



## Training IoT and Security (1 day)

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### Day 1

#### 📁 **Secure System Design Principles**

Security by design, not by “module”

#### 📁 **Secure System Basics**

Process isolation, multi user concept, capabilities, namespaces, MAC ...

#### 📁 **Secure Boot**

HAB, U-boot/Barebox, integrity measurement

#### 📁 **Network Security**

IPtables, ssh, vpn

#### 📁 **PKCS#11 / Secure Keystores**

How to store keys secure and how to use them in applications

#### 📁 **Lifecycle Management / Secure Update**

How could it be done; an open source-based update process (OTA) and a roll-out server



## Agenda IoT and Security

**Software:**

- nothing

**Hands-On training:**

- not planned due to time constraints

**Number of participants:**

Due to our experience we know that a single instructor could coach a maximum of 8 persons. Our courses are therefore limited to this number of individuals.