

# MindSphere Developer Training for Hackathons

## Design and build Hackathon-level application

### Description

This two-day training provides the technical foundation for developing your applications during a Hackathon. Through this training, you will become familiar with the technical architecture and security concepts of MindSphere, the cloud-based open IoT operating system from Siemens. Hands-on circuit training focuses on developing, testing, debugging and pushing a mini app into MindSphere.

### Objectives

This training enables you to:

- Design applications for MindSphere
- Start building applications and push them into MindSphere by using MindSphere API
- Develop and seamlessly integrate hackathon-level solutions for MindSphere

### Content

- MindSphere architecture
- MindSphere API
- MindSphere security concepts
- MindSphere request routing internal/external
- MindSphere connectivity
- MindSphere analytics
- MindSphere rules and events

### Target groups

- Developers
- Software architects
- R&D managers

### Prerequisites

- Cloud Foundry know-how
- Development experience with Node.js (JavaScript)
- Java
- HTML
- C++
- Knowledge of cloud-native application development

### Training methods

- Interactive lectures
- Hands-on application development for MindSphere

### Duration

- 2 days

