

# Developing for the Cloud Workshop

## Overview

Moving to the cloud is the next major evolutionary step for IT systems. The cloud offers a lot of clear benefits such as better resource utilization and improved flexibility – both desired by businesses.

Cloud computing also offers novel and smart approaches to technical problem such as scalability or fault tolerance. Therefore it is important to adapt cloud computing and by that gain a competitive advantage.

However, developing software that runs well in cloud environments is a difficult and demanding task. Completely new levels of scalability must be supported. New approach and new architectures are emerging and need to be supported.

This Workshop will teach the basics of cloud technologies and how to develop software for it.

## Workshop Objectives

By attending this workshop you will:

- Understand the advantages of Cloud technologies
- Understand challenges when developing software for the Cloud
- Learn about the impact of IaaS (Infrastructure as a Service) such as Amazon S3 or VMware vCloud on software development and how to use it efficiently
- Comprehend the PaaS (Platform as a Service) approach and some typical implementation such as Google App Engine, VMforce or Cloud Foundry
- Find out how to architect applications for the cloud and how to develop applications for the cloud using Spring Roo

## Target Audience

This workshop is designed for developers and architects seeking to understand cloud technologies and starting with cloud development

## Prerequisites

- Basic understanding of Java development

## Pricing and Scope

- One (1) day of interactive demos and presentations led by instructor
- Individual enrollment available at convenient locations worldwide: <http://www.springsource.com/training/curriculum>
- Contact your VMware representative for pricing information

## Workshop Outline

Developing for the Cloud discusses:

- Introduction: What is the Cloud?
- IaaS with VMware vCloud and Amazon EC2 as examples
- PaaS with Google App Engine, Cloud Foundry and VMforce as examples
- Cloud ready architectures

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