Subject: Porting upp Core to ESPE32/FreeRTOS
Posted by kohait00 on Sat, 24 Feb 2024 10:50:03 GMT
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Hi guys

I think it's time for upp to put a foot in the embedded / IoT world..

Having spent some time in ESP32 / FreeRTOS, I consider it quite possible to have upp console appocations be able to run as tasks inside the respective environment.

Why esp32 / FREERTOS: They represent both currently very popular choices that can be found in other environments too.

This means of corse porting Core to FreeRTOS.

Do we have a sort of porting guide or collection of typical construction/adaption sites?

I remember

config.h
Defs.h
Mt
LocalProcess
App.h

And of course

Core.h

The changes would very likely be

* processor adaption (endianness, types,..)
* OS adaption (task, locks, memory management,..)
* replacing tools or mapping to existing counterparts