



**Enterprise Computing Solutions - Education Services**

## **TRAINING OFFERING**

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# IBM Cloud Garage Cloud Native Developer Bootcamp for IBM Cloud Public

CODE:	DURÉE:	PRIX H.T.:
CK104G	40 Hours (5 Jours)	€3,690.00

## Description

This course teaches the key features and architecture of cloud-native applications. You learn about the elements of twelve-factor applications and the characteristics of a resilient, scalable cloud application design. The course also explains the role of DevOps in the cloud-native application lifecycle.

## Objectifs

After you complete this course, you should be able to:

- Describe the key features, practices, and architecture of cloud-native application development.
- Integrate on-premises resources to IBM Cloud
- Practice various approaches for migrating Java applications to IBM Cloud

## Audience

This course is designed for developers who want to develop Java applications on IBM Cloud.

## Prérequis

Before taking this course, you should have:

- Experience with enterprise application development in Java™ or other languages
- Familiarity with agile development practices

## Programme

### Introduction to IBM Cloud

- IBM Cloud Architecture
- IBM Cloud Basics
- Lab 1 - Deploy simple Web application
- IBM Cloud Full Stack Development

### Day 2 - Cloud-native application development

- Cloud Native Overview
- Lab 2 - Deploy your first microservice
- Twelve Factor Applications
- Microservices Application Architecture
- Developing Microservices

### Day 3 – DevOps, Cloud Data Services, Security

- DevOps Concepts
- Lab 3 - Building the DevOps pipeline
- IBM Cloud Data Services
- Lab 4 - Data services and customer microservice

- Microservices Security
- Cloud Adoption Patterns

#### Day 4 - Integration with on-premises resources

- Introduction to IBM Cloud Integration
- IBM Cloud Connectivity
- Lab 5 - Catalog microservice and Secure Gateway
- API Connect and Data Connect
- Developing applications for IBM Cloud
- Finalize web application and autoscaling lab

#### Day 5 - Application migration to IBM Cloud

- Migrating applications to IBM Cloud
- Migrating Java applications to IBM Cloud
- Lab 6.1 - Migrating a Tomcat application to IBM Cloud
- Lab 6.2 - Migrating a WebSphere application to IBM Cloud

### Dates de session

Sur demande. [Merci de nous contacter](#)

### Informations Complémentaires

Cette formation est également disponible sous forme de formation sur site. Veuillez nous contacter pour en savoir plus.