MindSphere   
Academy  
Attendance

Certificate

**Basic Application Development training for MindSphere**

**«ParticipantFName» «ParticipantLName»**

Date: «Training\_Date»

Place: «TrainingLocation»

**Description**

During this three-day training the partici­pant has received detailed insight into Mind­Sphere architecture and the Mind­Sphere API, has learned about its security con­cepts, permission model, request routing and the MindSphere RESTful API.

As part of the hands-on practices, the par­ticipant has developed and deployed HTML and JavaScript frontend applica­tions to visualize MindSphere data using the dashboard functionality. Moreover, the participant has created own Node.js microservices that communi­cate with the MindSphere ecosystem.

**Objectives discussed**

• Use MindSphere APIs to develop HTML/JavaScript frontend applica­tions for MindSphere

• Write microservices used for develop­ment of applications while using MindSphere API

• Run MindSphere applications in the cloud

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**Content**

• Cloud Foundry basics

• Web development basics

• MindSphere architecture

• MindSphere API

• MindSphere security concepts

• MindSphere request routing

• Usage of MindSphere Backing Services

**Training methods**

• Interactive lectures

• Hands-on exercises for appli­cation development for Mind­Sphere

**The participant has attended the 3-day training.**

«Trainer»

Training instructor