

New issue

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Wifi-Config example installation issue #5

Closed bmeck opened this issue on Dec 2, 2017 · 10 comments

bmeck commented on Dec 2, 2017 • edited

Contributor

I have tried a few examples and have noticed that some things occur when trying to run `wifi-config` using `mcconfig -d -m -p esp` from my MacBook Pro 2015.

- 1. `warning: serialport_set_baudrate: baud rate 921600 may not work` appears consistently
- 2. `install modules failure` shows up after sync hitting 100% sometimes
- I am presuming this relates to `serialport_set_baudrate`
- 3. An exception seems to always occur due to some timer, that shows up even without the module failure.

```
Exception (28):
epc1=0x4022dced epc2=0x00000000 epc3=0x00000000 excvaddr=0x01610029 depc=0x00000000
ctx: cont
sp: 3ffe97a0 end: 3ffe9a70 offset: 01a0
>>>stack>>>
3ffe9940: 3fff839c 0160ffff ffffffff 4022dce7
3ffe9950: 4022dcb4 3ffe9950 00000000 3ffefce4
3ffe9960: ffffffff 3ffe9a9c 3ffe9984 3fff836c
3ffe9970: 3fff838c 3fff839c 00000000 00000000
3ffe9980: 00000000 4022dce6 3ffe9950 3ffefcd4
3ffe9990: 3ffefce4 ffffffff 3ffe9a9c 00000000
3ffe99a0: 3fff83fc 00000000 00000000 00000000
3ffe99b0: 00000000 00000000 00000000 00000000
3ffe99c0: 3fff8514 3fff8514 3ffefff4 3ffefcec
3ffe99d0: 3fff8514 3ffefff4 3ffefefc 3ffe9a9c
3ffe99e0: ffffffff 3ffefce4 3ffefcd4 4022b614
3ffe99f0: 3fffdad0 00000000 3ffe9a94 402517a8
3ffe9a00: 00000000 00000020 00000035 00000003
3ffe9a10: 3fff8514 4025d01c 00000021 3fff839c
3ffe9a20: 3fff835c 00000000 00000000 4025cb40
3ffe9a30: feefeffe feefeffe feefeffe 3ffe9a9c
3ffe9a40: 00000000 00000000 00000001 402514a1
3ffe9a50: 3fffdad0 00000000 3ffe9a94 402514cc
3ffe9a60: feefeffe feefeffe 3ffe8a50 4010011c
<<<stack<<<

# EXCEPTION DESCRIPTION
# Exception 28 LoadProhibited: A load referenced a page mapped with an attribute that does not permit loads

# EXCEPTION LOCATION
# 0x4022dced: reportScan at /Users/bfarias/Documents/moddable/modules/network/wifi/esp/modwifi.c:188

# CALLS
# 0x4022dce7: reportScan at /Users/bfarias/Documents/moddable/modules/network/wifi/esp/modwifi.c:188
# 0x4022dcb4: reportScan at /Users/bfarias/Documents/moddable/modules/network/wifi/esp/modwifi.c:184
# 0x4022dc6e: reportScan at /Users/bfarias/Documents/moddable/modules/network/wifi/esp/modwifi.c:178
# 0x4022b614: modTimersExecute at /Users/bfarias/Documents/moddable/modules/base/timer/mc/timer.c:111
# 0x402517a8: loop at /Users/bfarias/Documents/moddable/build/devices/esp/main.cpp:85
# 0x402514a1: esp_schedule at /Users/bfarias/esp/esp8266-2.3.0/cores/esp8266/core_esp8266_main.cpp:110
# 0x402514cc: loop_wrapper() at /Users/bfarias/esp/esp8266-2.3.0/cores/esp8266/core_esp8266_main.cpp:110
# 0x010011c: cont_norm at /Users/bfarias/esp/esp8266-2.3.0/cores/esp8266/cont.S:109

^[[A^Ccaught signal 2
make: *** [debugmac] Error 1
```

- 4. It fails to load once fully synced and prints `/Users/bfarias/Documents/moddable/modules/piu/MC/piuFont.c (247) # Break: (host): font not found: OpenSans--20! in xsbug.`
- This one seems a bit odd, since my build directory doesn't have that string/file name anywhere, but it does have some other `OpenSans` strings:
- `grep log`

phoddie commented on Dec 3, 2017

Collaborator

- 1. The `serialport_set_baudrate` warning comes from the `esptool` that downloads the binary. It considers [higher baud rates on macOS unreliable](#). Switching to a lower baud rate suppresses the warning, at the cost of longer download times.
- 2. The `install modules failure` warning is due to accidentally leaving `SUPPORT_MODES` enabled in `esp/xsHost.c`. A fix for that is committed.
- 3. I wasn't able to reproduce the `reportScan` crash. In reading the code, it seems possible it could use uninitiated memory in an attempt to skip the first scan record (which was a bad workaround for a bug in an earlier version of the Espressif SDK). I've cleaned that up and it will be up later today.
- 4. I wasn't able to reproduce the `OpenSans--20` problem.

wdimmit commented on Dec 3, 2017

Contributor

When running the keyboard example, I am seeing the `OpenSans--20` failure as well.

phoddie commented on Dec 3, 2017

Collaborator

Thanks, Will. I can reproduce the problem with the `piu/keyboard` example. I fixed it by adding the following line in `PiuStyleLookupFont` at line 196:

```
case 4: c_strcat(buffer, "Regular");break;
```

That change works on ESP and Mac. It works with the `piu/wifi-config` example too, but that worked for me before the change too.

I don't want to commit the change without having Patrick review it first.

PeterJensen commented on Dec 3, 2017

I got the reportScan error as reported by @bmeck, first time I ran it. Second time it worked. After playing around trying to enter a valid SSID I got the traceback again.

phoddie commented on Dec 4, 2017

Collaborator

This commit fixes the problem with `piu/keyboard` Will reported.

rwaldron commented on Dec 5, 2017 • edited

Contributor

I hit the same issue, so I changed:

- tools/mcconfig/make.esp.mk:

```
# serial port configuration
- UPLOAD_SPEED ?= 921600
+ UPLOAD_SPEED ?= 115200
```

And was able to successfully load programs to the ESP8266

phoddie commented on Dec 5, 2017

Collaborator

@rwaldron - I'm curious if what you encountered was the warning that 921600 may not work (which is annoying but not a failure) or an inability to flash at that speed. I work at 921600 with ESP8266. There are occasional failures to connect. but they are rare enough that the speed increase is worth it. Working at 115200 gets tedious pretty quickly - so you might try at least 230400 if you are having problems at the highest speed.

rwaldron commented on Dec 5, 2017

Contributor

@phoddie the operation would stop completely without the change that I made above. I will try 230400 tomorrow and report back!

bmeck commented on Dec 6, 2017

Contributor Author

This seems to be fixed with the updated public branch

 bmeck closed this as completed on Dec 6, 2017

rwaldron commented on Dec 6, 2017

Contributor

the operation would stop completely without the change that I made above.

I've just now restored to 921600 and my attempt to flash was successful (despite the warning).

 kvenux mentioned this issue on Aug 31, 2020

Heap buffer overflow at moddable/xs/sources/xsDebug.c:784 #433

Closed

 kvenux mentioned this issue on Sep 24, 2020

SEGV at moddable/xs/sources/xsSyntactical.c:3499 #463

Closed

 This was referenced on Oct 22, 2020

heap-buffer-overflow at xs/sources/xsBigInt.c:1354 #483

Closed

SEGV at xs/sources/xsAll.c:161 #484

Closed

SEGV at /xs/sources/xsBigInt.c:1182 #485

Closed

 GerHobbelt pushed a commit to GerHobbelt/moddable that referenced this issue on May 7, 2021

 Merge pull request Moddable-OpenSource#5 from agoric-labs/testnet-gc-...

7603d46

Assignees

No one assigned

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

No branches or pull requests

5 participants

