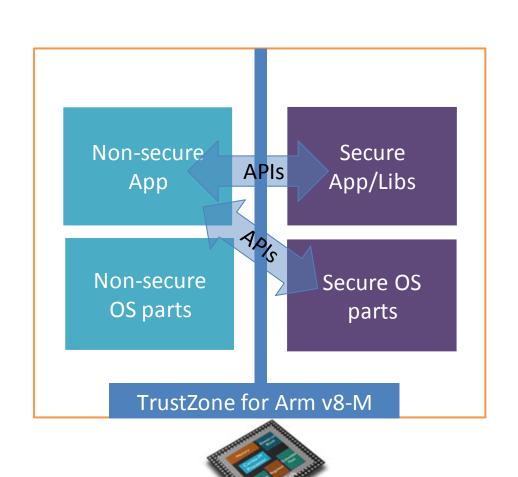
Attestation Roadmap

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Authentication & Identity
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Platform Security Architecture (PSA)

- loT security desperately needed.
- PSA aims to offer guidance + designs + software
- Open Source project: Arm
 Trusted Firmware-M
- Arm v8-M with TrustZone support
- APIs currently being defined
 - Crypto API published
 - Attestation API planned for 1Q 2019



Attestation

- Many existing attestation efforts:
 - Trusted Computing Group (TCG): Trusted Platform Module (TPM)
 - Android
 - FIDO
 - Global Platform
 - •
- Expressed interest for some convergence towards IETF
 EAT
 - CWT / JWT based container
 - CWT preferred in constrained environments (token size, RAM/Code requirements)

Roadmap

- EAT is the starting point
- Interoperability Model
- Trust Model(s)
- Protocols
 - Remote Attestation
 - Integration with Enrollment / Credentialing / On-boarding
 - Integration with Authentication
 - Integration with Authorization

Parting thoughts

- Increasingly disaggregated systems (Cloud, IoT, Web) with many components.
- Attestation is a building block for trust in connected systems.