



## 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



## Agenda IoT and Security

### 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

#### **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.