Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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Email: training.ecs.fr@arrow.com
Phone: 01 49 97 50 00

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.