ESP8266 exception 29

Asked 5 years, 1 month ago Active 7 months ago Viewed 9k times



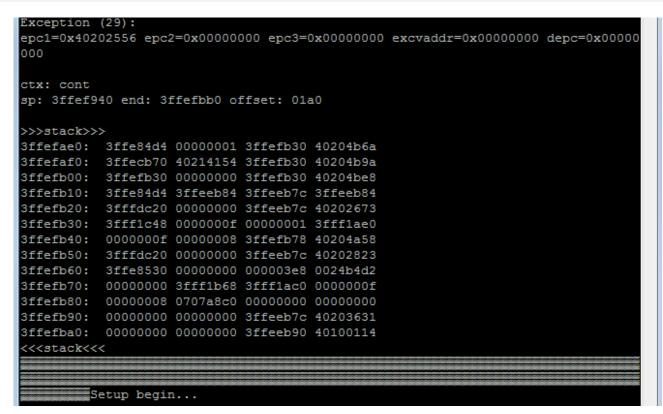












I have Wemos D1 connected to pc in AP mode. When I send a lot of message it give me an exceptión. Baudios: 921600.

arduino esp8266

Share Improve this question Follow



asked Dec 27 '15 at 19:22



I have same issue with esp8266-01. Any solution with Adruino? - Khalil Laleh Jul 16 '16 at 0:22

hi, you have one ore some functions that need a lot of exertion. in me case. I have in arduino a function to splits the mesage that recive from Esp8266 and it make a bottleneck giving that exception. I change split function to .readString() and work it - gonmaster Jul 17 '16 at 10:04

Long time gone, I know. Do you still have your faulty script? I'be curious to see it, because I get the same exception, but I'm running the ESP as Wifi client instead of as an accesspoint. Maybe, we find some matches or have you allready solved the problem? - Sim Son Nov 4 '17 at 17:05

1 Answer





1

I am getting the same exception from my ESP8266, so I did some research. It was tricky to track-down a list of exception codes, but I found one in an ebook published by Neil Kolban and downloadable here: https://leanpub.com/ESP8266_ESP32. (Well worth the \$5 suggested price, IMO.)



Anyway, to your question: Exception 29 is 'storeprohibitedcause,' meaning that your code tried to write to a protected area in memory.

The value given for excvaddr shows the virtual memory address (0x00000000) that caused the exception. Kolban's book gives this link to a map of the ESP8266's memory addresses: http://www.esp8266.com/wiki/doku.php?id=esp8266 memory map.

Your code faulted at program counter (epc1) 0x40202556, information that can help you figure-out what part of your code caused the offending memory write. There are debuggers that you can use to track this down, but, in my own case, I know where the problem is so I haven't researched that avenue any further.

Share Improve this answer Follow

answered Jan 1 '16 at 22:06



Can you elaborate a little more about what debuggers you used? And in addition to that, what your resolution you took? I too have the same problem. – Aditya Talpade Dec 15 '18 at 19:16

@AdityaTalpade, I didn't use any debugger. I just did some digging on the internet, found the ebook I mentioned, and went from there. For whatever it was that I was struggling with (don't remember now), that was enough to let me find the remedy. – t henderson Dec 16 '18 at 20:52