

Teaching Internet of Things for Smart Systems

Lecture + Lab at TU Wien

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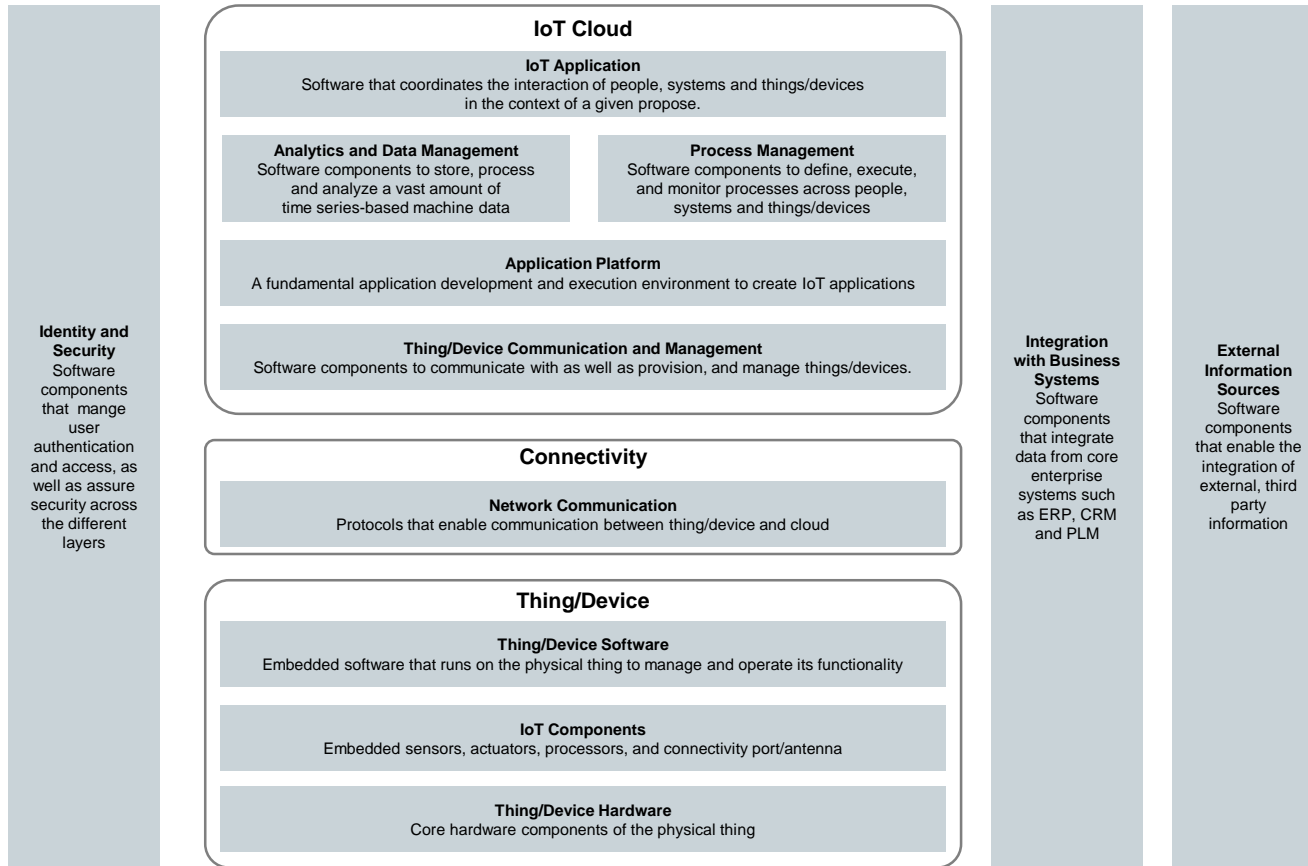
Goals of this Course

- Discuss critical aspects of the IoT
- Design solutions for integrating smart objects into IoT frameworks
- Develop IoT services and software based on IoT data

Lecture Overview

- Lecture 1: General Introduction to the IoT
- Lecture 2: Basic IoT Technologies
- Lecture 3: Elastic Infrastructures for the IoT
- Lecture 4: Security and Privacy in the IoT
- Lecture 5: The Industrial Internet of Things
- Lecture 6: Smart Cities & Smart Homes

IoT Technology Stack



From: F. Wortmann and K. Flüchter, “Internet of Things – Technology and Value Added,” in *Business & Information Systems Engineering*, vol. 57, iss. 3, pp. 221-224, 2015.

Lab Overview

- Project from the field of IoT:
 - Topic A: Stream Processing
 - Topic B: Sensor Data Integration
- Team size: 4-5 students
- Expected Outcomes:
 - Project solution (software prototype)
 - Two presentations

Thank You for Your Attention



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