff6f95b000 - 0x7fff6f95eff7 libsystem_coreservices.dylib (66)
<719F75A4-74C5-3BA6-A09E-0C5A3E5889D7> /usr/lib/system/
libsystem_coreservices.dylib
0x7fff6f95f000 - 0x7fff6f965fff libsystem_darwin.dylib (1272.250.1)
<EC9B39A5-9592-3577-8997-7DC721D20D8C> /usr/lib/system/libsystem_darwin.dylib
0x7fff6f966000 - 0x7fff6f96cffb libsystem_dnssd.dylib (878.270.3)
<D5352ABD-0311-3327-8E64-93F29EB19BF1> /usr/lib/system/libsystem_dnssd.dylib
0x7fff6f96d000 - 0x7fff6f9b8ffb libsystem_info.dylib (517.200.9)

<D09D5AE0-2FDC-3A6D-93EC-729F931B1457> /usr/lib/system/libsystem_info.dylib
0x7fff6f9b9000 - 0x7fff6f9e1ff7 libsystem_kernel.dylib (4903.278.43) <40D55D88-
D331-37A2-B7C0-3CD99DE39403> /usr/lib/system/libsystem_kernel.dylib
0x7fff6f9e2000 - 0x7fff6fa2dff7 libsystem_m.dylib (3158.200.7)
<F19B6DB7-014F-3820-831F-389CCDA06EF6> /usr/lib/system/libsystem_m.dylib
0x7fff6fa2e000 - 0x7fff6fa58fff libsystem_malloc.dylib (166.270.1)
<011F3AD0-8E6A-3A89-AE64-6E5F6840F30A> /usr/lib/system/libsystem_malloc.dylib
0x7fff6fa59000 - 0x7fff6fa63ff7 libsystem_networkextension.dylib (767.250.2)
<FF06F13A-AEFE-3A27-A073-910EF78AEA36> /usr/lib/system/
libsystem_networkextension.dylib
0x7fff6fa64000 - 0x7fff6fa6bfff libsystem_notify.dylib (172.200.21) <145B5CFC-
CF73-33CE-BD3D-E8DDE268FFDE> /usr/lib/system/libsystem_notify.dylib
0x7fff6fa6c000 - 0x7fff6fa75fef libsystem_platform.dylib (177.270.1) <9D1FE5E4-
EB7D-3B3F-A8D1-A96D9CF1348C> /usr/lib/system/libsystem_platform.dylib
0x7fff6fa76000 - 0x7fff6fa80ff7 libsystem_pthread.dylib (330.250.2)
<2D5C08FF-484F-3D59-9132-CE1DCB3F76D7> /usr/lib/system/
libsystem_pthread.dylib
0x7fff6fa81000 - 0x7fff6fa84ff7 libsystem_sandbox.dylib (851.270.3)
<0F89B133-8D87-3B2E-BA5A-C7138738C581> /usr/lib/system/
libsystem_sandbox.dylib
0x7fff6fa85000 - 0x7fff6fa87ff3 libsystem_secinit.dylib (30.260.2)
<EF1EA47B-7B22-35E8-BD9B-F7003DCB96AE> /usr/lib/system/libsystem_secinit.dylib
0x7fff6fa88000 - 0x7fff6fa8fff3 libsystem_symptoms.dylib (820.267.1)
<03F1C2DD-0F5A-3D9D-88F6-B26C0F94EB52> /usr/lib/system/
libsystem_symptoms.dylib
0x7fff6fa90000 - 0x7fff6faa5ff7 libsystem_trace.dylib (906.260.2)
<12C1B9A2-39D6-3428-AE60-2303BD201A57> /usr/lib/system/libsystem_trace.dylib
0x7fff6faa7000 - 0x7fff6faacffb libunwind.dylib (35.4) <24A97A67-F017-3CFC-
B0D0-6BD0224B1336> /usr/lib/system/libunwind.dylib
0x7fff6faad000 - 0x7fff6fadcff libxpc.dylib (1336.261.5) <A1EABC2B-A88E-365C-
AEA5-1543FD75BAC7> /usr/lib/system/libxpc.dylib

External Modification Summary:

Calls made by other processes targeting this process:

task_for_pid: 38
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: 200450
thread_create: 0
thread_set_state: 0

VM Region Summary:

ReadOnly portion of Libraries: Total=775.9M resident=0K(0%)
 swapped_out_or_unallocated=775.9M(100%)
 Writable regions: Total=11.9G written=0K(0%) resident=0K(0%) swapped_out=0K(0%)
 unallocated=11.9G(100%)

VIRTUAL REGION					
REGION TYPE	SIZE	COUNT	(non-coalesced)		
=====	=====	=====			
Accelerate framework	896K	7			
Activity Tracing	256K	1			
CG backing stores	440K	2			
CG image	1900K	134			
CG raster data	42.3M	81			
CoreAnimation	75.0M	589			
CoreData Object IDs	4100K	2			
CoreGraphics	8K	1			
CoreImage	660K	142			
CoreUI image data	3932K	72			
CoreUI image file	748K	21			
Foundation	7500K	9			
IOKit	7940K	1			
Image IO	712K	3			
Kernel Alloc Once	8K	1			
MALLOC	11.4G	1114			
MALLOC guard page	48K	8			
MALLOC_MEDIUM (reserved)	128.0M	6	6		reserved VM address space
(unallocated)					
MALLOC_NANO (reserved)	128.0M	1	1		reserved VM address space
(unallocated)					
Memory Tag 242	12K	1			
Memory Tag 251	12K	1			
OpenGL GLSL	256K	3			
SQLite page cache	33.9M	32			
STACK GUARD	56.2M	62			
Stack	41.5M	63			
VM_ALLOCATE	70.5M	864			
__DATA	119.5M	580			
__FONT_DATA	4K	1			
__GLSLBUILTINS	5176K	1			
__LINKEDIT	265.7M	139			
__TEXT	510.3M	555			
__UNICODE	564K	1			
mapped file	299.7M	163			
shared memory	38.7M	26			
=====	=====	=====			
TOTAL	13.2G	4687			
TOTAL, minus reserved VM space	13.0G	4687			

Model: iMac14,2, BootROM 146.0.0.0.0, 4 processors, Intel Core i7, 3.5 GHz, 32 GB, SMC 2.15f7

Graphics: kHW_NVidiaGeForceGTX780MItem, NVIDIA GeForce GTX 780M, spdisplays_pcie_device, 4 GB

Memory Module: BANK 0/DIMM0, 8 GB, DDR3, 1600 MHz, 0x02FE, 0x45424A3831554738454655352D474E4C2D46

Memory Module: BANK 1/DIMM0, 8 GB, DDR3, 1600 MHz, 0x02FE, 0x45424A3831554738454655352D474E4C2D46

Memory Module: BANK 0/DIMM1, 8 GB, DDR3, 1600 MHz, 0x859B, 0x435438473353313630424D2E4D3136465000

Memory Module: BANK 1/DIMM1, 8 GB, DDR3, 1600 MHz, 0x859B, 0x435438473353313630424D2E4D3136465000

AirPort: spairport_wireless_card_type_airport_extreme (0x14E4, 0x111), Broadcom BCM43xx 1.0 (7.77.61.3 AirPortDriverBrcmNIC-1305.10)

Bluetooth: Version 6.0.14d11, 3 services, 27 devices, 1 incoming serial ports

Network Service: Ethernet, Ethernet, en0

Serial ATA Device: APPLE SSD SM0256F, 251 GB

USB Device: USB 3.0 Bus

USB Device: Expansion Desk

USB Device: BRCM20702 Hub

USB Device: Bluetooth USB Host Controller

USB Device: FaceTime HD Camera (Built-in)

USB Device: USB Optical Mouse

Thunderbolt Bus: iMac, Apple Inc., 23.10