



Tempus

OSSCOM

Partnership with Enterprises Towards Building Open Source Software
Communities and Rejuvenation of Technical Education and Innovation.



جامعة الألمانية الأردنية
German Jordanian University

Open Source Software Workshop

Venue : German Jordanian University

Date : 5th - 7th of May 2015

Timetable

- Tuesday (5/5/2015) :
10h-12h: Understanding Open Source
13h-17h: Java Microservices
- Wednesday (6/5/2015):
9h-13h: Docker
Afternoon: time for osscom topics
Evening: workshop planing virtualisation
- Thursday (7/5/2015) :
9h-12h: Web-UI Part I
13h-17h: Web-UI Part II

Contents

Understanding Open Source

Type: Lecture

Audience: All

Topics:

- History of open source
- Open Source licenses
- Working together



Java Microservices

Microservices, as a new trend in software architecture

Type: 2 hours lecture, 2 hours hands-on workshop

Audience: Developer, Java experience desired

Topics:

- Java Microservice Frameworks
- Driver of the web: REST and NoSQL
- Working out a demo application

Requirements for the practical part:

- Notebook / Workstation for every participant
- Basic Java Development Environment (e.g. Eclipse, maven)
- Internet access

Docker

Using docker to create modern scaling platforms

Type: 2 hours lecture, 2 hours hands-on workshop

Audience: Developer, Operations

Topics:

- Containers versus Virtualisation
- Using docker containers
- Creating docker images
- Setting up platforms with docker

Requirements for the practical part:

- Linux Notebook / Workstation for every participant
- Preinstalled docker >= version 1.5
- Internet access

WEB-UI

Creating state of the art Web-UIs

Type: lecture / workshop mixed

Audience: Developer, JavaScript basics desired

Topics:

- CSS3, Bootstrap, SCSS and friends
- Single Page apps with AngularJS

Requirements for the practical parts:

- Notebook for every participant
- Text editor, Web-Browser (Firefox, Safari or Chrome)
- Internet access

