**[Getting Started with Agora and Mbed OS](https://docs.embeddedplanet.com/blog/2020/06/29/getting-started-with-agora-and-mbed-os)**

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With [Mbed OS](https://os.mbed.com/), ARM has gone to great lengths to make developing IoT-focused applications as painless as possible and has built in support for, among other functionalities, networking and BLE. From a getting-started example application perspective, Embedded Planet recommends the following examples:

* [mbed-os-example-blinky](https://github.com/ARMmbed/mbed-os-example-blinky): Simple getting-started application that just blinks an LED
* [mbed-os-example-ble](https://github.com/ARMmbed/mbed-os-example-ble): Collection of BLE-focused examples which has support for our board (EP\_AGORA) out of the box.
* [mbed-os-example-cellular](https://github.com/ARMmbed/mbed-os-example-cellular): Simple cellular-based networking example that also has support for our board (EP\_AGORA) out of the box. This example utilizes an “echo” server that ARM has set up to relay back packets sent over UDP or TCP to verify cellular connectivity at a basic level.
* [mbed-os-example-pelion](https://github.com/ARMmbed/mbed-os-example-pelion): Simple example application which demonstrates connectivity to ARM's [Pelion Device Management](https://www.pelion.com/) solution and has built-in support for our board (EP\_AGORA). This example supports:
	+ Securely connecting to the Pelion servers via cellular
	+ Sending data up to the Pelion servers
	+ Sending commands down to the device from the Pelion portal
	+ Triggering secure firmware updates down to the device
* [Azure IoT Hub example](https://os.mbed.com/users/coisme/notebook/azure-iot-hub-from-mbed-os-device/): Uses MQTT over TLS to securely connect to Microsoft’s Azure IoT Hub
* [MQTT example](https://github.com/ARMmbed/mbed-mqtt): MQTT, MQTT-SN library
* [HTTP/HTTPS example](https://os.mbed.com/teams/sandbox/code/http-example/): Examples for performing HTTP(S) POSTs, PUTs, GETs, .etc.
* [CoAP example](https://os.mbed.com/teams/sandbox/code/coap-example/): CoAP client application

ARM also provides an IDE called [Mbed Studio](https://os.mbed.com/studio/) which supports debugging and comes with ARM’s AC6 compiler. If you’d like to have more granular control of the build process or export a project to an IDE you’re more comfortable with, there’s also support for the [Mbed CLI tools](https://os.mbed.com/docs/mbed-os/v6.0/build-tools/mbed-cli.html).