freertos on STARF: switch context error <mark>Awaiting Agent</mark>

- yl yingchun li
- **Forum name:** #Debugging

Hi, Experts

I have a board running freertos(version is V10.2.0), and the cpu

is STARF(chinese version arm cortex-m33)

Now I can connect the board, and list all the tasks, and can "display details", "display task struct" from menu, but if I used the "display Stack Frame" or "Switch context", it failed "fatel error". the message window says: "Warning: Register name cpsr unknown!".

Here is my simple scripts:

system.state

system.cpu STARF

system.JtagClock 4M

SYStem.CONFIG.DEBUGPORTTYPE SWD

system.Attach

break

perf.arm

PERF.Mode TASK

MENU.ReProgram ~~/demo/arm/kernel/freertos/freertos.men

task.config ~~/demo/arm/kernel/freertos/freertos.t32

Please give some clue, thanks a lot.

Br,

Yingchun Li

Comments (4)

yl **yingchun li**

1 year ago

corter-m33 doesn't have CPSR register, it only has XPSR register.

Oussema Koubaa

1 year ago

Hello, To ensure a proper support of this core, I need you to send me the ELF file you are working with. In this case, please open a new ticket:

"https://support.lauterbach.com/new-ticket". Best Regards,

yl **yingchun li**

1 year ago

Hi, I have created a ticket, and also attach a simple elf, with three tasks, pls check it. Thanks! Br, Yingchun Li

yl **yingchun li**

1 year ago

If I force the cpu type to CORTEXM33, even if there is a warning, but seem the "context switch " works. Br, Yingchun Li