

“Building a Chain of Trust” Follow-up and resources

ARM

May 2017

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How to continue?

Where to find ARM mbed documentation?

- Documentation for mbed OS can be found at <https://docs.mbed.com>

mbed Documentation

mbd OS Handbook

mbd OS API Reference

mbd Client Getting Started Guide

mbd Client API

mbd Connector REST API

uVisor API

uVisor examples

mbd TLS API

mbd TLS examples

Other resources

mbd Hardware Development Kit

List of examples

Previous versions

mbd OS 2.0 Handbook

ARM mbed OS is a platform operating system for the internet of things.

Start here to learn how to build applications that run on top of mbed OS.

There are three ways to get started with mbed OS. The easiest and quickest way is to use our mbed Online Compiler. Alternatively, you can use our command-line interface (mbed CLI) or a third party development environment.

Follow the tutorial below to build a simple Blinky example in your choice of environment.

mbd OS Blinky Example

Development tools for mbed OS

If you're using mbed for the first time, we recommend that you use our Online Compiler to explore. It handles your projects, builds them and exports them to other IDEs or your desktop to make your life as easy as possible.

Online Compiler

Use our online IDE to quickly import and build programs.

Online IDE »

Command-line

Use the mbed Command-line Interface to work with mbed OS directly.

mbed CLI »

Third Party IDEs

Projects can also be exported for use with IDEs including Keil MDK and IAR Embedded Workbench.

Other IDEs »

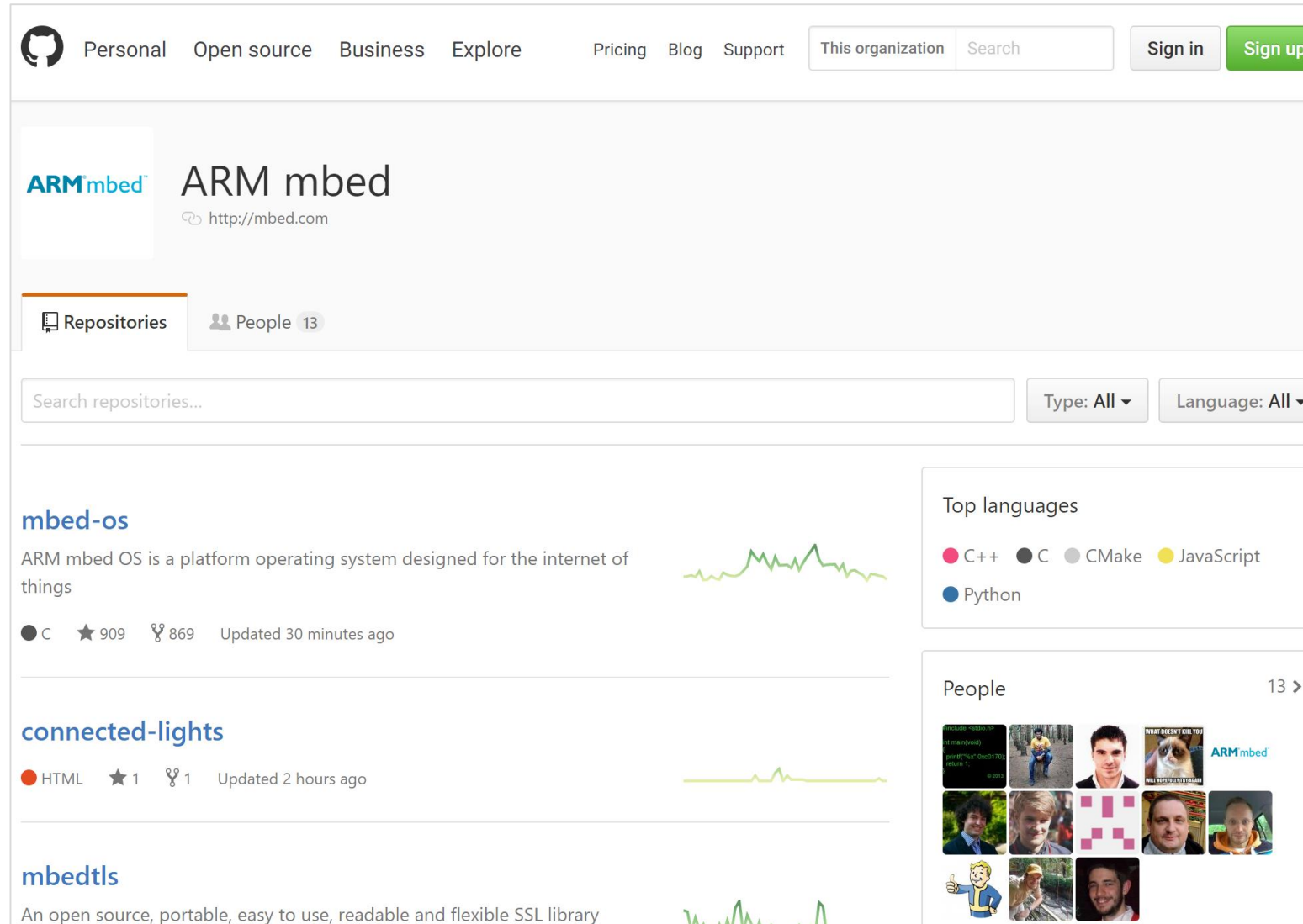
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Other useful resources

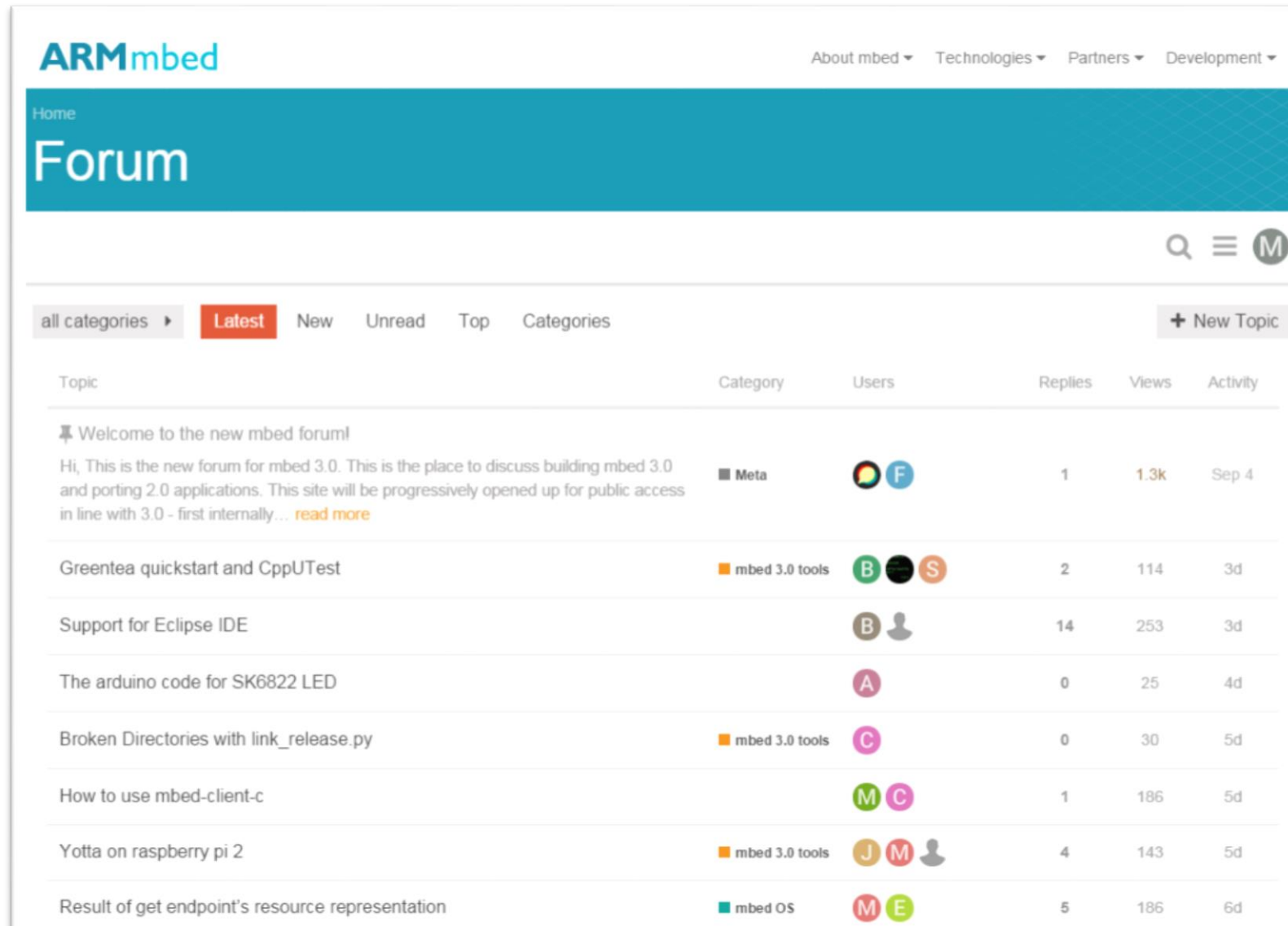
- ARM mbed GitHub: <https://github.com/ARMmbed>



The screenshot shows the GitHub organization page for ARM mbed. At the top, there's a navigation bar with links for Personal, Open source, Business, Explore, Pricing, Blog, and Support. On the right, there are buttons for 'This organization', 'Search', 'Sign in', and 'Sign up'. Below the navigation bar, the organization's name 'ARM mbed' is displayed with its logo and website URL 'http://mbed.com'. A tab bar shows 'Repositories' and 'People 13'. A search bar for repositories is present, along with filters for 'Type: All' and 'Language: All'. The main content area lists repositories: 'mbed-os' (C, 909 stars, 869 forks, updated 30 minutes ago), 'connected-lights' (HTML, 1 star, 1 fork, updated 2 hours ago), and 'mbedtls' (An open source, portable, easy to use, readable and flexible SSL library). A 'Top languages' section shows C++, C, CMake, JavaScript, and Python. A 'People' section displays 13 team members' avatars.

Other useful resources

- ARM mbed Forums: <http://developer.mbed.org/forum>



The screenshot shows the ARM mbed Forum homepage. At the top, there's a navigation bar with the ARM mbed logo and links for 'About mbed', 'Technologies', 'Partners', and 'Development'. Below this is a large blue header with 'Home' and 'Forum'. To the right of the header are search, menu, and user profile icons. Below the header is a filter bar with 'all categories', 'Latest' (highlighted), 'New', 'Unread', 'Top', and 'Categories'. A '+ New Topic' button is on the right. The main content is a table of forum topics.

Topic	Category	Users	Replies	Views	Activity
<p>📌 Welcome to the new mbed forum!</p> <p>Hi, This is the new forum for mbed 3.0. This is the place to discuss building mbed 3.0 and porting 2.0 applications. This site will be progressively opened up for public access in line with 3.0 - first internally... read more</p>	Meta		1	1.3k	Sep 4
Greentea quickstart and CppUTest	mbed 3.0 tools		2	114	3d
Support for Eclipse IDE			14	253	3d
The arduino code for SK6822 LED			0	25	4d
Broken Directories with link_release.py	mbed 3.0 tools		0	30	5d
How to use mbed-client-c			1	186	5d
Yotta on raspberry pi 2	mbed 3.0 tools		4	143	5d
Result of get endpoint's resource representation	mbed OS		5	186	6d

Other useful resources

- ARM mbed Blogs: <https://developer.mbed.org/blog>

ARMmbed Developer Resources Partners Cloud

Hardware ▾ Documentation ▾ Code Questions Forum | Log In/Signup Compiler



Blog

mbed Blog

Simplify your code with mbed-events

Edit entry

Preview notification

Posted 19 Dec 2016, by  **Jan Jongboom**. [post a reply](#)  [mbed OS 5](#), [mbed-events](#)

In mbed OS 5.2, we introduced [mbed-events](#), an eventing system that can run in an RTOS thread. Using an event loop is very useful to defer execution of code to a different context. An example would be to defer execution from an interrupt context (ISR) to the main loop, or to defer execution from the high-priority thread to a lower priority thread. Now that mbed-events is part of mbed OS 5.2, we'd like to show how this can be used to improve your applications.



For more information about the mbed-events library, have a look at [the documentation](#). All code in this blog post was tested against mbed OS 5.2.3.

[Continue reading »](#)

Why JavaScript on microcontrollers makes sense

Edit entry

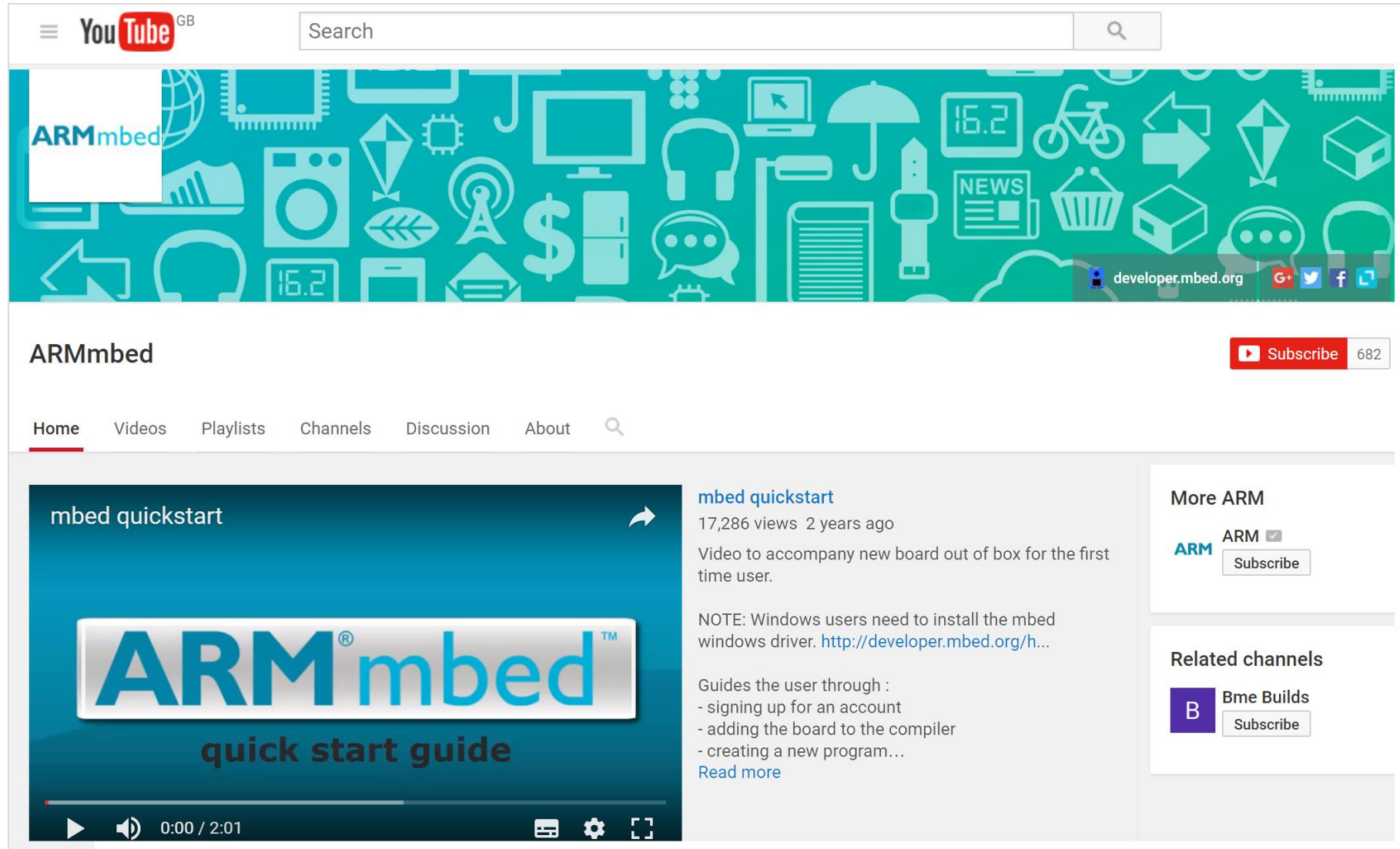
Preview notification

Posted 16 Dec 2016, by  **Jan Jongboom**. [post a reply](#)  [javascript](#), [jerryscript](#)

Three weeks ago, during [JSConf.asia 2016](#), we announced [JavaScript on mbed](#), which enables developers to write firmware for IoT devices in JavaScript. This is not done by transpiling JavaScript into C++ or Assembly, but rather by running the [JerryScript VM](#) directly on top of ARM's mbed OS 5, which can be run on cost-effective microcontrollers. This announcement caused

Other useful resources

- ARM mbed YouTube channel: <https://www.youtube.com/ARMmbed>



Thanks!



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