

CHIRP - Bug # 9838

Status:	Closed	Priority:	Normal
Author:	Stuart Raike	Category:	
Created:	04/18/2022	Assignee:	
Updated:	05/12/2022	Due date:	
Chirp Version:	daily		
Model affected:	Installation		
Platform:	MacOS		
Subject:	Program crashes on MacBook Air OS 12.3.1		
Description			
App crashes as soon as I click on it to open. There is no debug.log created. Using chirp-unified-daily-20220408.app.zip. Here is Apple's crash report:			

Translated Report (Full Report Below)			

Incident Identifier: 80866D0F-62B0-4C88-ABCA-CB6C209AC8BA			
CrashReporter Key: 01994D15-7F90-CD39-E3B4-62433A313A76			
Hardware Model: MacBookAir10,1			
Process: CHIRP [3387]			
Path: /private/var/folders/*/CHIRP.app/Contents/MacOS/chirp			
Identifier: CHIRP			
Version: ???			
Code Type: X86-64 (Native)			
Role: Unspecified			
Parent Process: launchd [1]			
Coalition: com.danplanet.chirp [831]			
Date/Time: 2022-04-18 10:39:26.3528 -0500			
Launch Time: 2022-04-18 10:39:26.2864 -0500			
OS Version: macOS 12.3.1 (21E258)			
Release Type: User			
Report Version: 104			
Exception Type: EXC_CRASH (SIGKILL (Code Signature Invalid))			
Exception Codes: 0x0000000000000000, 0x0000000000000000			
Exception Note: EXC_CORPSE_NOTIFY			
Termination Reason: CODESIGNING 1			
Highlighted by Thread: 0			
Backtrace not available			
No thread state (register information) available			
Binary Images:			
Binary images description not available			
Error Formulating Crash Report:			

dyld_process_info_create failed with 6

dyld_process_snapshot_get_shared_cache failed

Failed to create CSSymbolicatorRef - corpse still valid "\(\)_/"

thread_get_state(PAGEIN) returned 0x10000003: (ipc/send) invalid destination port

thread_get_state(EXCEPTION) returned 0x10000003: (ipc/send) invalid destination port

thread_get_state(FLAVOR) returned 0x10000003: (ipc/send) invalid destination port

EOF

Full Report

```
{
  "app_name": "CHIRP",
  "timestamp": "2022-04-18 10:39:28.00-0500",
  "app_version": "",
  "slice_uuid": "fdf4a2ef-05b5-37b9-8624-045a152b6db7",
  "build_version": "",
  "platform": "0",
  "share_with_app_devs": "0",
  "is_first_party": "1",
  "bug_type": "309",
  "os_version": "macOS 12.3.1 (21E258)",
  "incident_id": "80866D0F-62B0-4C88-ABCA-CB6C209AC8BA",
  "name": "CHIRP"
}{
  "uptime": 4900,
  "procLaunch": "2022-04-18 10:39:26.2864 -0500",
  "procRole": "Unspecified",
  "version": 2,
  "userID": 501,
  "deployVersion": 210,
  "modelCode": "MacBookAir10,1",
  "procStartAbsTime": 118286474315,
  "coalitionID": 831,
  "osVersion": {
    "train": "macOS 12.3.1",
    "build": "21E258",
    "releaseType": "User"
  },
  "captureTime": "2022-04-18 10:39:26.3528 -0500",
  "incident": "80866D0F-62B0-4C88-ABCA-CB6C209AC8BA",
  "bug_type": "309",
  "pid": 3387,
  "procExitAbsTime": 118288061949,
  "translated": true,
  "cpuType": "X86-64",
  "procName": "CHIRP",
  "procPath": "\private\var\folders\*\VCHIRP.app\Contents\MacOS\chirp",
  "parentProc": "launchd",
  "parentPid": 1,
  "coalitionName": "com.danplanet.chirp",
  "crashReporterKey": "01994D15-7F90-CD39-E3B4-62433A313A76",
  "wakeTime": 3521,
  "sleepWakeUUID": "F22111BA-1180-4DFE-A440-AF8D8EAB4E89",
  "sip": "enabled",
  "isCorpse": 1,
  "exception": {
    "codes": "0x0000000000000000, 0x0000000000000000",
    "rawCodes": "[0,0]",
    "type": "EXC_CRASH",
    "signal": "SIGKILL (Code Signature Invalid)"
  },
  "termination": {
    "namespace": "CODESIGNING",
    "flags": 66,
    "code": 1
  },
  "extMods": {
    "caller": {
      "thread_create": 0,
      "thread_set_state": 0,
      "task_for_pid": 0
    },
    "system": {
      "thread_create": 0,
      "thread_set_state": 0,
      "task_for_pid": 0
    },
    "targeted": 0
  }
}
```

```

argeted":{"thread_create":0,"thread_set_state":0,"task_for_pid":0},"warnings":0},
"legacyInfo" : {
"threadHighlighted" : 0
},
"trialInfo" : {
"rollouts" : [ {
"rolloutId" : "5fb4245a1bbfe8005e33a1e1",
"factorPackIds" : {
},
"deploymentId" : 24000015
},
{
"rolloutId" : "61301e3a61217b3110231469",
"factorPackIds" : {
"SIRI_FIND_MY_CONFIGURATION_FILES" : "6216ae152a40e71046e16225"
},
"deploymentId" : 24000016
}
],
"experiments" : [
]
},
"reportNotes" : [
"_dyld_process_info_create failed with 6",
"dyld_process_snapshot_get_shared_cache failed",
"Failed to create CSSymbolicatorRef - corpse still valid "\\_(\\_)",
"thread_get_state(PAGEIN) returned 0x10000003: (ipc\\send) invalid destination port",
"thread_get_state(EXCEPTION) returned 0x10000003: (ipc\\send) invalid destination port",
"thread_get_state(FLAVOR) returned 0x10000003: (ipc\\send) invalid destination port"
]
}

```

Model: MacBookAir10,1, BootROM 7459.101.3, proc 8:4:4 processors, 16 GB, SMC
Graphics: Apple M1, Apple M1, Built-In
Display: Color LCD, 2560 x 1600 Retina, Main, MirrorOff, Online
Memory Module: LPDDR4
AirPort: Wi-Fi, wl0: Feb 8 2022 01:44:45 version 18.60.21.0.7.8.126 FWID 01-1cdae627
Bluetooth: Version (null), 0 services, 0 devices, 0 incoming serial ports
Network Service: Wi-Fi, AirPort, en0
USB Device: USB31Bus
USB Device: USB31Bus
Thunderbolt Bus: MacBook Air, Apple Inc.
Thunderbolt Bus: MacBook Air, Apple Inc.

History

#1 - 04/22/2022 06:45 pm - Tim Heuett

This is the problem right here:

```

"exception" : {"codes":"0x0000000000000000, 0x0000000000000000","rawCodes":[0,0],"type":"EXC_CRASH","signal":"SIGKILL (Code Signature Invalid)"},

```

I had the same issue and was able to open CHIRP after manually signing the application with my own certificate. If you're not familiar with codesigning on MacOS, I probably wouldn't recommend trying to brute force it like I did, but here are some helpful resources all the same:

<https://developer.apple.com/library/archive/documentation/Security/Conceptual/CodeSigningGuide/Procedures/Procedures.html>
<https://developer.apple.com/forums/thread/129657>

Ultimately this is a bug in the build process that needs to be resolved for newer versions of MacOS

#2 - 04/22/2022 07:36 pm - Stuart Raike

Thank for the info Tim. I don't understand code signing like you do but will study the references you provided. Luckily I still have an older version of Chirp on another Macbook and will use it until I either figure out code signing or an update comes out. Thank, Stu

#3 - 04/23/2022 08:45 pm - Louis Wise

I had to download an install python2.7 for chirp to start up Ok in OS 12.3. There is a link on the Mac tips page for that. It worked, but I still can't get Chirp to access my file system and save and load data.

#4 - 04/23/2022 09:16 pm - Louis Wise

I can download and open only from a few locations now. I can't open Desktop or Documents, but I can do that to the Movies, Photos folders from my main user file location. So I'm getting more to work here.

#5 - 04/23/2022 09:19 pm - Louis Wise

Here is the data from the Mac Tips page, in another post it was stated that Chirp only supports Python 2.7 and not 3. I downloaded and installed 2.7 and that worked:

As of macOS 12.3, Apple has removed python2.x support. However, you can install the open-source python distribution package to restore it. This is only needed once per system, after which the .app will work normally. Download it directly from python.org or use the local mirror .

This reportedly works in macOS 12.3 on Intel and Apple Silicon machines.

Mac USB Drivers

#6 - 04/24/2022 01:08 am - Tony Fuller

Hi Stuart,

Others have reported that running a few simple commands will resolve the Code Signature Invalid issue. This is documented at

https://chirp.danplanet.com/projects/chirp/wiki/MacOS_Tips#Application-Security-in-MacOS-1015-Catalina

```
xattr -c /Applications/CHIRP.app
xattr -c /Applications/CHIRP.app/Contents
codesign --force --deep --sign - /Applications/CHIRP.app
```

Hopefully that helps,

Tony

#7 - 04/24/2022 07:23 pm - Stuart Raike

Hi Tony,

Thanks again for your assistance. I assume I run those commands in Terminal? I did do that and in doing so it indicated it was revising code signature but Chirp still crashes as soon as i open it. Rebooted - same. Here is latest crash log:

Translated Report (Full Report Below)

Process: CHIRP [608]
Path: /Applications/CHIRP.app/Contents/MacOS/chirp
Identifier: CHIRP
Version: ???
Code Type: X86-64 (Translated)
Parent Process: launchd [1]
User ID: 501

Date/Time: 2022-04-24 14:18:44.5641 -0500
OS Version: macOS 12.3.1 (21E258)
Report Version: 12
Anonymous UUID: 01994D15-7F90-CD39-E3B4-62433A313A76

Time Awake Since Boot: 31 seconds

System Integrity Protection: enabled

Crashed Thread: 0

Exception Type: EXC_CRASH (SIGABRT)
Exception Codes: 0x0000000000000000, 0x0000000000000000
Exception Note: EXC_CORPSE_NOTIFY

Termination Reason: Namespace DYLD, Code 1 Library missing
Library not loaded: /System/Library/Frameworks/Python.framework/Versions/2.7/Python
Referenced from: /Applications/CHIRP.app/Contents/CHIRP
Reason: tried: '/System/Library/Frameworks/Python.framework/Versions/2.7/Python' (no such file),
'/Library/Frameworks/Python.framework/Versions/2.7/Python' (no such file)
(terminated at launch; ignore backtrace)

Application Specific Information:
Library not loaded: /System/Library/Frameworks/Python.framework/Versions/2.7/Python
Referenced from: /Applications/CHIRP.app/Contents/CHIRP
Reason: tried: '/System/Library/Frameworks/Python.framework/Versions/2.7/Python' (no such file),
'/Library/Frameworks/Python.framework/Versions/2.7/Python' (no such file)

Thread 0 Crashed:
0 Rosetta Runtime Routines 0x200220940 ???
1 dyld 0x2001230de __abort_with_payload + 10

```

2 dyld 0x200139212 abort_with_payload_wrapper_internal + 80
3 dyld 0x200139244 abort_with_payload + 9
4 dyld 0x2000e776f dyld4::halt(char const*) + 375
5 dyld 0x2000e35a5 dyld4::prepare(dyld4::APIs&, dyld3::MachOAnalyzer const*) + 3995
6 dyld 0x2000e24d4 start + 388

```

Thread 1:: com.apple.rosetta.exceptionserver

```

0 runtime 0x7ff7ffc1f9a4 0x7ff7ffc1b000 + 18852
1 runtime 0x7ff7ffc2d738 0x7ff7ffc1b000 + 75576
2 runtime 0x7ff7ffc2eed0 0x7ff7ffc1b000 + 81616

```

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

```

x0: 0x0000000000000006 x1: 0x0000000000000001 x2: 0x000000030423f8f0 x3: 0x000000000000007b
x4: 0x000000030423f4f0 x5: 0x0000000000000000 x6: 0x256c333e0356001e x7: 0x000000200423f500
x8: 0x000000030423f4f0 x9: 0x0000000000000000 x10: 0x000000000000007b x11: 0x000000030423f4f0
x12: 0x000000000000007b x13: 0x000000030423f8f0 x14: 0x0000000000000001 x15: 0x0000000000000006
x16: 0x0000000000000209 x17: 0x0000000000000000 x18: 0x8000000108132b70 x19: 0x00000001000bf000
x20: 0x00000000000007ff x21: 0x0000000108137fa0 x22: 0xffffffffffffff x23: 0x0000000200220914
x24: 0x0000000200139212 x25: 0x000000020021d2d8 x26: 0x00000001000cb078 x27: 0x0000000000000000
x28: 0x00000002001230de fp: 0x000000002c000000 lr: 0x000000020020c6e0
sp: 0x0000000108132b70 pc: 0x0000000200220940 cpsr: 0x80001000
far: 0x000000020021d338 esr: 0x56000080 Address size fault

```

Binary Images:

```

0x0 - 0xffffffffffff ? () <00000000-0000-0000-0000-000000000000> ?
0x2000dd000 - 0x200148fff dyld () <dd9e80de-fb3b-349b-96a4-46874ad34d11> /usr/lib/dyld
0x7ff7ffc1b000 - 0x7ff7ffc4aff runtime (*) <24497be3-a1b4-360a-b90e-cde9ce78a93b> /usr/libexec/rosetta/runtime

```

External Modification Summary:

Calls made by other processes targeting this process:

```

task_for_pid: 0
thread_create: 0
thread_set_state: 0

```

Calls made by this process:

```

task_for_pid: 0
thread_create: 0
thread_set_state: 0

```

Calls made by all processes on this machine:

```

task_for_pid: 0
thread_create: 0
thread_set_state: 0

```

VM Region Summary:

```

ReadOnly portion of Libraries: Total=1228K resident=0K(0%) swapped_out_or_unallocated=1228K(100%)
Writable regions: Total=155.1M written=0K(0%) resident=0K(0%) swapped_out=0K(0%) unallocated=155.1M(100%)=====
=====

```

```

Rosetta Arena 4096K 2
Rosetta Generic 676K 166
Rosetta IndirectBranch 32K 1
Rosetta JIT 128.0M 1
Rosetta Return Stack 20K 2
Rosetta Thread Context 20K 2
Stack 8176K 1

```

```

Stack Guard          56.0M    1
VM_ALLOCATE          13.3M    5
VM_ALLOCATE (reserved)  4K      1    reserved VM address space (unallocated)
_DATA                116K    6
_DATA_CONST          80K     1
_LINKEDIT            304K    8
_TEXT                968K    4
dyld private memory  1024K    1
mapped file          6.0G   28 =====
TOTAL                6.3G   230
TOTAL, minus reserved VM space 6.3G   230

```

```

VIRTUAL REGION
REGION TYPE          SIZE  COUNT (non-coalesced)

```

```

-----
Full Report
-----

```

```

{"app_name":"CHIRP","timestamp":"2022-04-24 14:18:44.00
-0500","app_version":"","slice_uuid":"fdf4a2ef-05b5-37b9-8624-045a152b6db7","build_version":"","platform":1,"share_with_app_devs":0,"is_first_party":1,"bug_t
:1,"bug_type":"309","os_version":"macOS 12.3.1 (21E258)","incident_id":"17586411-560B-4759-A490-596B2D632425","name":"CHIRP"}{
  "uptime" : 31,
  "procLaunch" : "2022-04-24 14:18:44.4067 -0500",
  "procRole" : "Default",
  "version" : 2,
  "userID" : 501,
  "deployVersion" : 210,
  "modelCode" : "MacBookAir10,1",
  "procStartAbsTime" : 758617709,
  "coalitionID" : 696,
  "osVersion" : {
    "train" : "macOS 12.3.1",
    "build" : "21E258",
    "releaseType" : "User"
  },
  "captureTime" : "2022-04-24 14:18:44.5641 -0500",
  "incident" : "17586411-560B-4759-A490-596B2D632425",
  "bug_type" : "309",
  "pid" : 608,
  "procExitAbsTime" : 760381625,
  "translated" : true,
  "cpuType" : "X86-64",
  "procName" : "CHIRP",
  "procPath" : "\Applications\CHIRP.app\Contents\MacOS\chirp",
  "parentProc" : "launchd",
  "parentPid" : 1,
  "coalitionName" : "com.danplanet.chirp",
  "crashReporterKey" : "01994D15-7F90-CD39-E3B4-62433A313A76",
  "sjp" : "enabled",
  "isCorpse" : 1,
  "exception" : {"codes":"0x0000000000000000, 0x0000000000000000","rawCodes":[0,0],"type":"EXC_CRASH","signal":"SIGABRT"},
  "termination" : {"code":1,"flags":518,"namespace":"DYLD","indicator":"Library missing","details":["(terminated at launch; ignore
backtrace)"],"reasons":["Library not loaded: \System\Library\Frameworks\Python.framework\Versions\2.7\Python","Referenced from:

```

```

VApplications\CHIRP.app\Contents\CHIRP";Reason: tried: '\System\Library\Frameworks\Python.framework\Versions\2.7\Python' (no such file),
'\Library\Frameworks\Python.framework\Versions\2.7\Python' (no such file)"}],
  "asi" : {"dyld":{"Library not loaded: '\System\Library\Frameworks\Python.framework\Versions\2.7\Python',"Referenced from:
VApplications\CHIRP.app\Contents\CHIRP";Reason: tried: '\System\Library\Frameworks\Python.framework\Versions\2.7\Python' (no such file),
'\Library\Frameworks\Python.framework\Versions\2.7\Python' (no such file)"}},
  "extMods" :
{"caller":{"thread_create":0,"thread_set_state":0,"task_for_pid":0},"system":{"thread_create":0,"thread_set_state":0,"task_for_pid":0},"targeted":{"thread_create":
_create":0,"thread_set_state":0,"task_for_pid":0},"warnings":0},
  "faultingThread" : 0,
  "threads" :
[{"triggered":true,"id":5230,"threadState":{"x":{"value":6},"value":1},"value":12954368240},"value":123},"value":12954367216},"value":0},"value":269658661
96586618325041182},"value":137508418816},"value":12954367216},"value":0},"value":123},"value":12954367216},"value":123},"value":12954368240},"v
8240},"value":1},"value":6},"value":521},"value":0},"value":9223372041285217136},"value":4295749632},"value":2047},"value":4430462880},"value":1844
ue":18446744073709551615},"value":8592165140},"value":8591217170,"symbolLocation":80,"symbol":"abort_with_payload_wrapper_internal"},"value":8592
ue":8592151256},"value":4295798904},"value":0},"value":8591126750,"symbolLocation":10,"symbol":"__abort_with_payload"},"flavor":"ARM_THREAD_STA
AD_STATE64","lr":{"value":8592082656},"cpsr":{"value":2147487744},"fp":{"value":738197504},"sp":{"value":4430441328},"esr":{"value":1442840704,"descriptio
description":" Address size
fault"},"pc":{"value":8592165184,"matchesCrashFrame":1},"far":{"value":8592151352},"frames":[{"imageOffset":8592165184,"region":"Rosetta
Runtime
Routines","symbolLocation":10560,"imageIndex":0,"imageOffset":286942,"symbol":"__abort_with_payload","symbolLocation":10,"imageIndex":1},"imageOffse
ageOffset":377362,"symbol":"abort_with_payload_wrapper_internal","symbolLocation":80,"imageIndex":1},"imageOffset":377412,"symbol":"abort_with_payload
_payload","symbolLocation":9,"imageIndex":1},"imageOffset":42863,"symbol":"dyld4::halt(char
const*"},"symbolLocation":375,"imageIndex":1},"imageOffset":26021,"symbol":"dyld4::prepare(dyld4::APIs&, dyld3::MachOAnalyzer
const*"},"symbolLocation":3995,"imageIndex":1},"imageOffset":21716,"symbol":"start","symbolLocation":388,"imageIndex":1}],"id":5231,"name":"com.apple.ro
.apple.rosetta.exceptionserver","frames":[{"imageOffset":18852,"imageIndex":2},"imageOffset":75576,"imageIndex":2},"imageOffset":81616,"imageIndex":2}]]},
dex":2}]]}],
  "usedImages" : [ {
    "size" : 0,
    "source" : "A",
    "base" : 0,
    "uuid" : "00000000-0000-0000-0000-000000000000"
  }, {
    "source" : "P",
    "arch" : "x86_64",
    "base" : 8590839808,
    "size" : 442368,
    "uuid" : "dd9e80de-fb3b-349b-96a4-46874ad34d11",
    "path" : "\usr\lib\dyld",
    "name" : "dyld"
  }, {
    "source" : "P",
    "arch" : "arm64",
    "base" : 140703124533248,
    "size" : 196608,
    "uuid" : "24497be3-a1b4-360a-b90e-cde9ce78a93b",
    "path" : "\usr\libexec\rosetta\runtime",
    "name" : "runtime"
  }
],
  "sharedCache" : {
    "base" : 140703560761344,
    "size" : 15226814464,
    "uuid" : "a1c5d735-ceb0-350d-9729-bb0e9be86d75"
  }
}

```



```

},
"vmSummary" : "ReadOnly portion of Libraries: Total=1228K resident=0K(0%) swapped_out_or_unallocated=1228K(100%)\nWritable regions:
Total=155.1M written=0K(0%) resident=0K(0%) swapped_out=0K(0%) unallocated=155.1M(100%)\n\n          VIRTUAL REGION
\nREGION TYPE          SIZE  COUNT (non-coalesced) \n=====
===== \nRosetta Arena
4096K    2 \nRosetta Generic          676K   166 \nRosetta IndirectBranch    32K    1 \nRosetta JIT          128.0M    1
\nRosetta Return Stack    20K    2 \nRosetta Thread Context    20K    2 \nStack          8176K    1 \nStack Guard
    56.0M    1 \nVM_ALLOCATE          13.3M    5 \nVM_ALLOCATE (reserved)    4K    1 reserved VM address space
(unallocated)\n__DATA          116K    6 \n__DATA_CONST          80K    1 \n__LINKEDIT          304K    8
\n__TEXT          968K    4 \n dyld private memory    1024K    1 \nmapped file          6.0G    28 \n=====
===== \nTOTAL          6.3G    230 \nTOTAL, minus reserved VM space    6.3G    230 \n",
"legacyInfo" : {
"threadTriggered" : {
}
},
"trialInfo" : {
"rollouts" : [
{
"rolloutId" : "5fb4245a1bbfe8005e33a1e1",
"factorPackIds" : {
},
"deploymentId" : 240000015
},
{
"rolloutId" : "61301e3a61217b3110231469",
"factorPackIds" : {
"SIRI_FIND_MY_CONFIGURATION_FILES" : "6216ae152a40e71046e16225"
},
"deploymentId" : 240000016
}
],
"experiments" : [
]
}
}

```

Model: MacBookAir10,1, BootROM 7459.101.3, proc 8:4:4 processors, 16 GB, SMC
Graphics: Apple M1, Apple M1, Built-In
Display: Color LCD, 2560 x 1600 Retina, Main, MirrorOff, Online
Memory Module: LPDDR4
AirPort: Wi-Fi, wl0: Feb 8 2022 01:44:45 version 18.60.21.0.7.8.126 FWID 01-1cdae627
Bluetooth: Version (null), 0 services, 0 devices, 0 incoming serial ports
Network Service: Wi-Fi, AirPort, en0
USB Device: USB31Bus
USB Device: USB31Bus
Thunderbolt Bus: MacBook Air, Apple Inc.
Thunderbolt Bus: MacBook Air, Apple Inc.

#8 - 04/24/2022 09:21 pm - Ran Katz

Hi Stuart,
You passed the code signing step, now it fails when looking for python 2.7 which was removed in 12.3+.
There is a download link for a python 2.7 distribution package here:

Install it and I think you should be fine.

I hope it helps,

Ran

#9 - 04/26/2022 01:49 pm - Stuart Raike

Thanks Ran! Installing Python 2.7 allows Chirp to load. Don't have my radio with me so haven't tried using the program but it loads now and I think all will be well. We can close this out as resolved by code signing and installation of Python 2.7. Support here has been awesome and thank y'all very much!

#10 - 05/12/2022 08:15 pm - Bernhard Hailer

- *Status changed from New to Closed*
- *Target version deleted (chirp-daily)*
- *Model affected changed from (All models) to Installation*

Closed as suggested by submitters.