

Bringing RIoT-OS to the RIoTboard

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Softwareproject - Telematics, 2014



- Designed for developing
- ► Cortex-A9-based
- ► Freescale i.MX6-architecture
- ► Co-processing power
- ► Many different interfaces



- Automotive
- ► Industrial
- ► Handheld consoles
- ► Easy developement



- Assess the situation
- ▶ Try running anything on the board
- ► Run our own code
- ► Get a framework to run
- Split to work on different components individually

## The Original Plan:



- ► UART I/O for debugging and shell communication
- ► Timer(s) so the kernel can run
- Interrupts
- ► Set up a stack
- ▶ Build it successfully (probably the hardest part :-) )



- ► The UART
- ▶ Timers
- Interrupts



- ► Going from u-boot to SDK
- ► The UART initialisation process



- ▶ Try altering IOMux-configurations for other boards
- ▶ JTAG-debugging