

Microservices are server-side applications that are used to extend the Cumulocity IoT platform with customer-specific functionality and may offer their endpoints that can be used by Cumulocity IoT and Cumulocity IoT-based applications, e.g. for system integration purposes. This eLearning starts with high level introduction to Cumulocity IoT Microservices concepts and basic technics to extend the platform and containerize custom back-end functionalities. The major part covers developing a Java-based microservice with Cumulocity Java SDK. The training concludes with a section on how to deploy your microservice. All sections are presented by a combination of explanations followed by demonstrations.

**Duration:** 105 min

**Achievements:** Attendance Badge



### Learner Profile

- Solution Architect
- Integration Specialist
- Developer



### Required Knowledge

Cumulocity IoT Basic Understanding



### Next Steps

- Cumulocity IoT Professional Course
- Microservice Best Practices course
- Microservice Monitoring course

### Learning Objectives

- Microservice Architecture
- Project Structure
- Microservice Development
- Development with Java SDK
  - Inventory API
  - Measurements API
  - Device Control API
- Deployment

### Activities

- Learning Videos & Demos