

Environment Monitoring with intrusion detection

Sensor Networks Lab, WS 2014/15

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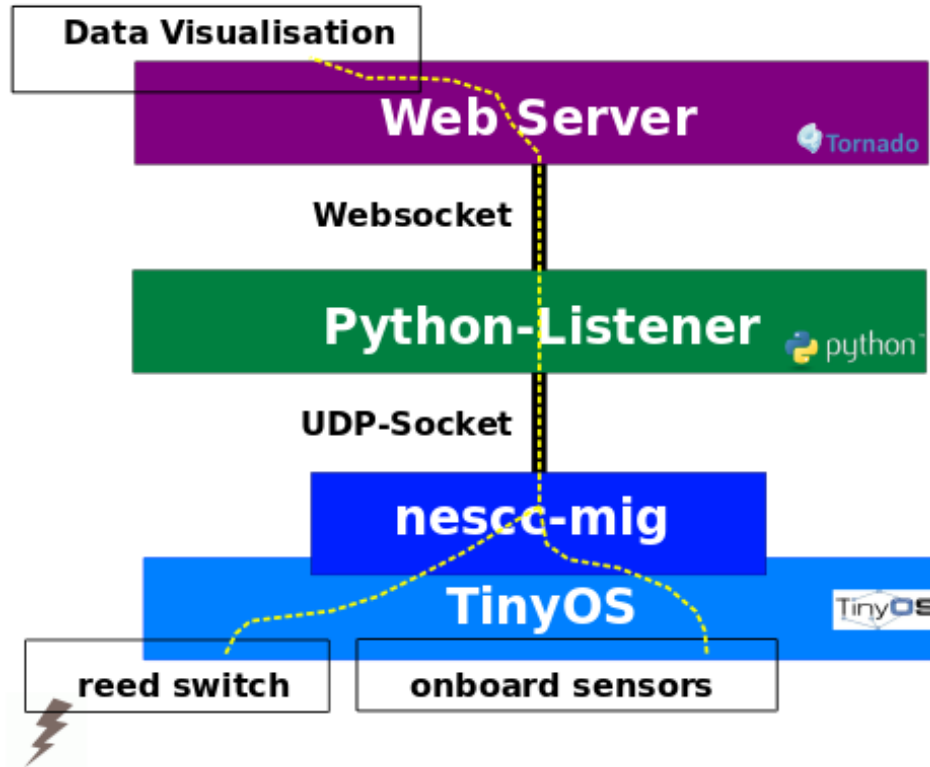
Idea

- **Monitoring of environment with existing on-board sensors**
- **Realising an intrusion detection with a reed switch**
- **sending data to a web-interface**
- **Visualising data and intrusion on web-interface**

Application scenarios

- ❏ **Warehouse → night guard**
- ❏ **Greenhouse / plantation → gardener / farmer**
- ❏ **Office / Hotel → Staff**
- ❏ **Apartment → Owner / tenant**

System Modules



Hardware

- ❑ 1 telosB as a router
- ❑ 2 telosB as environment-sensing nodes
being placed somewhere in the area
Sensors: temperature, light, (humidity)
- ❑ 1-2 telosB as intrusion detection nodes:
being placed wherever somebody could get in (windows, doors)
Sensor: reed switch
- ❑ (Python) Webserver

Hardware Setup

