

Process: Terragen 4 [25618]  
Path: /private/var/folders/\*/Terragen 4.app/Contents/MacOS/Terragen 4  
Identifier: uk.co.planetside.Terragen-4  
Version: v4.4.44.0 (1.0)  
Code Type: X86-64 (Native)  
Parent Process: ??? [1]  
Responsible: Terragen 4 [25618]  
User ID: 501

Date/Time: 2020-07-03 07:22:46.325 -0500  
OS Version: Mac OS X 10.15.5 (19F101)  
Report Version: 12  
Anonymous UUID: F1C9FDF4-E9B3-42B6-92A1-10C1B71B184E

Time Awake Since Boot: 160000 seconds

System Integrity Protection: enabled

Notes: Translocated Process

Crashed Thread: 14

Exception Type: EXC\_BAD\_ACCESS (SIGSEGV)  
Exception Codes: KERN\_INVALID\_ADDRESS at 0x0000000000000098  
Exception Note: EXC\_CORPSE\_NOTIFY

Termination Signal: Segmentation fault: 11  
Termination Reason: Namespace SIGNAL, Code 0xb  
Terminating Process: exc handler [25618]

VM Regions Near 0x98:

-->  
\_\_TEXT 000000010b265000-000000010b266000 [ 4K] r-x/rwx  
SM=COW /var/folders/\*/Terragen 4.app/Contents/MacOS/Terragen 4

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

0 libsystem\_malloc.dylib 0x00007fff6bcb1d30 nanov2\_pointer\_size + 378  
1 libsystem\_malloc.dylib 0x00007fff6bcb1b98 nanov2\_size + 20  
2 libsystem\_malloc.dylib 0x00007fff6bcb1a1c free + 107  
3 uk.co.planetside.trlib 0x000000010d471075 trNoiseInst3::~trNoiseInst3() +  
37  
4 uk.co.planetside.tgstd 0x0000000112745dcd 0x1126cd000 + 495053  
5 uk.co.planetside.tgstd 0x000000011273ef81  
PowerFractalShaderV3Base::OnParamChanged(int, trBase\*) + 2097  
6 uk.co.planetside.trlib 0x000000010d43bd88  
trBase::CallParamChanged(int, trBase\*, bool) + 200

7 uk.co.planetside.trlib 0x000000010d440116 trBase::SetParam(int, trFCol  
const&, trBase\*, bool) + 406  
8 uk.co.planetside.tglib 0x000000010ccdd612 0x10cc58000 + 546322  
9 com.jomeder.UCMessengerLib 0x000000010cc4231b  
UnderC::details::UCMessageRoutingImp::DispatchMessage(UnderC::UCMessenger\*,  
UnderC::UCMessage&) + 193  
10 com.jomeder.UCMessengerLib 0x000000010cc3e895  
UnderC::UCMessenger::SendAMessage(UnderC::UCMessage&) + 133  
11 uk.co.planetside.tglib 0x000000010d110b70  
UnderC::UCEditText::ValueChanged() + 48  
12 com.apple.CoreFoundation 0x00007fff31c8e89f  
\_\_CFNOTIFICATIONCENTER\_IS\_CALLING\_OUT\_TO\_AN\_OBSERVER\_\_ + 12  
13 com.apple.CoreFoundation 0x00007fff31c8e833  
\_\_CFXRegistrationPost1\_block\_invoke + 63  
14 com.apple.CoreFoundation 0x00007fff31c8e7a8 \_CFXRegistrationPost1 +  
372  
15 com.apple.CoreFoundation 0x00007fff31c8e414  
\_\_CFXNotificationPost\_block\_invoke + 80  
16 com.apple.CoreFoundation 0x00007fff31c5e58d -  
[\_CFXNotificationRegistrar find:object:observer:enumerator:] + 1554  
17 com.apple.CoreFoundation 0x00007fff31c5da39 \_CFXNotificationPost +  
1351  
18 com.apple.Foundation 0x00007fff342d8786 -[NSNotificationCenter  
postNotificationName:object:userInfo:] + 59  
19 com.apple.CoreFoundation 0x00007fff31c8e89f  
\_\_CFNOTIFICATIONCENTER\_IS\_CALLING\_OUT\_TO\_AN\_OBSERVER\_\_ + 12  
20 com.apple.CoreFoundation 0x00007fff31c8e833  
\_\_CFXRegistrationPost1\_block\_invoke + 63  
21 com.apple.CoreFoundation 0x00007fff31c8e7a8 \_CFXRegistrationPost1 +  
372  
22 com.apple.CoreFoundation 0x00007fff31c8e414  
\_\_CFXNotificationPost\_block\_invoke + 80  
23 com.apple.CoreFoundation 0x00007fff31c5e58d -  
[\_CFXNotificationRegistrar find:object:observer:enumerator:] + 1554  
24 com.apple.CoreFoundation 0x00007fff31c5da39 \_CFXNotificationPost +  
1351  
25 com.apple.Foundation 0x00007fff342d8786 -[NSNotificationCenter  
postNotificationName:object:userInfo:] + 59  
26 com.apple.AppKit 0x00007fff2f15ebda -[NSTextView(NSSharing)  
didChangeText] + 375  
27 com.apple.AppKit 0x00007fff2f15b862 -[NSTextView  
\_insertText:replacementRange:] + 2638  
28 com.apple.AppKit 0x00007fff2f15a93a -  
[NSTextInputContext(NSInputContext\_WithCompletion)  
insertText:replacementRange:completionHandler:] + 184  
29 com.apple.AppKit 0x00007fff2f1619e2 \_\_55-[NSTextInputContext  
handleTSMEvent:completionHandler:]\_block\_invoke\_2.326 + 102

30 com.apple.AppKit 0x00007fff2f15a87b -[NSTextInputContext  
do\_HandleTSMEvent\_insertFixLenTextLoop:whileCondition:dispatchWorkEach:afterEac  
hInsertText:continuation:] + 105

31 com.apple.AppKit 0x00007fff2f15a742 -[NSTextInputContext  
tryHandleTSMEvent\_insertFixLenText\_withContext:dispatchCondition:setupForDispatch  
:nestedWorkaroundCondition:nestedWorkaroundDispatchWork:loopCondition:dispatch  
WorkEach:afterEachInsertText:continuation:] + 310

32 com.apple.AppKit 0x00007fff2f8b7144 \_\_55-[NSTextInputContext  
handleTSMEvent:completionHandler:]\_block\_invoke.280 + 3027

33 com.apple.AppKit 0x00007fff2f15a37c \_\_55-[NSTextInputContext  
handleTSMEvent:completionHandler:]\_block\_invoke\_2 + 74

34 com.apple.AppKit 0x00007fff2f15a2ff -[NSTextInputContext  
tryHandleTSMEvent\_HasMarkedText\_withDispatchCondition:dispatchWork:continuation  
:] + 87

35 com.apple.AppKit 0x00007fff2f159907 -[NSTextInputContext  
handleTSMEvent:completionHandler:] + 1794

36 com.apple.AppKit 0x00007fff2f159195 \_NSTSMEEventHandler + 299

37 com.apple.HIToolbox 0x00007fff3089e8ff  
DispatchEventToHandlers(EventTargetRec\*, OpaqueEventRef\*, HandlerCallRec\*) +  
1254

38 com.apple.HIToolbox 0x00007fff3089dd8d  
SendEventToEventTargetInternal(OpaqueEventRef\*, OpaqueEventTargetRef\*,  
HandlerCallRec\*) + 329

39 com.apple.HIToolbox 0x00007fff3089dc3d  
SendEventToEventTargetWithOptions + 45

40 com.apple.HIToolbox 0x00007fff308fa92b  
SendTSMEvent\_WithCompletionHandler + 381

41 com.apple.HIToolbox 0x00007fff308fadd5  
\_\_SendUnicodeTextAEToUnicodeDoc\_WithCompletionHandler\_block\_invoke + 387

42 com.apple.HIToolbox 0x00007fff308fac2d  
\_\_SendFilterTextEvent\_WithCompletionHandler\_block\_invoke + 182

43 com.apple.HIToolbox 0x00007fff308fa97a  
SendTSMEvent\_WithCompletionHandler + 460

44 com.apple.HIToolbox 0x00007fff308fa781  
SendFilterTextEvent\_WithCompletionHandler + 225

45 com.apple.HIToolbox 0x00007fff308fa44b  
SendUnicodeTextAEToUnicodeDoc\_WithCompletionHandler + 277

46 com.apple.HIToolbox 0x00007fff308fa1f8  
\_\_utDeliverTSMEvent\_WithCompletionHandler\_block\_invoke\_2 + 281

47 com.apple.HIToolbox 0x00007fff308fa058  
\_\_utDeliverTSMEvent\_WithCompletionHandler\_block\_invoke + 355

48 com.apple.HIToolbox 0x00007fff308f9ec6  
TSMKeyEvent\_WithCompletionHandler + 644

49 com.apple.HIToolbox 0x00007fff308f9c27  
\_\_TSMProcessRawKeyEventWithOptionsAndCompletionHandler\_block\_invoke\_4 +  
250

50 com.apple.HIToolbox 0x00007fff308f9aa6

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__TSMProcessRawKeyEventWithOptionsAndCompletionHandler_block_invoke_3 +
257
51 com.apple.HIToolbox      0x00007fff308f9872
__TSMProcessRawKeyEventWithOptionsAndCompletionHandler_block_invoke_2 +
282
52 com.apple.HIToolbox      0x00007fff308f9625
__TSMProcessRawKeyEventWithOptionsAndCompletionHandler_block_invoke + 274
53 com.apple.HIToolbox      0x00007fff308e815d
TSMProcessRawKeyEventWithOptionsAndCompletionHandler + 3403
54 com.apple.AppKit          0x00007fff2f8bb1bd __84-[NSTextInputContext
_handleEvent:options:allowingSyntheticEvent:completionHandler:]_block_invoke_3.804
+ 110
55 com.apple.AppKit          0x00007fff2f8baf13 __204-[NSTextInputContext
tryTSMProcessRawKeyEvent_orSubstitution:dispatchCondition:setupForDispatch:furtherCondition:doubleSpaceSubstitutionCondition:doubleSpaceSubstitutionWork:dispatchTSMWork:continuation:]_block_invoke.763 + 120
56 com.apple.AppKit          0x00007fff2f157c3f -[NSTextInputContext
tryTSMProcessRawKeyEvent_orSubstitution:dispatchCondition:setupForDispatch:furtherCondition:doubleSpaceSubstitutionCondition:doubleSpaceSubstitutionWork:dispatchTSMWork:continuation:] + 245
57 com.apple.AppKit          0x00007fff2f157638 -[NSTextInputContext
_handleEvent:options:allowingSyntheticEvent:completionHandler:] + 1261
58 com.apple.AppKit          0x00007fff2f15710e -[NSTextInputContext
_handleEvent:allowingSyntheticEvent:] + 105
59 com.apple.AppKit          0x00007fff2f157003 -[NSView interpretKeyEvents:] +
209
60 com.apple.AppKit          0x00007fff2f156e51 -[NSTextView keyDown:] + 699
61 com.apple.AppKit          0x00007fff2f0b454d -[NSWindow(NSEventRouting)
_reallySendEvent:isDelayedEvent:] + 6512
62 com.apple.AppKit          0x00007fff2f0b29b9 -[NSWindow(NSEventRouting)
sendEvent:] + 349
63 com.apple.AppKit          0x00007fff2f0b16ee -[NSApplication(NSEvent)
sendEvent:] + 2826
64 com.apple.AppKit          0x00007fff2eefddaf -[NSApplication run] + 707
65 uk.co.planetside.tglib     0x000000010d125bef
UnderC::UCEEventManager::Run() + 111
66 uk.co.planetside.tglib     0x000000010d17386c UCMain(int, char const**) +
380
67 uk.co.planetside.Terragen-4 0x000000010b265ead 0x10b265000 + 3757
68 libdyld.dylib              0x00007fff6bafacc9 start + 1

```

Thread 1:: com.apple.NSEventThread

```

0 libsystem_kernel.dylib     0x00007fff6bc3bdfa mach_msg_trap + 10
1 libsystem_kernel.dylib     0x00007fff6bc3c170 mach_msg + 60
2 com.apple.CoreFoundation   0x00007fff31c98f85
__CFRunLoopServiceMachPort + 247
3 com.apple.CoreFoundation   0x00007fff31c97a52 __CFRunLoopRun +

```

1319

4	com.apple.CoreFoundation	0x00007fff31c96ece CFRunLoopRunSpecific +
462		
5	com.apple.AppKit	0x00007fff2f0af144 _NSEventThread + 132
6	libsystem_pthread.dylib	0x00007fff6bcff109 _pthread_start + 148
7	libsystem_pthread.dylib	0x00007fff6bcfab8b thread_start + 15

Thread 2:

0	libsystem_kernel.dylib	0x00007fff6bc3e882 __psynch_cvwait + 10
1	libsystem_pthread.dylib	0x00007fff6bcff425 _pthread_cond_wait + 698
2	libembree.2.dylib	0x000000010eaf6340
	embree::TaskSchedulerTBB::ThreadPool::thread_loop(unsigned long) + 80	
3	libembree.2.dylib	0x000000010f189980
	embree::threadStartup(embree::ThreadStartupData*) + 48	
4	libsystem_pthread.dylib	0x00007fff6bcff109 _pthread_start + 148
5	libsystem_pthread.dylib	0x00007fff6bcfab8b thread_start + 15

Thread 3:

0	libsystem_kernel.dylib	0x00007fff6bc3e882 __psynch_cvwait + 10
1	libsystem_pthread.dylib	0x00007fff6bcff425 _pthread_cond_wait + 698
2	libembree.2.dylib	0x000000010eaf6340
	embree::TaskSchedulerTBB::ThreadPool::thread_loop(unsigned long) + 80	
3	libembree.2.dylib	0x000000010f189980
	embree::threadStartup(embree::ThreadStartupData*) + 48	
4	libsystem_pthread.dylib	0x00007fff6bcff109 _pthread_start + 148
5	libsystem_pthread.dylib	0x00007fff6bcfab8b thread_start + 15

Thread 4:

0	libsystem_kernel.dylib	0x00007fff6bc3e882 __psynch_cvwait + 10
1	libsystem_pthread.dylib	0x00007fff6bcff425 _pthread_cond_wait + 698
2	libembree.2.dylib	0x000000010eaf6340
	embree::TaskSchedulerTBB::ThreadPool::thread_loop(unsigned long) + 80	
3	libembree.2.dylib	0x000000010f189980
	embree::threadStartup(embree::ThreadStartupData*) + 48	
4	libsystem_pthread.dylib	0x00007fff6bcff109 _pthread_start + 148
5	libsystem_pthread.dylib	0x00007fff6bcfab8b thread_start + 15

Thread 5:

0	libsystem_kernel.dylib	0x00007fff6bc3e882 __psynch_cvwait + 10
1	libsystem_pthread.dylib	0x00007fff6bcff425 _pthread_cond_wait + 698
2	libembree.2.dylib	0x000000010eaf6340
	embree::TaskSchedulerTBB::ThreadPool::thread_loop(unsigned long) + 80	
3	libembree.2.dylib	0x000000010f189980
	embree::threadStartup(embree::ThreadStartupData*) + 48	
4	libsystem_pthread.dylib	0x00007fff6bcff109 _pthread_start + 148
5	libsystem_pthread.dylib	0x00007fff6bcfab8b thread_start + 15

Thread 6:

0 libsystem\_kernel.dylib 0x00007fff6bc3e882 \_\_psynch\_cvwait + 10  
1 libsystem\_pthread.dylib 0x00007fff6bcff425 \_pthread\_cond\_wait + 698  
2 libembree.2.dylib 0x000000010eaf6340  
embree::TaskSchedulerTBB::ThreadPool::thread\_loop(unsigned long) + 80  
3 libembree.2.dylib 0x000000010f189980  
embree::threadStartup(embree::ThreadStartupData\*) + 48  
4 libsystem\_pthread.dylib 0x00007fff6bcff109 \_pthread\_start + 148  
5 libsystem\_pthread.dylib 0x00007fff6bcfab8b thread\_start + 15

Thread 7:

0 libsystem\_pthread.dylib 0x00007fff6bcfab68 start\_wqthread + 0

Thread 8:

0 libsystem\_pthread.dylib 0x00007fff6bcfab68 start\_wqthread + 0

Thread 9:

0 libsystem\_pthread.dylib 0x00007fff6bcfab68 start\_wqthread + 0

Thread 10:

0 libsystem\_pthread.dylib 0x00007fff6bcfab68 start\_wqthread + 0

Thread 11:

0 libsystem\_pthread.dylib 0x00007fff6bcfab68 start\_wqthread + 0

Thread 12:

0 uk.co.planetside.trlib 0x000000010d494324  
trRenderTri::IntersectRay(trRay const&, trIntersection&) + 20  
1 uk.co.planetside.trlib 0x000000010d4947e5  
trRenderTri::FinalSubdivIntersect(trRay&, int, trIntersection&) + 69  
2 uk.co.planetside.trlib 0x000000010d452e73 0x10d433000 + 130675  
3 uk.co.planetside.trlib 0x000000010d451d31 0x10d433000 + 126257  
4 uk.co.planetside.trlib 0x000000010d4520a2 0x10d433000 + 127138  
5 uk.co.planetside.trlib 0x000000010d52f29f  
trRenderState::TraceRayAttempt(int, trVector const&, trVector const&, unsigned char, unsigned char, unsigned char, unsigned char, trIntersection&, unsigned char, unsigned char, trBsurfMedium const\*, trRenderRayElements\*, trRenderTri\*) + 7567  
6 uk.co.planetside.trlib 0x000000010d52d019 trRenderState::TraceRay(int, trVector const&, trVector const&, unsigned char, unsigned char, unsigned char, unsigned char, trIntersection&, unsigned char, unsigned char, trBsurfMedium const\*, trRenderRayElements\*, trRenderTri\*) + 201  
7 uk.co.planetside.trlib 0x000000010d52cf3a  
trRenderState::TraceOpacity(trVector const&, trVector const&, unsigned char, unsigned char, unsigned char, unsigned char, trIntersection&, unsigned char, unsigned char, trBsurfMedium const\*) + 74  
8 uk.co.planetside.trlib 0x000000010d4db9cd  
trLightState::TraceAreaOpacityFromRaySegment(trVector const&, trVector const&, bool,

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bool, bool, bool, int) + 2109
9 uk.co.planetside.trlib 0x000000010d4dcce0
trLightState::DEV_IntensityWithExplicitQualityControl(trVector const&, trVector const&,
trVector const&, trVector const*, bool, bool, trFCol const&, double const&) + 4608
10 uk.co.planetside.trlib 0x000000010d4dbac7 trLightState::Intensity(trVector
const&, trVector const&, trVector const*, double const&) + 103
11 uk.co.planetside.trlib 0x000000010d48b618
trRenderState::DirectDiffuseIllumination_Imp(int, trFCol const&) + 1640
12 uk.co.planetside.trlib 0x000000010d48da17
trRenderState::DirectDiffuseIllumination(trFCol const&) + 55
13 uk.co.planetside.tgstd 0x0000000112744f1c
PowerFractalShaderV3Base::Shade(trRenderState&) + 11756
14 uk.co.planetside.trlib 0x000000010d496a4f
trMaterial::SurfaceShade(trRenderState&, trFCol*) const + 191
15 uk.co.planetside.trlib 0x000000010d5334b4
trRenderState::TraceRayAttempt(int, trVector const&, trVector const&, unsigned char,
unsigned char, unsigned char, unsigned char, trIntersection&, unsigned char, unsigned
char, trBsdfMedium const*, trRenderRayElements*, trRenderTri*) + 24484
16 uk.co.planetside.trlib 0x000000010d52d280
trRenderState::TraceColor(trVector const&, trVector const&, unsigned char, unsigned
char, unsigned char, unsigned char, trIntersection&, unsigned char, unsigned char,
trBsdfMedium const*, trRenderRayElements*) + 208
17 uk.co.planetside.tgstd 0x000000011274ea73
ReflectiveShader::Shade(trRenderState&) + 15571
18 uk.co.planetside.tgstd 0x0000000112785796
WaterShader::Shade(trRenderState&) + 966
19 uk.co.planetside.trlib 0x000000010d496a4f
trMaterial::SurfaceShade(trRenderState&, trFCol*) const + 191
20 uk.co.planetside.trlib 0x000000010d5334b4
trRenderState::TraceRayAttempt(int, trVector const&, trVector const&, unsigned char,
unsigned char, unsigned char, unsigned char, trIntersection&, unsigned char, unsigned
char, trBsdfMedium const*, trRenderRayElements*, trRenderTri*) + 24484
21 uk.co.planetside.trlib 0x000000010d52d019 trRenderState::TraceRay(int,
trVector const&, trVector const&, unsigned char, unsigned char, unsigned char,
unsigned char, trIntersection&, unsigned char, unsigned char, trBsdfMedium const*,
trRenderRayElements*, trRenderTri*) + 201
22 uk.co.planetside.trlib 0x000000010d4f4d2c
trBucketRender::TraceSubPixel(trRenderState&, int, int) + 3468
23 uk.co.planetside.trlib 0x000000010d525b4a
trBucketRender::RenderSubregionFromStack_RobustAdaptive(trRenderState&) + 4938
24 uk.co.planetside.trlib 0x000000010d4f8627 trBucketRender::RenderMore()
+ 1143
25 uk.co.planetside.trlib 0x000000010d4f8a00 trBucketRender::RunThread() +
128
26 uk.co.planetside.trlib 0x000000010d723be0 0x10d433000 + 3083232
27 libsystem_pthread.dylib 0x00007fff6bcff109 _pthread_start + 148
28 libsystem_pthread.dylib 0x00007fff6bcfab8b thread_start + 15

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Thread 13:

```
0 uk.co.planetside.trlib      0x000000010d4526a1 0x10d433000 + 128673
1 uk.co.planetside.trlib      0x000000010d451d31 0x10d433000 + 126257
2 uk.co.planetside.trlib      0x000000010d4520a2 0x10d433000 + 127138
3 uk.co.planetside.trlib      0x000000010d52f29f
trRenderState::TraceRayAttempt(int, trVector const&, trVector const&, unsigned char,
unsigned char, unsigned char, unsigned char, trIntersection&, unsigned char, unsigned
char, trBsurfMedium const*, trRenderRayElements*, trRenderTri*) + 7567
4 uk.co.planetside.trlib      0x000000010d52d019 trRenderState::TraceRay(int,
trVector const&, trVector const&, unsigned char, unsigned char, unsigned char,
unsigned char, trIntersection&, unsigned char, unsigned char, trBsurfMedium const*,
trRenderRayElements*, trRenderTri*) + 201
5 uk.co.planetside.trlib      0x000000010d52cf3a
trRenderState::TraceOpacity(trVector const&, trVector const&, unsigned char, unsigned
char, unsigned char, unsigned char, trIntersection&, unsigned char, unsigned char,
trBsurfMedium const*) + 74
6 uk.co.planetside.trlib      0x000000010d4db9cd
trLightState::TraceAreaOpacityFromRaySegment(trVector const&, trVector const&, bool,
bool, bool, bool, int) + 2109
7 uk.co.planetside.trlib      0x000000010d4dcce0
trLightState::DEV_IntensityWithExplicitQualityControl(trVector const&, trVector const&,
trVector const&, trVector const*, bool, bool, trFCol const&, double const&) + 4608
8 uk.co.planetside.trlib      0x000000010d4dbac7 trLightState::Intensity(trVector
const&, trVector const&, trVector const*, double const&) + 103
9 uk.co.planetside.trlib      0x000000010d48b618
trRenderState::DirectDiffuseIllumination_Imp(int, trFCol const&) + 1640
10 uk.co.planetside.trlib     0x000000010d48da17
trRenderState::DirectDiffuseIllumination(trFCol const&) + 55
11 uk.co.planetside.tgstd     0x0000000112744f1c
PowerFractalShaderV3Base::Shade(trRenderState&) + 11756
12 uk.co.planetside.trlib     0x000000010d496a4f
trMaterial::SurfaceShade(trRenderState&, trFCol*) const + 191
13 uk.co.planetside.trlib     0x000000010d5334b4
trRenderState::TraceRayAttempt(int, trVector const&, trVector const&, unsigned char,
unsigned char, unsigned char, unsigned char, trIntersection&, unsigned char, unsigned
char, trBsurfMedium const*, trRenderRayElements*, trRenderTri*) + 24484
14 uk.co.planetside.trlib     0x000000010d52d280
trRenderState::TraceColor(trVector const&, trVector const&, unsigned char, unsigned
char, unsigned char, unsigned char, trIntersection&, unsigned char, unsigned char,
trBsurfMedium const*, trRenderRayElements*) + 208
15 uk.co.planetside.tgstd     0x000000011274ea73
ReflectiveShader::Shade(trRenderState&) + 15571
16 uk.co.planetside.tgstd     0x0000000112785796
WaterShader::Shade(trRenderState&) + 966
17 uk.co.planetside.trlib     0x000000010d496a4f
trMaterial::SurfaceShade(trRenderState&, trFCol*) const + 191
```

18 uk.co.planetside.trlib 0x000000010d5334b4  
trRenderState::TraceRayAttempt(int, trVector const&, trVector const&, unsigned char,  
unsigned char, unsigned char, unsigned char, trIntersection&, unsigned char, unsigned  
char, trBsdFMedium const\*, trRenderRayElements\*, trRenderTri\*) + 24484  
19 uk.co.planetside.trlib 0x000000010d52d019 trRenderState::TraceRay(int,  
trVector const&, trVector const&, unsigned char, unsigned char, unsigned char,  
unsigned char, trIntersection&, unsigned char, unsigned char, trBsdFMedium const\*,  
trRenderRayElements\*, trRenderTri\*) + 201  
20 uk.co.planetside.trlib 0x000000010d4f4d2c  
trBucketRender::TraceSubPixel(trRenderState&, int, int) + 3468  
21 uk.co.planetside.trlib 0x000000010d525b4a  
trBucketRender::RenderSubregionFromStack\_RobustAdaptive(trRenderState&) + 4938  
22 uk.co.planetside.trlib 0x000000010d4f8627 trBucketRender::RenderMore()  
+ 1143  
23 uk.co.planetside.trlib 0x000000010d4f8a00 trBucketRender::RunThread() +  
128  
24 uk.co.planetside.trlib 0x000000010d723be0 0x10d433000 + 3083232  
25 libsystem\_pthread.dylib 0x00007fff6bcff109 \_pthread\_start + 148  
26 libsystem\_pthread.dylib 0x00007fff6bcfab8b thread\_start + 15

Thread 14 Crashed:

0 uk.co.planetside.tgstd 0x0000000112746945 0x1126cd000 + 497989  
1 uk.co.planetside.tgstd 0x0000000112743001  
PowerFractalShaderV3Base::Shade(trRenderState&) + 3793  
2 uk.co.planetside.trlib 0x000000010d496a4f  
trMaterial::SurfaceShade(trRenderState&, trFCol\*) const + 191  
3 uk.co.planetside.trlib 0x000000010d5334b4  
trRenderState::TraceRayAttempt(int, trVector const&, trVector const&, unsigned char,  
unsigned char, unsigned char, unsigned char, trIntersection&, unsigned char, unsigned  
char, trBsdFMedium const\*, trRenderRayElements\*, trRenderTri\*) + 24484  
4 uk.co.planetside.trlib 0x000000010d52d280  
trRenderState::TraceColor(trVector const&, trVector const&, unsigned char, unsigned  
char, unsigned char, unsigned char, trIntersection&, unsigned char, unsigned char,  
trBsdFMedium const\*, trRenderRayElements\*) + 208  
5 uk.co.planetside.tgstd 0x000000011274edd7  
ReflectiveShader::TraceInternal(trRenderState&, trVector const&, trVector const&,  
trIntersection&) + 247  
6 uk.co.planetside.tgstd 0x000000011274eb51  
ReflectiveShader::Shade(trRenderState&) + 15793  
7 uk.co.planetside.tgstd 0x0000000112785796  
WaterShader::Shade(trRenderState&) + 966  
8 uk.co.planetside.trlib 0x000000010d496a4f  
trMaterial::SurfaceShade(trRenderState&, trFCol\*) const + 191  
9 uk.co.planetside.trlib 0x000000010d5334b4  
trRenderState::TraceRayAttempt(int, trVector const&, trVector const&, unsigned char,  
unsigned char, unsigned char, unsigned char, trIntersection&, unsigned char, unsigned  
char, trBsdFMedium const\*, trRenderRayElements\*, trRenderTri\*) + 24484

10 uk.co.planetside.trlib 0x000000010d52d019 trRenderState::TraceRay(int, trVector const&, trVector const&, unsigned char, unsigned char, unsigned char, unsigned char, trIntersection&, unsigned char, unsigned char, trBsdfMedium const\*, trRenderRayElements\*, trRenderTri\*) + 201  
11 uk.co.planetside.trlib 0x000000010d4f4d2c trBucketRender::TraceSubPixel(trRenderState&, int, int) + 3468  
12 uk.co.planetside.trlib 0x000000010d525b76 trBucketRender::RenderSubregionFromStack\_RobustAdaptive(trRenderState&) + 4982  
13 uk.co.planetside.trlib 0x000000010d4f8627 trBucketRender::RenderMore() + 1143  
14 uk.co.planetside.trlib 0x000000010d4f8a00 trBucketRender::RunThread() + 128  
15 uk.co.planetside.trlib 0x000000010d723be0 0x10d433000 + 3083232  
16 libsystem\_pthread.dylib 0x00007fff6bcff109 \_pthread\_start + 148  
17 libsystem\_pthread.dylib 0x00007fff6bcfab8b thread\_start + 15

Thread 15:

0 uk.co.planetside.trlib 0x000000010d5556ee trImageSSGI::Render(int, int, int, int) + 3102  
1 uk.co.planetside.trlib 0x000000010d5501bc trBucketRender::ProcessSubpixelScreenspaceGI() + 3164  
2 uk.co.planetside.trlib 0x000000010d4efdf3 trBucketRender::FinishBucket() + 51  
3 uk.co.planetside.trlib 0x000000010d4f8a96 trBucketRender::RunThread() + 278  
4 uk.co.planetside.trlib 0x000000010d723be0 0x10d433000 + 3083232  
5 libsystem\_pthread.dylib 0x00007fff6bcff109 \_pthread\_start + 148  
6 libsystem\_pthread.dylib 0x00007fff6bcfab8b thread\_start + 15

Thread 14 crashed with X86 Thread State (64-bit):

rax: 0xef9697ffda0300d0 rbx: 0x00000000d8e7201 rcx: 0x000000010d8e79c0 rdx: 0x0000700000ba9688  
rdi: 0x0000000000000000 rsi: 0x0000700000ba9630 rbp: 0x0000700000ba93e0  
rsp: 0x0000700000ba93b0  
r8: 0x0000000000000080 r9: 0x0000000000000088 r10: 0x0000000000000080  
r11: 0x0000000000000123  
r12: 0x00007f8925d9c600 r13: 0x00007f898c02fc00 r14: 0x000000000000000e r15: 0x0000000000000000  
rip: 0x0000000112746945 rfi: 0x0000000000010246 cr2: 0x0000000000000098

Logical CPU: 3

Error Code: 0x00000004 (no mapping for user data read)

Trap Number: 14

Binary Images:

0x10b265000 - 0x10b265ff7 +uk.co.planetside.Terragen-4 (v4.4.44.0 - 1.0)

<5BE49B89-9F29-3734-A94C-86946F247B45> /var/folders/\*/Terragen 4.app/Contents/MacOS/Terragen 4  
0x10b272000 - 0x10b2b6fff +se.haxx.curl.libcurl (libcurl 7.36.0 - 7.36.0)  
<18123DCB-A68C-3DA2-A776-8C271037143F> /var/folders/\*/Terragen 4.app/Contents/Frameworks/libcurl.framework/Versions/Release-7.36.0/libcurl  
0x10b2ca000 - 0x10bd6dfff +libfbxsdk.dylib (0) <82CC6FBB-A5C6-37CF-B7F0-9E9BECAEA7D8> /var/folders/\*/Terragen 4.app/Contents/MacOS/libfbxsdk.dylib  
0x10c113000 - 0x10c783ff7 +uk.co.planetside.gdal (1.0 - 1)  
<5BEC849-0AEC-342D-8AEE-26BD2561008E> /var/folders/\*/Terragen 4.app/Contents/Frameworks/GDAL.framework/Versions/1.10/GDAL  
0x10c9eb000 - 0x10ca07ff7 +uk.co.planetside.expat (1.0 - 1.0) <01FCCE64-B4AA-313D-8526-4FF6783E66A3> /var/folders/\*/Terragen 4.app/Contents/Frameworks/expat.framework/Versions/A/expat  
0x10ca14000 - 0x10ca3dfff +uk.co.planetside.glew (1.0 - 1)  
<8CE48D35-5F10-3CA0-9D18-C55193E5D817> /var/folders/\*/Terragen 4.app/Contents/Frameworks/glew.framework/Versions/A/glew  
0x10ca78000 - 0x10caaffe7 +libtbb.dylib (0) <7DD3899F-D4C8-34EF-970B-E9C63E379493> /var/folders/\*/Terragen 4.app/Contents/MacOS/libtbb.dylib  
0x10caef000 - 0x10cb17fff +uk.co.planetside.ftgl (1.0 - 1) <4764B44D-C8B8-3E9D-8054-4C3D74567D53> /var/folders/\*/Terragen 4.app/Contents/Frameworks/ftgl.framework/Versions/A/ftgl  
0x10cb33000 - 0x10cc16fff +uk.co.planetside.freetype2 (1.0 - 1) <7BCD4F3F-CD3B-3B7A-BD72-EA01E53D7BD3> /var/folders/\*/Terragen 4.app/Contents/Frameworks/freetype.framework/Versions/A/freetype  
0x10cc3d000 - 0x10cc44ff7 +com.jomeder.UCMessengerLib (1.0 - 1.0) <6C97F824-F72D-396A-8469-3A0173EBCBC0> /var/folders/\*/Terragen 4.app/Contents/Frameworks/UCMessengerLib.framework/Versions/A/UCMessengerLib  
0x10cc58000 - 0x10d2d8fff +uk.co.planetside.tglib (1.0 - 1.0) <312ED48B-E084-3171-8910-961652AA3125> /var/folders/\*/Terragen 4.app/Contents/Frameworks/tglib.framework/Versions/A/tglib  
0x10d433000 - 0x10d881fff +uk.co.planetside.trlib (1.0 - 1.0) <F519F5B3-A635-33B0-8987-BD3333E9FF6D> /var/folders/\*/Terragen 4.app/Contents/Frameworks/trlib.framework/Versions/A/trlib  
0x10eaf4000 - 0x10f24dfef +libembree.2.dylib (2.9) <6161796C-255D-3191-8AC4-B7ED9A52FD04> /var/folders/\*/Terragen 4.app/Contents/MacOS/libembree.2.dylib  
0x10f3c9000 - 0x10f3ecff7 +libtbbmalloc.dylib (0) <61A62598-7A49-33F9-B0CE-CCB6B14949DA> /var/folders/\*/Terragen 4.app/Contents/MacOS/libtbbmalloc.dylib  
0x10f429000 - 0x10f458ff7 +libopenjp2.2.0.0.dylib (2) <7B8B8115-4D1B-3EC1-8A35-3A2DC0573921> /var/folders/\*/Terragen 4.app/Contents/MacOS/libopenjp2.2.0.0.dylib  
0x111158000 - 0x11115aff3 com.apple.CloudDocsFileProvider (1.0 - 698.14) <96DFA9EF-1BA8-3A50-B30B-72773341B00B> /System/Library/Frameworks/FileProvider.framework/OverrideBundles/CloudDocsFileProvider.bundle/Contents/MacOS/CloudDocsFileProvider  
0x111163000 - 0x111166fff com.apple.FileProviderOverride (304.1 - 304.1)

<198EE5E5-B1B9-3223-8E23-1DFF89A553FA> /System/Library/Frameworks/  
FileProvider.framework/OverrideBundles/FileProviderOverride.bundle/Contents/MacOS/  
FileProviderOverride  
0x111346000 - 0x11135dff8  
com.apple.findersync.fileprovideroverride.FinderSyncCollaborationFileProviderOverride  
(1.0 - 1298.5.10) <CF308A32-9994-3092-81F4-DE59438CD142> /System/Library/  
Frameworks/FileProvider.framework/OverrideBundles/  
FinderSyncCollaborationFileProviderOverride.bundle/Contents/MacOS/  
FinderSyncCollaborationFileProviderOverride  
0x11163a000 - 0x11163d047 libobjc-trampolines.dylib (787.1) <8212B354-  
A106-3806-A022-A60F2B2FA5C9> /usr/lib/libobjc-trampolines.dylib  
0x111a52000 - 0x111aa0ff7 +uk.co.planetside.tgimg (1.0 - 1.0)  
<69250EF7-0BDD-3EBB-B892-85BF7935043D> /var/folders/\*/Terragen 4.app/  
Contents/PlugIns/tgimg.bundle/Contents/MacOS/tgimg  
0x111ab1000 - 0x111ab3ff7 +liblexMath.12.0.0.dylib (0)  
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Contents/MacOS/liblexMath.12.0.0.dylib  
0x1126cd000 - 0x112834fff +uk.co.planetside.tgstd (1.0 - 1.0)  
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Contents/PlugIns/tgstd.bundle/Contents/MacOS/tgstd  
0x1128a8000 - 0x1128eaff7 +libHalf.12.0.0.dylib (0) <48E48797-BD51-3B65-  
ABC9-6A2AD86C7050> /var/folders/\*/Terragen 4.app/Contents/MacOS/  
libHalf.12.0.0.dylib  
0x1128f3000 - 0x1128faff7 +libllmThread.12.0.0.dylib (0) <99354330-  
BFFB-3262-990D-97725682AEDB> /var/folders/\*/Terragen 4.app/Contents/MacOS/  
libllmThread.12.0.0.dylib  
0x112907000 - 0x112bc8fe7 +libllmImf.22.0.0.dylib (0)  
<1C04B013-6581-38FB-B3F8-E27B797F4A9A> /var/folders/\*/Terragen 4.app/Contents/  
MacOS/libllmImf.22.0.0.dylib  
0x112e2d000 - 0x112e48ff7 +liblmath.12.0.0.dylib (0) <849F7184-F3A9-31C3-  
B3CB-FF455F16F2F4> /var/folders/\*/Terragen 4.app/Contents/MacOS/  
liblmath.12.0.0.dylib  
0x112e5f000 - 0x112ec2ff7 +libllmImfUtil.22.0.0.dylib (0) <76AF8447-  
C167-39F9-9850-1AD8108523A1> /var/folders/\*/Terragen 4.app/Contents/MacOS/  
libllmImfUtil.22.0.0.dylib  
0x112efb000 - 0x112f0bff7 +liblex.12.0.0.dylib (0)  
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MacOS/liblex.12.0.0.dylib  
0x112f35000 - 0x112f65ff7 +uk.co.planetside.tgbase (1.0 - 1.0)  
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PlugIns/tgbase.bundle/Contents/MacOS/tgbase  
0x113304000 - 0x1133caff com.apple.AMDRadeonX4000GLDriver (3.9.15 -  
3.0.9) <35DFDCB5-77BC-3216-A42B-CC4B31B9E63E> /System/Library/Extensions/  
AMDRadeonX4000GLDriver.bundle/Contents/MacOS/AMDRadeonX4000GLDriver  
0x113b3d000 - 0x113bceeff dyld (750.5) <E4698FBD-806A-3396-B279-  
E685BA37430B> /usr/lib/dyld  
0x7fff24d07000 - 0x7fff24f54ff8 com.apple.RawCamera.bundle (9.02.0 - 1350.29)

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RawCamera.bundle/Contents/MacOS/RawCamera  
0x7fff24f57000 - 0x7fff25085ff0 com.apple.AMDMTLBronzeDriver (3.9.15 - 3.0.9)  
<D901C675-0E10-38B7-975A-82BB92383B60> /System/Library/Extensions/  
AMDMTLBronzeDriver.bundle/Contents/MacOS/AMDMTLBronzeDriver  
0x7fff25086000 - 0x7fff250bcfff ATIRadeonX4000SCLib.dylib (3.9.15)  
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AMDRadeonX4000GLDriver.bundle/Contents/MacOS/ATIRadeonX4000SCLib.dylib  
0x7fff26596000 - 0x7fff26f17ffb libSC.dylib (3.9.15)  
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AMDShared.bundle/Contents/PlugIns/libSC.dylib  
0x7fff2d4b3000 - 0x7fff2d4b7ffb com.apple.agl (3.3.3 - AGL-3.3.3)  
<E9A0E636-1C0A-3825-8933-46D798321D6F> /System/Library/Frameworks/  
AGL.framework/Versions/A/AGL  
0x7fff2d8a0000 - 0x7fff2d8a0fff com.apple.Accelerate (1.11 - Accelerate 1.11)  
<56DFF715-6A4E-3231-BDCC-A348BCB05047> /System/Library/Frameworks/  
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0x7fff2d8a1000 - 0x7fff2d8b7fef libCGInterfaces.dylib (524.2.1) <A423F932-  
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Accelerate.framework/Versions/A/Frameworks/vImage.framework/Versions/A/Libraries/  
libCGInterfaces.dylib  
0x7fff2d8b8000 - 0x7fff2df0efff com.apple.vImage (8.1 - 524.2.1)  
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Accelerate.framework/Versions/A/Frameworks/vImage.framework/Versions/A/vImage  
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Accelerate.framework/Versions/A/Frameworks/vecLib.framework/Versions/A/  
libBLAS.dylib  
0x7fff2e177000 - 0x7fff2e64afef libBNNS.dylib (144.100.2)  
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Accelerate.framework/Versions/A/Frameworks/vecLib.framework/Versions/A/  
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Accelerate.framework/Versions/A/Frameworks/vecLib.framework/Versions/A/  
libLAPACK.dylib  
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Accelerate.framework/Versions/A/Frameworks/vecLib.framework/Versions/A/  
libLinearAlgebra.dylib  
0x7fff2e9fd000 - 0x7fff2ea02ff3 libQuadrature.dylib (7)  
<3112C977-8306-3190-8313-01A952B7F3CF> /System/Library/Frameworks/  
Accelerate.framework/Versions/A/Frameworks/vecLib.framework/Versions/A/  
libQuadrature.dylib  
0x7fff2ea03000 - 0x7fff2ea73fff libSparse.dylib (103) <40510BF9-99A7-3155-  
A81D-6DE5A0C73EDC> /System/Library/Frameworks/Accelerate.framework/Versions/  
A/Frameworks/vecLib.framework/Versions/A/libSparse.dylib

0x7fff2ea74000 - 0x7fff2ea86fef libSparseBLAS.dylib (1303.60.1) <3C1066AB-20D5-38D2-B1F2-70A03DE76D0B> /System/Library/Frameworks/Accelerate.framework/Versions/A/Frameworks/vecLib.framework/Versions/A/libSparseBLAS.dylib

0x7fff2ea87000 - 0x7fff2ec5efd7 libvDSP.dylib (735.121.1) <74702E2E-ED05-3765-B18C-64BEFF62B517> /System/Library/Frameworks/Accelerate.framework/Versions/A/Frameworks/vecLib.framework/Versions/A/libvDSP.dylib

0x7fff2ec5f000 - 0x7fff2ed21fef libvMisc.dylib (735.121.1) <137558BF-503D-3A6E-96DC-A181E3FB31FF> /System/Library/Frameworks/Accelerate.framework/Versions/A/Frameworks/vecLib.framework/Versions/A/libvMisc.dylib

0x7fff2ed22000 - 0x7fff2ed22fff com.apple.Accelerate.vecLib (3.11 - vecLib 3.11) <D7E8E400-35C8-3174-9956-8D1B483620DA> /System/Library/Frameworks/Accelerate.framework/Versions/A/Frameworks/vecLib.framework/Versions/A/vecLib

0x7fff2ed23000 - 0x7fff2ed82ff0 com.apple.Accounts (113 - 113) <0510C893-F1F2-38B2-B3AA-A30DB2F5B688> /System/Library/Frameworks/Accounts.framework/Versions/A/Accounts

0x7fff2eccc000 - 0x7fff2fc8cffd com.apple.AppKit (6.9 - 1894.50.103) <61269B8C-C432-335F-8894-B95C235A41A5> /System/Library/Frameworks/AppKit.framework/Versions/C/AppKit

0x7fff2fcdc000 - 0x7fff2fcdcff com.apple.ApplicationServices (48 - 50) <EEC73694-1A37-3C14-A839-6991E2BD8655> /System/Library/Frameworks/ApplicationServices.framework/Versions/A/ApplicationServices

0x7fff2fcdd000 - 0x7fff2fd48fff com.apple.ApplicationServices.ATS (377 - 493.0.4.1) <A6912C4A-55CC-3701-BACA-E63423B99481> /System/Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/ATS.framework/Versions/A/ATS

0x7fff2fde1000 - 0x7fff2fe1fff0 libFontRegistry.dylib (274.0.5.1) <A78A7869-C96C-3AD6-A038-DE541639BB60> /System/Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/ATS.framework/Versions/A/Resources/libFontRegistry.dylib

0x7fff2fe7a000 - 0x7fff2fea9fff com.apple.ATSUI (1.0 - 1) <4B3C2201-DBB3-352C-936B-9C423122EFF6> /System/Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/ATSUI.framework/Versions/A/ATSUI

0x7fff2feaa000 - 0x7fff2feaeffb com.apple.ColorSyncLegacy (4.13.0 - 1) <47D42CDE-2E9A-3AF6-9365-1BFD1189196B> /System/Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/ColorSyncLegacy.framework/Versions/A/ColorSyncLegacy

0x7fff2ff48000 - 0x7fff2ff9ffa com.apple.HIServices (1.22 - 675.1) <273492E3-FF0F-3A8A-A83F-0F11F99B5F26> /System/Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/HIServices.framework/Versions/A/HIServices

0x7fff2ffa0000 - 0x7fff2ffaefff com.apple.LangAnalysis (1.7.0 - 1.7.0) <DA175323-5BE3-3C54-92D4-A171A4A067E6> /System/Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/LangAnalysis.framework/

## Versions/A/LangAnalysis

0x7fff2ffaf000 - 0x7fff2fff4ffa com.apple.print.framework.PrintCore (15.4 - 516.2) <99AEBCDB-2DCA-3A13-906F-7F0D7962B002> /System/Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/PrintCore.framework/Versions/A/PrintCore

0x7fff2fff5000 - 0x7fff2fffff7 com.apple.QD (4.0 - 413) <D2E1DC80-D26F-3508-BBA5-B8AE7ED6CB0E> /System/Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/QD.framework/Versions/A/QD

0x7fff30000000 - 0x7fff3000dfffc com.apple.speech.synthesis.framework (9.0.24 - 9.0.24) <823C0DE7-1351-3B39-8F06-AB5FCAD2C874> /System/Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/SpeechSynthesis.framework/Versions/A/SpeechSynthesis

0x7fff3000e000 - 0x7fff300efffa com.apple.audio.toolbox.AudioToolbox (1.14 - 1.14) <75651F0A-F2CE-3F68-B86A-E66B8815DCF4> /System/Library/Frameworks/AudioToolbox.framework/Versions/A/AudioToolbox

0x7fff300f1000 - 0x7fff300f1fff com.apple.audio.units.AudioUnit (1.14 - 1.14) <E51DCB3C-CF4F-320B-AC86-D445E30C0891> /System/Library/Frameworks/AudioUnit.framework/Versions/A/AudioUnit

0x7fff30487000 - 0x7fff30815ffd com.apple.CFNetwork (1126 - 1126) <BB8F4C63-10B8-3ACD-84CF-D4DCFA9245DD> /System/Library/Frameworks/CFNetwork.framework/Versions/A/CFNetwork

0x7fff30891000 - 0x7fff30891fff com.apple.Carbon (160 - 162) <4F1F60CB-6C1E-3D79-832E-8D606601F282> /System/Library/Frameworks/Carbon.framework/Versions/A/Carbon

0x7fff30892000 - 0x7fff30895ff3 com.apple.CommonPanels (1.2.6 - 101) <333BBF55-AF23-3B99-A9FF-7906175B9406> /System/Library/Frameworks/Carbon.framework/Versions/A/Frameworks/CommonPanels.framework/Versions/A/CommonPanels

0x7fff30896000 - 0x7fff30b8aff3 com.apple.HIToolbox (2.1.1 - 994.6) <5C44ACA7-D158-3F9B-8F88-0477510D44FA> /System/Library/Frameworks/Carbon.framework/Versions/A/Frameworks/HIToolbox.framework/Versions/A/HIToolbox

0x7fff30b8b000 - 0x7fff30b8eff3 com.apple.help (1.3.8 - 71) <4B2701A0-8813-35F8-82F8-676B184D15C4> /System/Library/Frameworks/Carbon.framework/Versions/A/Frameworks/Help.framework/Versions/A/Help

0x7fff30b8f000 - 0x7fff30b94ff7 com.apple.ImageCapture (9.0 - 1600.60.4.2) <20872A2D-CBF9-38E6-BD16-C1D387120651> /System/Library/Frameworks/Carbon.framework/Versions/A/Frameworks/ImageCapture.framework/Versions/A/ImageCapture

0x7fff30b95000 - 0x7fff30b95fff com.apple.ink.framework (10.15 - 227) <5B60FDDE-D60E-326B-BD3D-6EA5FA1CBB76> /System/Library/Frameworks/Carbon.framework/Versions/A/Frameworks/Ink.framework/Versions/A/Ink

0x7fff30b96000 - 0x7fff30bb0ffa com.apple.openscripting (1.7 - 185.1) <E59F893B-1A73-3098-8924-79227EC9787E> /System/Library/Frameworks/Carbon.framework/Versions/A/Frameworks/OpenScripting.framework/Versions/A/OpenScripting

0x7fff30bd1000 - 0x7fff30bd1fff com.apple.print.framework.Print (15 - 271) <07C50BF6-2222-3769-A5B8-79D7F996183F> /System/Library/Frameworks/

Carbon.framework/Versions/A/Frameworks/Print.framework/Versions/A/Print  
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C2

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SpeechRecognitionCore  
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SpotlightIndex.framework/Versions/A/SpotlightIndex  
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0x7fff64792000 - 0x7fff6487cff8 com.apple.ViewBridge (464.1 - 464.1) <C698BAC9-26C8-39F1-BBC0-F57EBD2EFD7B> /System/Library/PrivateFrameworks/ViewBridge.framework/Versions/A/ViewBridge  
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0x7fff65a20000 - 0x7fff65a33ffd com.apple.login (3.0 - 3.0) <1DC570FD-29EC-3AE8-BD34-D44C00E4621B> /System/Library/PrivateFrameworks/login.framework/Versions/A/login  
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<736920EA-6AE0-3B1B-BBDA-7DCDF0C229DF> /usr/lib/system/  
libsystem\_platform.dylib  
0x7fff6bcf9000 - 0x7fff6bd03fff libsystem\_pthread.dylib (416.100.3)  
<77488669-19A3-3993-AD65-CA5377E2475A> /usr/lib/system/libsystem\_pthread.dylib  
0x7fff6bd04000 - 0x7fff6bd08ff3 libsystem\_sandbox.dylib (1217.120.7)  
<20C93D69-6452-3C82-9521-8AE54345C66F> /usr/lib/system/  
libsystem\_sandbox.dylib  
0x7fff6bd09000 - 0x7fff6bd0bfff libsystem\_secinit.dylib (62.100.2) <E851113D-  
D5B1-3FB0-9D29-9C7647A71961> /usr/lib/system/libsystem\_secinit.dylib  
0x7fff6bd0c000 - 0x7fff6bd13ffb libsystem\_symptoms.dylib (1238.120.1)  
<25C3866B-004E-3621-9CD3-B1E9C4D887EB> /usr/lib/system/  
libsystem\_symptoms.dylib

0x7fff6bd14000 - 0x7fff6bd2aff2 libsystem\_trace.dylib (1147.120)  
 <A1ED1D3A-5FAD-3559-A1D6-1BE4E1C5756A> /usr/lib/system/libsystem\_trace.dylib  
 0x7fff6bd2c000 - 0x7fff6bd31ff7 libunwind.dylib (35.4) <253A12E2-F88F-3838-  
 A666-C5306F833CB8> /usr/lib/system/libunwind.dylib  
 0x7fff6bd32000 - 0x7fff6bd67ffe libxpc.dylib (1738.120.8) <68D433B6-  
 DCFF-385D-8620-F847FB7D4A5A> /usr/lib/system/libxpc.dylib

External Modification Summary:

Calls made by other processes targeting this process:

task\_for\_pid: 365  
 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: 28360602  
 thread\_create: 0  
 thread\_set\_state: 0

VM Region Summary:

ReadOnly portion of Libraries: Total=671.9M resident=0K(0%)

swapped\_out\_or\_unallocated=671.9M(100%)

Writable regions: Total=8.0G written=0K(0%) resident=0K(0%) swapped\_out=0K(0%)

unallocated=8.0G(100%)

REGION TYPE	SIZE	COUNT	(non-coalesced)
ATS (font support)	32.1M	121	
ATS (font support) (reserved) (unallocated)	4K	1	reserved VM address space
Accelerate framework	1280K	10	
Activity Tracing	256K	1	
CG backing stores	1760K	2	
CG image	7040K	327	
CoreAnimation	455.6M	936	
CoreGraphics	8K	1	
CoreImage	36K	5	
CoreUI image data	5148K	39	
Foundation	24K	2	
Kernel Alloc Once	8K	1	
MALLOC	5.7G	757	
MALLOC guard page	48K	9	
MALLOC_MEDIUM (reserved) (unallocated)	384.0M	9	reserved VM address space

MALLOC_NANO (reserved)	256.0M	1	reserved VM address space
(unallocated)			
Memory Tag 242	12K	1	
STACK GUARD	56.1M	16	
Stack	33.1M	16	
VM_ALLOCATE	158.5M	292	
VM_ALLOCATE (reserved)	1.0G	1	reserved VM address space
(unallocated)			
__DATA	63.5M	369	
__DATA_CONST	92K	5	
__FONT_DATA	4K	1	
__GLSLBUILTINS	5176K	1	
__LINKEDIT	399.6M	33	
__OBJC_RO	32.2M	1	
__OBJC_RW	1892K	2	
__TEXT	272.3M	359	
__UNICODE	564K	1	
mapped file	83.5M	29	
shared memory	688K	17	
=====	=====	=====	
TOTAL	8.9G	3366	
TOTAL, minus reserved VM space	7.3G	3366	