

# IBM Cloud Enterprise Developer (CK104G)

ID CK104G Preis 3.590,- € (exkl. MwSt.) Dauer 5 Tage

## Zielgruppe

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

## Voraussetzungen

Before taking this course, you should have:

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

## Kursinhalt

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.

## Detaillierter Kursinhalt

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