Trying is use a new ESP-WROOM-32 on Arduino IDE 2.1.0

Navdagreat 1 July 21, 2023, 8:39pm

I've recently procured an ESP-WROOM-32 development board and I tried to upload a basic blinking code on it, however there's a compilation error that looks like this:

```
Access is denied.

exit status 1

Compilation error: exit status 1
```

I have tried the following steps to debug:

1. Reinstalled the ESP32 board manager by Espressif Systems
2. Cleared all TEMP files
3. Reinstalled Arduino IDE

I have also tried to do this on the latest version of the IDE (2.1.1) and it throws the same compilation erorr

What could be a possible solution to this? I can't seem to figure it out 😕

MaximoEsfuerzo 2 July 21, 2023, 9:02pm

Try pressing "flash" button before upload the code.

---

ptillisch 3 July 21, 2023, 10:25pm

Hi @Navdagreat . A bug that causes this error message when your Windows user name contains a space was introduced in the 2.0.10 release of the "**esp32**" boards platform. The bug has already been identified and fixed:

> ### 2.0.10 escaping fix
> espressif:release/v2.x ← pillo79:2.0.10-escaping-fix
> opened 10:53PM - 19 Jul 23 UTC   pillo79   +4 -4

```
## Description of Change
Fix escaping issues on 2.0.10 (Windows path and IDE 1. …
```

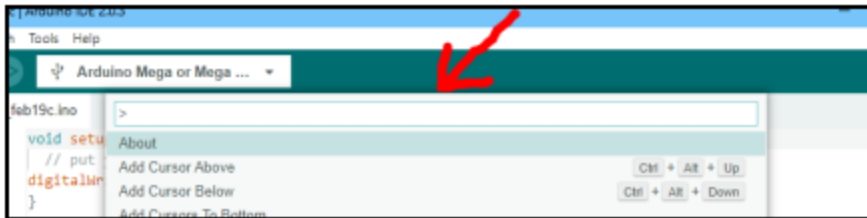That fix will be in the next release of the "**esp32**" boards platform.

The simple solution is to use the Arduino IDE Boards Manager to roll back to the last good version of the platform: 2.0.9. I'll provide instructions you can follow to do that:

1. Select **Tools > Board > Boards Manager** from the Arduino IDE menus to open the "**Boards Manager**" view in the left side panel.
2. Scroll down through the list of boards platforms until you see the "**esp32 by Espressif Systems**" entry.
3. Click the "**INSTALL**" button at the bottom of the entry.
4. Wait for the installation to finish.

Arduino IDE will occasionally notify you that a new version of the boards platform is available, you'll need to refrain from accepting the offer that will cause an update back to the problematic version of the platform. If you find these notifications annoying, you can disable them via the advanced settings. I'll provide instructions for doing that:

1. Press the `Ctrl` + `Shift` + `P` keyboard shortcut (`Command` + `Shift` + `P` for macOS users) to open the "Command Palette".
   A menu will appear on the editor toolbar:

2. Select the "**Preferences: Open Settings (UI)**" command from the menu.
   ⓘ You can scroll down through the list of commands to find it or type the name in the field.
   A "**Preferences**" tab will open in the Arduino IDE main panel.
3. Type `arduino.checkForUpdates` in the "**Search Settings**" field of the "**Preferences**" tab.
4. Uncheck the box under the "**Arduino: Check For Updates**" setting.
5. Close the **Preferences** tab by clicking its **X** icon.

If you disable the automatic update check, make sure to periodically do a manual check for newer versions of Arduino IDE and your installed boards platforms and libraries. You can check for new versions of Arduino IDE by selecting **Help > Check for Arduino IDE Updates** from the Arduino IDE menus. You can check for new versions of boards platforms and libraries by selecting "**Updatable**" from the "**Type**" menu in the **Boards Manager** and **Library Manager** views.

Alternatively, you can keep your 2.0.10 installation of the "**esp32**" boards platform and apply the fix manually. I provided instructions for doing that here:

Compiling for ESP32 fails: "Access is denied."

OK, here you go: Use Arduino IDE Boards Manager to install version 2.0.10 of the esp32 boards platform if you already rolled back to a previous version. Select File > New Sketch from the Arduino IDE menus. Select any ESP32 board from the Arduino IDE Tools > Board menu. Select Sketch > Verify/Compile from the Arduino IDE menus. Wait for the compilation to finish. Scroll the black output panel at the bottom of the Arduino IDE window all the way up to the top. Look for the line that starts with…

2 Likes

Navdagreat 4   July 22, 2023, 5:16pm

Hey, thanks so much for your reply, it worked like a charm!
For some reason, Arduino IDE 2.1.0 was not letting me roll back to the previous version of the esp32 boards, however, the manual solution did suffice.

1 Like

---

ptillisch 5   July 24, 2023, 11:34pm

I have an update with good news! The esp32 boards platform developers made a new release today with the fix. So the workarounds I described in my previous reply are no longer necessary. You can simply update to the 2.0.11 release of the platform:

1. Select **Tools > Board > Boards Manager** from the Arduino IDE menus to open the "**Boards Manager**" view in the left side panel.
2. Scroll down through the list of boards platforms until you see the "**esp32 by Espressif Systems**" entry.
3. Click the "**UPDATE**" button at the bottom of the entry.
4. Wait for the update to finish.

If you disabled update notifications in the advanced settings according to the instructions I provided in my previous reply, I recommend enabling them again. You can do that by performing the instructions again, only this time when you reach step (4):

> ptillisch:
>
> 4. Uncheck the box under the "**Arduino: Check For Updates**" setting.

check the box instead of unchecking it.

---

system Closed 6   January 20, 2024, 11:34pm

This topic was automatically closed 180 days after the last reply. New replies are no longer allowed.

Related Topics

Topic	Replies	Activity
Using ESP-32-PICO-D4	4	January 21, 2024
Compiling for ESP32 fails: "Access is denied."	24	January 20, 2024
Error compiling for ESP32 : & was unexpected exit status 1	4	January 25, 2023
Compilation Error Exit status 1	3	June 22, 2024
Compiles but will not upload (This may be a dup)	8	December 25, 2023