

SCRATCH

Objectives

Development and operation of secure, large-scale IoT systems is hard and current technologies insufficiently address the major concerns of today's software-intensive systems: security, agility and a need for continuous deployment. SCRATCH proposes an integrative approach to IoT, security and DevOps practices through a set of interoperable tools (toolkit) based on a common conceptual architecture and consisting of the following elements:

- **Hardware security foundation** for strong device identity
- **DevOps tools** for development / continuous deployment of IoT solutions
- A **SecDevOps-inspired process** facilitating security and reliability

Use Cases

- **Connected Retail:** secure continuous deployment and operations of tomorrow's IoT based retail store
- **Police:** redesign of an existing mobile surveillance platform addressing secure storage, streaming and provisioning
- **Smart Grids:** development of anti-fraud algorithms, blockchain implementations and other security mechanisms

- **Website:** <https://scratch-itea3.eu>
- **Email:** contact@scratch-itea3.eu
- **Coordinator:** Andries Stam, Almende BV

Contact

