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Issue with device-specs/specs-avr128db48

Error when uploading to the AVR128DB48

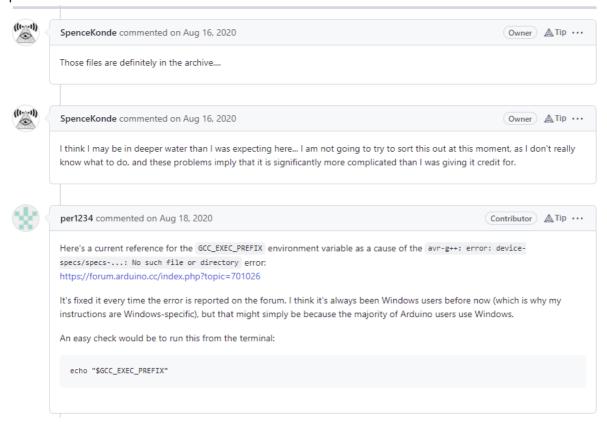
```
C:\Program Files (x86)\Arduino\arduino-builder -dump-prefs -logger=machine -
hardware C:\Program Files (x86)\Arduino\hardware -hardware
C:\Users\paulm\AppData\Local\Arduino15\packages -tools C:\Program Files
(x86)\Arduino\tools-builder -tools C:\Program Files
(x86)\Arduino\hardware\tools\avr -tools
C:\Users\paulm\AppData\Local\Arduino15\packages -built-in-libraries C:\Program
Files (x86)\Arduino\libraries -libraries
C:\Users\paulm\OneDrive\Documents\Arduino\libraries -
fqbn=Microchip:megaavr:avrdb:chip=avr128db48 -vid-pid=03EB_2175 -ide-version=10819
-build-path C:\Users\paulm\AppData\Local\Temp\arduino_build_595628 -warnings=none
-build-cache C:\Users\paulm\AppData\Local\Temp\arduino_cache_602275 -
prefs=build.warn_data_percentage=75 -
prefs=runtime.tools.avrdude.path=C:\Users\paulm\AppData\Local\Arduino15\packages\a
rduino\tools\avrdude\6.3.0-arduino18 -prefs=runtime.tools.avrdude-6.3.0-
arduino18.path=C:\Users\paulm\AppData\Local\Arduino15\packages\arduino\tools\avrdu
de\6.3.0-arduino18 -verbose
C:\Users\paulm\AppData\Local\Temp\untitled2006265873.tmp\sketch_feb13a\sketch_feb1
C:\Program Files (x86)\Arduino\arduino-builder -compile -logger=machine -hardware
C:\Program Files (x86)\Arduino\hardware -hardware
C:\Users\paulm\AppData\Local\Arduino15\packages -tools C:\Program Files
(x86)\Arduino\tools-builder -tools C:\Program Files
(x86)\Arduino\hardware\tools\avr -tools
C:\Users\paulm\AppData\Local\Arduino15\packages -built-in-libraries C:\Program
Files (x86)\Arduino\libraries -libraries
C:\Users\paulm\OneDrive\Documents\Arduino\libraries -
fqbn=Microchip:megaavr:avrdb:chip=avr128db48 -vid-pid=03EB 2175 -ide-version=10819
-build-path C:\Users\paulm\AppData\Local\Temp\arduino_build_595628 -warnings=none
-build-cache C:\Users\paulm\AppData\Local\Temp\arduino cache 602275 -
prefs=build.warn data percentage=75 -
prefs=runtime.tools.avrdude.path=C:\Users\paulm\AppData\Local\Arduino15\packages\a
rduino\tools\avrdude\6.3.0-arduino18 -prefs=runtime.tools.avrdude-6.3.0-
arduino18.path=C:\Users\paulm\AppData\Local\Arduino15\packages\arduino\tools\avrdu
de\6.3.0-arduino18 -verbose
C:\Users\paulm\AppData\Local\Temp\untitled2006265873.tmp\sketch_feb13a\sketch_feb1
3a.ino
Using board 'avrdb' from platform in folder:
C:\Users\paulm\AppData\Local\Arduino15\packages\Microchip\hardware\megaavr\1.0.1
Using core 'dxcore' from platform in folder:
C:\Users\paulm\AppData\Local\Arduino15\packages\Microchip\hardware\megaavr\1.0.1
Detecting libraries used...
"C:\\Program Files (x86)\\Arduino\\hardware\\tools\\avr/bin/avr-g++" -c -g -Os -
Wall -std=gnu++17 -fpermissive -Wno-sized-deallocation -fno-exceptions -ffunction-
sections -fdata-sections -fno-threadsafe-statics -Wno-error=narrowing -flto -
mrelax -w -x c++ -E -CC -mmcu=avr128db48 -DF_CPU=24000000L -DCLOCK_SOURCE=0 -
DCORE ATTACH ALL -DTWI MORS SINGLE -DMILLIS USE TIMERB2 -DARDUINO=10819 -
```

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```
DARDUINO_avrdb -DARDUINO_ARCH_MEGAAVR "-DDXCORE=\"1.0.1\"" -DDXCORE_MAJOR=1UL -
DDXCORE MINOR=0UL -DDXCORE PATCH=1UL -DDXCORE RELEASED=0 "-
IC:\\Users\\paulm\\AppData\\Local\\Arduino15\\packages\\Microchip\\hardware\\megaa
vr\\1.0.1\\cores\\dxcore/api/deprecated" "-
IC:\\Users\\paulm\\AppData\\Local\\Arduino15\\packages\\Microchip\\hardware\\megaa
vr\\1.0.1\\cores\\dxcore" "-
IC:\\Users\\paulm\\AppData\\Local\\Arduino15\\packages\\Microchip\\hardware\\megaa
vr\\1.0.1\\variants\\48pin-standard"
"C:\\Users\\paulm\\AppData\\Local\\Temp\\arduino_build_595628\\sketch\\sketch_feb1
3a.ino.cpp" -o nul
Error while detecting libraries included by
C:\Users\paulm\AppData\Local\Temp\arduino_build_595628\sketch\sketch_feb13a.ino.cp
Generating function prototypes...
"C:\\Program Files (x86)\\Arduino\\hardware\\tools\\avr/bin/avr-g++" -c -g -Os -
Wall -std=gnu++17 -fpermissive -Wno-sized-deallocation -fno-exceptions -ffunction-
sections -fdata-sections -fno-threadsafe-statics -Wno-error=narrowing -flto -
mrelax -w -x c++ -E -CC -mmcu=avr128db48 -DF CPU=24000000L -DCLOCK SOURCE=0 -
DCORE ATTACH ALL -DTWI MORS SINGLE -DMILLIS USE TIMERB2 -DARDUINO=10819 -
DARDUINO_avrdb -DARDUINO_ARCH_MEGAAVR "-DDXCORE=\"1.0.1\"" -DDXCORE_MAJOR=1UL -
DDXCORE_MINOR=0UL -DDXCORE_PATCH=1UL -DDXCORE_RELEASED=0 "-
IC:\\Users\\paulm\\AppData\\Local\\Arduino15\\packages\\Microchip\\hardware\\megaa
vr\\1.0.1\\cores\\dxcore/api/deprecated" "-
IC:\\Users\\paulm\\AppData\\Local\\Arduino15\\packages\\Microchip\\hardware\\megaa
vr\\1.0.1\\cores\\dxcore" "-
IC:\\Users\\paulm\\AppData\\Local\\Arduino15\\packages\\Microchip\\hardware\\megaa
vr\\1.0.1\\variants\\48pin-standard"
"C:\\Users\\paulm\\AppData\\Local\\Temp\\arduino_build_595628\\sketch\\sketch_feb1
3a.ino.cpp" -o
"C:\\Users\\paulm\\AppData\\Local\\Temp\\arduino_build_595628\\preproc\\ctags_targ
et for gcc minus e.cpp"
avr-g++: error: device-specs/specs-avr128db48: No such file or directory
exit status 1
Error compiling for board AVR128DB48 Curiosity Nano.
```

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Spence Konde has encountered this error before:



Possible Reasons for the Error

When Spence's original DxCore is install alongside Team 25's repo, the IDE is then capable of uploading a sketch to the AVR128DB48. It appears the IDE will use the avr-gcc tool that is installed with the DxCore rather than the default version that is downloaded with the IDE.

Before the DxCore is installed:

```
"C:\\Program Files (x86)\\Arduino\\hardware\\tools\\avr/bin/avr-g++"
```

After the DxCore is installed:

```
"C:\\Users\\paulm\\AppData\\Local\\Arduino15\\packages\\DxCore\\tools\\avr-
gcc\\7.3.0-atmel3.6.1-azduino4b/bin/avr-gcc"
```

The IDE chooses this version automatically even though it is not associated with the Microchip core package.

Possible Fixes

The Microchip core package needs to function properly without requiring users to also download the DxCore. For this reason, the JSON file must be updated to allow for the 7.3.0-atmel3.6.1-azduino4b to be downloaded into the Team's tools folder. The IDE will install this tool when the core package is downloaded if a reference to the tool is made in the JSON file.

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```
{
             "packages": [
                          {
                                       },
"platforms": [
                                                                   "name": "Team 25 core",
"architecture": "megaavr",
                                                                   "architecture": "megaavr",

"version": "1.0.1",

"category": "Contributed",

"url": "https://github.com/Emsloan/Microchip-DA48/archive/refs/heads/master.zip",

"archiveFileName": "Microchip-DA48-master.zip",

"checksum": "SHA-256:875c5a46e038a3ff9a102a30186dd75905fa83ccb43026b01052f61ef06b2568",

"size": "133000",

"boards": [
                                                                                {
                                                                                              "name": "AVR128DA48"
                                                                                              "name": "AVR128DB48"
                                                                                }
                                                                   ],
"toolsDependencies": [
                                                                                              "packager": "arduino",
"name": "avrdude",
"version": "6.3.0-arduino18"
                                                                                }
                  }
"tools": []
}
       ]
```