ACE use cases

draft-seitz-ace-use-cases-00
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Use case topics

- Container Monitoring
- Home Automation
- Personal Health Monitoring
- Building Automation
- Industrial Control Systems
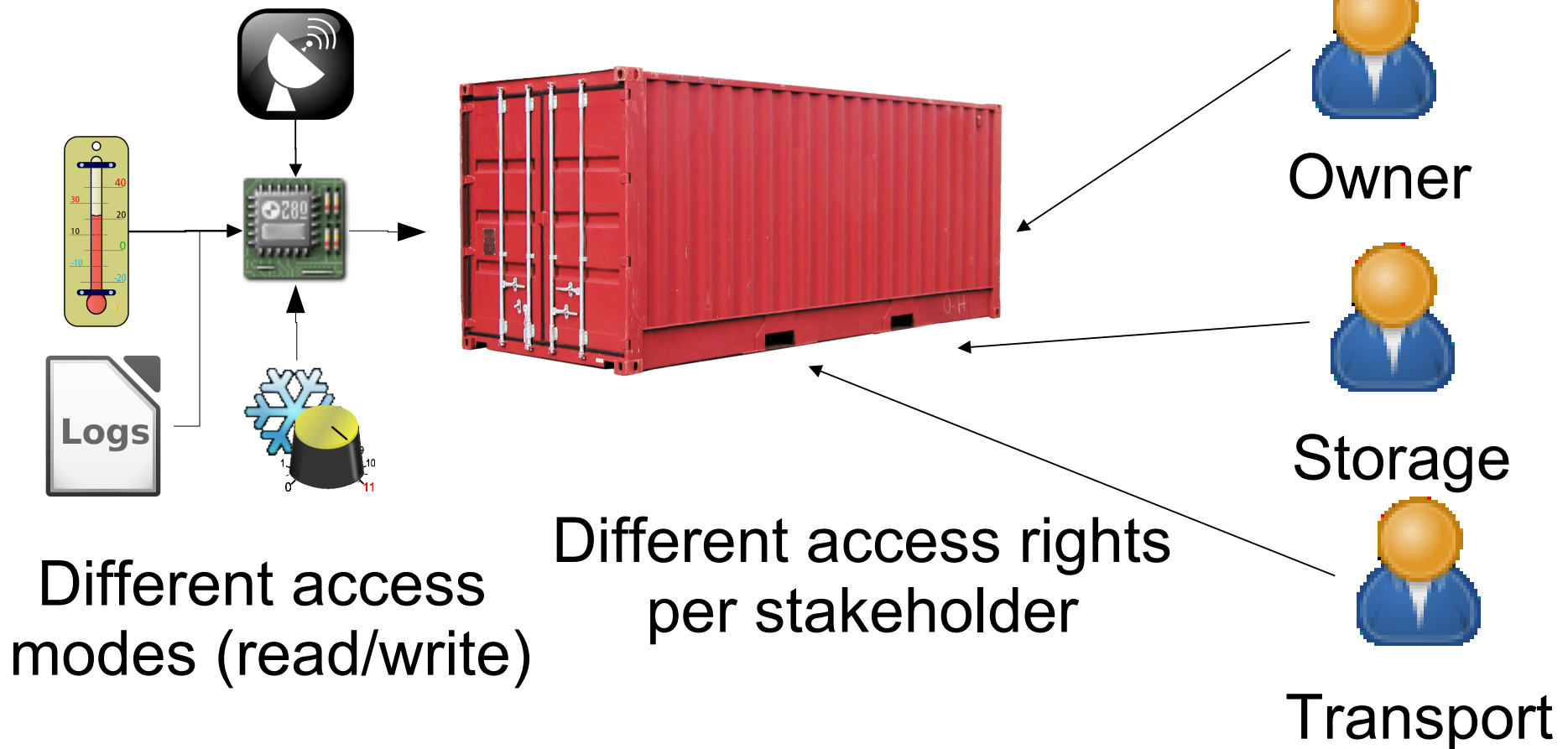
Also interesting:

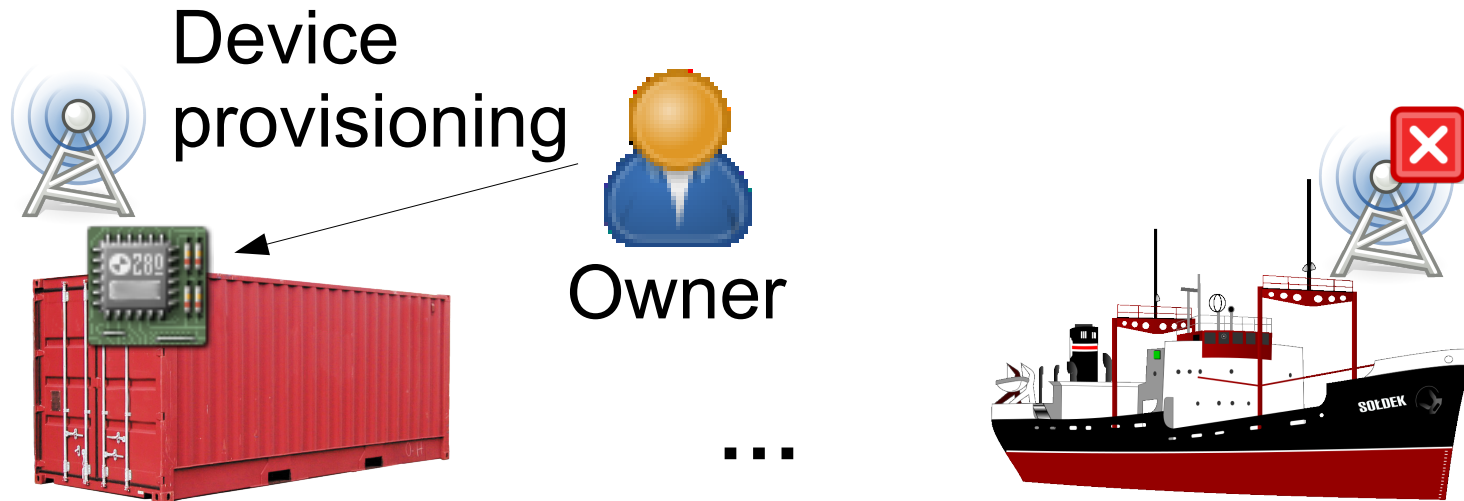- – *Automotive, Smart Metering*

Example: Container Monitoring

Storage

Resources and Stakeholders

Resources:
Sensors, Actuators, Data

Stakeholders

Logs

Owner

Storage

Transport

Different access
modes (read/write)

Different access rights
per stakeholder

Requirements motivation

Device
provisioning

Owner

...

Access control must work while
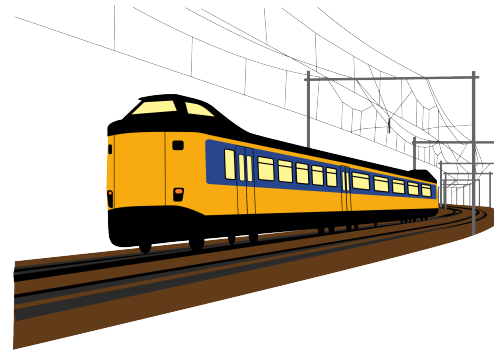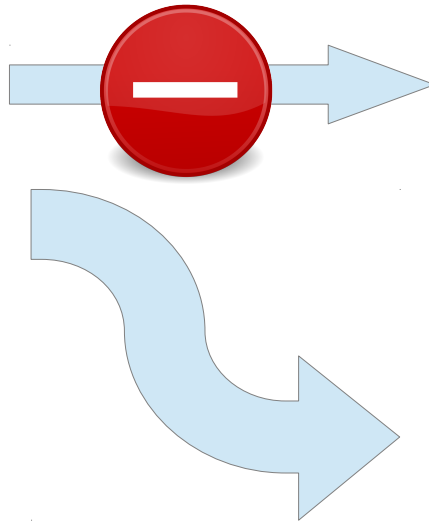container is offline

Storage

Access control must be able
to process local conditions
(e.g. location)

Requirements motivation ctd.

Spontaneous update of access rights required

Container Monitoring

- Tracking containers & monitoring and steering environmental conditions

- Multiple stakeholders with different access rights

- Devices on the move

- Including M2M interactions

- Spontaneous changes in access rights

Requirements from this use case

- Explicit rights for different stakeholders
  - Instead of all-or-nothing access
- Fine-grained access control
  - Granularity of resource-id and access method (e.g. read/write)
- Local conditions (e.g. location, time)
- Dynamical access control
  - Access rights may be changed or revoked
  - These changes also need to be authorized