

RA Ecosystem Partner Solution Security from Inception Suite



Solution Summary

The Security from Inception Suite provides companies with a straightforward way of building the right level of security for their application needs throughout the development, manufacturing, and product management process.

Features/Benefits

- Software and Hardware Tools
 - Embedded Trust – Security Development Environment
 - C-Trust – integrating security in the workflow
 - Secure Desktop Provisioner – Secure development and prototyping
 - IAR Embedded Workbench – Complete C/C++ compiler and debugger toolchain
 - C-STAT – integrated static code analysis
 - I-jet – industry-leading high-speed in-circuit debugging probe
- Training Resources with Topics Like:
 - Impact of Legislation & Security on IoT
 - Managing Intellectual Property & Inhibiting Overproduction
- Custom Design Review
 - Identifying potential risks and establishing threat model
 - Creating custom security implementation

Diagrams/Graphics



Target Markets and Applications

- Industrial automation
- Automotive
- Consumer electronics
- Medical technology and wearables
- Smart metering



Start your security journey!

To help companies in building the right level of security for their needs, Secure Thingz and IAR Systems offer the Security from Inception Suite, which is a unique set of tools and services for implementing and customizing security in embedded applications. The Security from Inception Suite supports [Renesas RA](#) microcontrollers as well as the [Renesas RX](#) microcontroller family.

Global domain experts in device security, embedded systems, and lifecycle management

Secure Thingz, Inc. is the global domain expert in device security, embedded systems, and lifecycle management. Since 2018, the company is part of IAR Systems, the future-proof supplier and software tools for embedded development. Secure Thingz solutions ensure a cost-efficient root of trust in low-cost microcontrollers to deliver a core set of critical services through the product lifecycle, alongside secure deployment, production and update infrastructure. Secure Thingz is a founding member and Executive Board member of [the Internet of Things Security Foundation](#), the leading global organization for IoT Security.

The Security From Inception Suite includes a wide array of training resources suitable for developers, management and corporate leadership looking to understand how security will impact their businesses. It is structured in different sets of training, enabling developers to gain a clear overview of demands, but also ensuring that other stakeholders, such as the Corporate Information and Security (CISO) functions, can align with product security demands.

Our Custom Design Review supports a review of the organization’s security requirements and implementation. Starting with a review of the potential risks and threat model, including what requires protection, and from whom, the review then will support the creation of custom [Security Context Profiles](#) to best meet the market need.

Available training	BASIC EDITION	ADVANCED EDITION	PREMIERE EDITION
Basic Embedded Security – 2 days <i>Suitable for organizations who are new to security</i> Topics <ul style="list-style-type: none"> Developing IoT Applications with Embedded Trust & C-Trust Impact of legislation & security on IoT applications Managing Intellectual Property & Inhibiting Overproduction 	2 seats at scheduled training	2 seats at scheduled training	Up to 8 seats, on-site training
Advanced Embedded Security – 1 day <i>Suitable for organizations who want to get a deeper understanding of security</i> Topics <ul style="list-style-type: none"> Introduction to IoT Cryptography & Security Practices Implementing the 13 Best Security Practices 		2 seats at scheduled training	Up to 8 seats, on-site training
Premiere Training or Design review – 1 day <i>Suitable for organizations who want to dig deep into different security mechanisms and/or want a custom design review</i> Choose 2 of the following topics <ul style="list-style-type: none"> Embedded Security - Device Authentication Embedded Security - PKI Techniques Custom Design Review <i>Our Design Review team will work with your development staff to help define the protection profile your system requires, and how to optimally implement security to meet your commercial goals.</i>			Up to 8 seats, on-site training and review