



arm

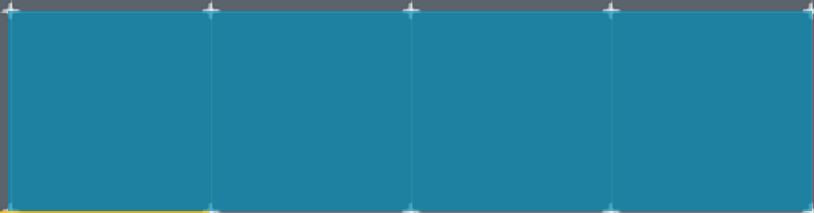
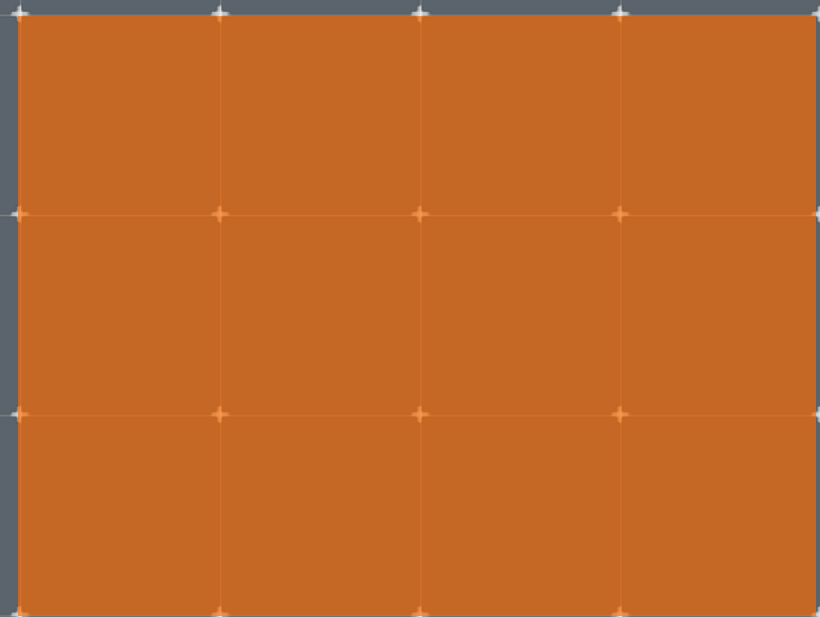
Arm & Advantech

WISE-3610 Integration Workshop
September 2017

Paul Rutter – Principal Project Manager

Sam Chu – Partner Enablement Lead

Introductions and who's who



Goals for the workshop

Why are we here?

To enable Advantech to have:

1. A successful **initial** product launch of the WISE-3610 connected to Mbed Cloud services
 - Enabling WISE-3610 firmware to be updated using the Mbed Cloud management platform. This will not prevent the gateway also being used with additional application development platforms such as (Azure, etc) if desired
2. Add to #1, full Mbed Cloud device management capabilities for managing devices behind the gateway through the integration of Mbed Cloud Edge
 - We will be giving you a preview hands-on with where we are so far with Mbed Cloud Edge

High-level goals for the next 3 days!

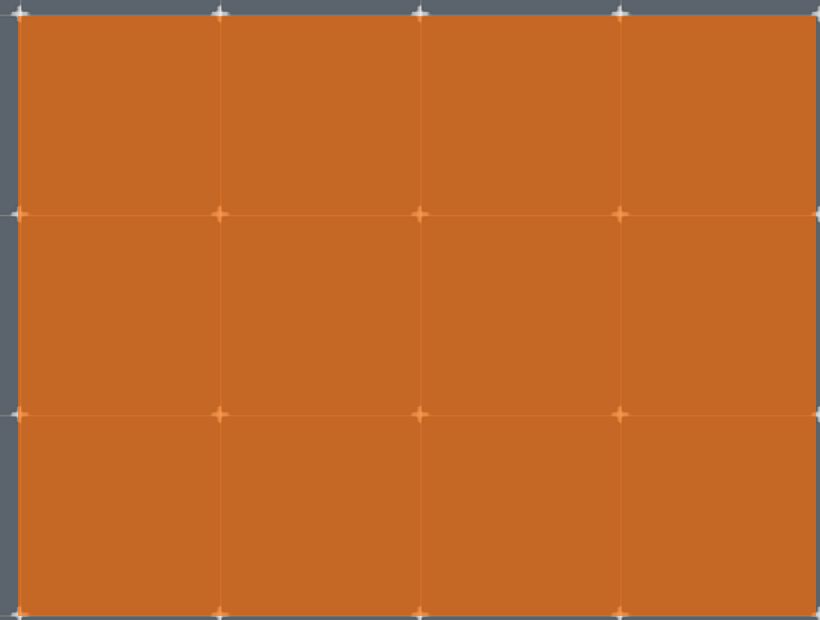
Provide Advantech with information, support, expertise and technical hands-on sessions to learn how to:

- Prepare a WISE-3610 device for connecting to Mbed Cloud (factory provisioning flow)
- Integrate Mbed Cloud Client (with Update) on WISE-3610 hardware and SDK
- Learn how Mbed Cloud Update works on the WISE-3610
- Follow practical walk-through examples of using Mbed Cloud Services (Portal, APIs and SDKs)
- Preview of Mbed Cloud Edge (GW-A) on 3610, discovering gateways using Mbed Cloud and discovering connected end-points connected to the gateway
- Understand the Mbed Cloud Edge protocol translation API and how to start integration with it

Important

- We will be using production Mbed Cloud Services 1.2 (lead partner access) – which we are targeting general availability release for end of October.
- We will be using a pre-production version of Mbed Cloud Client ported to the WISE-3610, which can be used for evaluation purposes only. We will be targeting a production ready release for the end of October.
- We will be using a very early access release of Mbed Cloud Edge. Production release date to be confirmed.

Schedule



Schedule of workshop - TUESDAY

Session Number	Details	Who	Day	Approximate timings
1	Introduction: Scene setting and goals for the camp (now!)	Paul and Sam	Tuesday	9:30-10am
2	Mbed Cloud Client Factory Provisioning: - Preparing client for Mbed Cloud (factory provisioning) - Integration hands-on based on production release & target (WISE-3610/OpenWRT)	Nimrod and Alvin	Tuesday	10am-1pm (morning)
	LUNCH			1-2pm
3	WISE-3610 walk-thru with Mbed Cloud services: Examples through Portal - Take a device through the workflow: <ul style="list-style-type: none">- Device power-up- Bootstrap & registration- Device discoverability- Firmware Update And, how to create new workflows using. <ul style="list-style-type: none">- APIs- Javascript SDK	Arek	Tuesday	Half-day

Schedule of workshop – WEDNESDAY

Session Number	Details	Who	Day	Approximate timings
4	Mbed Cloud Edge: - Product recap and overview	Karthik and Janne	Wednesday	9:30-11:30am
5	Mbed Cloud Edge: - How to discover your gateways using mbed Cloud (using API key and REST API). - How to discover connected end-points connected to a gateway (using API key and REST API). - Error codes and debugging - Integration hands-on and code & example walk-thru	Janne and Jaakko	Wednesday	11:30am onwards

Schedule of workshop - THURSDAY

Session Number	Details	Who	Day	Approximate timings
6	Mbed Cloud Client Linux Update: - Update implementation on WISE-3610 - Integration hands-on based on production release & target (WISE-3610/OpenWRT)	Marcus, Dan and Leo	Thursday	9:30-1pm
	LUNCH			
8	Wash-up and review: - Any issues - Questions - Actions - Next steps	Paul, Sam, session leads	Thursday	1-4pm
	Workshop close			4pm

arm

The Arm trademarks featured in this presentation are registered trademarks or trademarks of Arm Limited (or its subsidiaries) in the US and/or elsewhere. All rights reserved. All other marks featured may be trademarks of their respective owners.

www.arm.com/company/policies/trademarks

Thank You!

Danke!

Merci!

谢谢!

ありがとう!

Gracias!

Kiitos!

감사합니다

धन्यवाद

arm