





Asterisk ASTERISK-29392
chan_iax2: Asterisk crashes when queueing video with format

Details

Type:  Bug
Severity:  Major
Affects Version/s: 16.2.1, 18.2.2, 18.3.0
Component/s: Channels/chan_iax2

Status:	CLOSED
Resolution:	Fixed
Target Release	13.38.3, (7)
Version/s:	
Security Level:	None

Labels: patch

Environment: FreePBX 15.0.17.24 - Intel Xeon platform 64bit

Frequency of Occurrence: Constant

Description

Hello,
 I have connected 2 FreePBX Systems via Dundi IAX2 trunk. Normal calls are working fine, but when I activate Video on the phone A (Cisco, Yealink...) and call another phone B (phone A > Server A > IAX2 > Server B > phone B) Server B crashes. When I stay with phone A+B on the same Server or disable Video on the phone - everything works perfect. This only happens via IAX2 trunks, sometimes immediatly, sometimes after a while during the call.

The configuration of the trunk is very basic

```
dundi_custom.conf:
```

```
; DKOMAV
[22:e1:bc:08:83:5c]
host=44.149.94.136
include=priv
model=symmetric
order=primary
permit=priv
qualify=yes
secret=xxxxxxxxxx
```

iax_custom.conf:

```
[iaxuser]
type=friend
secret=dundi/secret
context=incomingdundi
```

I already disabled videosupport on the IAX-Trunk but still the same issue.

Trace from the Asterisk-console of the crashing server:

```

[*] Connected to Asterisk 16.2.1 (currently running on freebox (pid = 26623)
[*] - Accepting AUTHENTICATED call from 44.225.66.198:4569:
[*] - requested format = g722,
[*] - requested codecs = disabled,
[*] - actual format = g722,
[*] - priority = disabled,
[*] - hport = 5566
[*] - Executing [j13204821839:incomingdundi1] Playback {"IA2X/ksuser-5566", "custom/voip-dm04m"} in new stack
[*] - IA2X/ksuser-5566: Playing 'custom/voip-dm04m.g722' (language=en)
[2022-04-12 11:49:48] WARNING[26623]: chan_sip.c:11782 socket_process_helper: Received mini frame before first Full Video frame
[2022-04-12 11:49:48] WARNING[26623]: chan_sip.c:11782 socket_process_helper: Received mini frame before first Full Video frame
[2022-04-12 11:49:48] WARNING[26623]: chan_sip.c:11782 socket_process_helper: Received mini frame before first Full Video frame
[*] Disconnected from Asterisk server
[*] Asterisk cleanly ending (0)
[*] Executing last minute cleanup

```

I have tried to downgrade to an older Asterisk version but no success.

Just for clarification:

I do not want video working via IAX-Trunks, that seems not possible for what reason ever. I just want that Asterisk do not crash when it receives a call from a phone that has video enabled via the trunk.

The same configuration on earlier Asterisk versions (11, 13) is working without any problems.

It seems Asterisk have a problem when frames are lost on the trunk and they arrive in a kind of wrong order. This leads to a crash.

Maybe interesting but very old issue: <https://www.coresecurity.com/core-labs/advisories/asterisk-pbx-truncated-video-frame-vulnerability>

Please help me.

Best Regards

Michael

Attachments

 Asterisk.dump	2.65 MB	15/Apr/21 10:57 AM
 ASTERISK-29392.diff	8 kB	10/May/21 6:17 PM
 Asterisk-Session 2.zip	4.44 MB	15/Apr/21 10:57 AM
 backtrace.txt	77 kB	15/Apr/21 5:27 AM
 backtrace-old.txt	20 kB	15/Apr/21 6:14 AM
 core.freepbx.sangoma.local-2021-04-15T08-45-01+0000-brief-old.txt	17 kB	15/Apr/21 6:14 AM
 core.freepbx.sangoma.local-2021-04-15T08-45-01+0000-full-old.txt	32 kB	15/Apr/21 6:14 AM
 core.freepbx.sangoma.local-2021-04-15T08-45-01+0000-info-old.txt	0.5 kB	15/Apr/21 6:14 AM
 core.freepbx.sangoma.local-2021-04-15T08-45-01+0000-locks-old.txt	0.6 kB	15/Apr/21 6:14 AM
 core.freepbx.sangoma.local-2021-04-15T08-45-01+0000-thread1-old.txt	3 kB	15/Apr/21 6:14 AM
 core.freepbx.sangoma.local-2021-04-15T10-15-37+0000-brief.txt	58 kB	15/Apr/21 5:27 AM
 core.freepbx.sangoma.local-2021-04-15T10-15-37+0000-full.txt	164 kB	15/Apr/21 5:27 AM
 core.freepbx.sangoma.local-2021-04-15T10-15-37+0000-info.txt	19 kB	15/Apr/21 5:27 AM
 core.freepbx.sangoma.local-2021-04-15T10-15-37+0000-locks.txt	0.6 kB	15/Apr/21 5:27 AM
 core.freepbx.sangoma.local-2021-04-15T10-15-37+0000-thread1.txt	18 kB	15/Apr/21 5:27 AM

Issue Links

is a clone of

 SWP-11479 You do not have permission to view this issue

Gerrit Reviews

No reviews matched the request. Check your Options in the drop-down menu of this sections header.

Activity

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 Asterisk Team added a comment - 13/Apr/21 2:43 PM Thanks for creating a report! The issue has entered the triage process. That means the issue will wait in this status until a Bug Marshal has an opportunity to review the issue. Once the issue has been reviewed you will receive comments regarding the next steps towards resolution.

46 older comments

 Friendly Automation added a comment - 22/Jul/21 4:16 PM

Change 16191 merged by Friendly Automation:
AST-2021-008 - chan_iax2: remote crash on unsupported media format
<https://gerrit.asterisk.org/c/asterisk/+16191>

 Friendly Automation added a comment - 22/Jul/21 4:16 PM

Change 16192 merged by Friendly Automation:
AST-2021-008 - chan_iax2: remote crash on unsupported media format
<https://gerrit.asterisk.org/c/asterisk/+16192>

 Friendly Automation added a comment - 22/Jul/21 4:17 PM

Change 16193 merged by Friendly Automation:
AST-2021-008 - chan_iax2: remote crash on unsupported media format
<https://gerrit.asterisk.org/c/asterisk/+16193>

 Friendly Automation added a comment - 22/Jul/21 4:17 PM

Change 16194 merged by Friendly Automation:
AST-2021-008 - chan_iax2: remote crash on unsupported media format
<https://gerrit.asterisk.org/c/asterisk/+16194>

 Friendly Automation added a comment - 23/Jul/21 8:23 AM

People

Assignee:

 Kevin Harwell

Reporter:

 Michael Welk

Issue Participants:

Asterisk Team, Friendly Automation, (3)

Issue Consultant:

Unassigned

Watchers:

 Start watching this issue

Dates

Created:

13/Apr/21 2:43 PM

Updated:

14/Sep/22 10:43 AM

Resolved:

22/Jul/21 3:06 PM