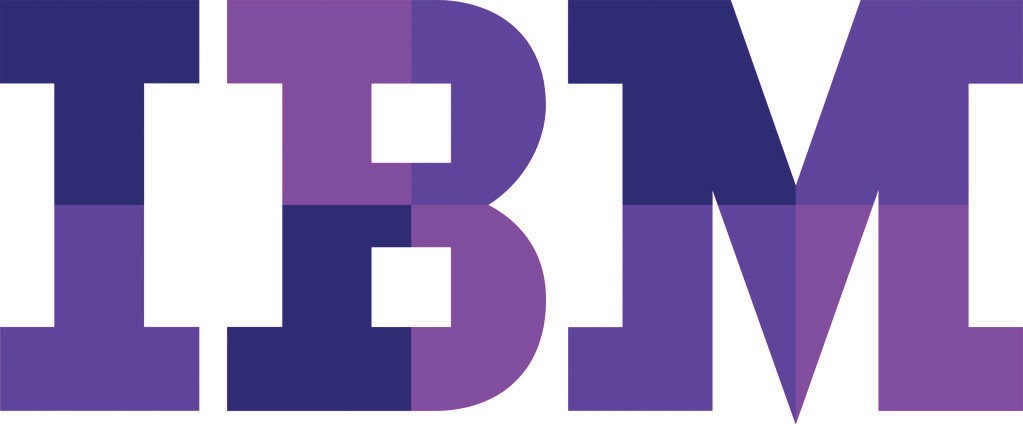
**Introduction to Bluemix**



CK001 (Classroom) ZK001 (Self-paced)

# Course description

This course introduces you to IBM® Bluemix™, IBM's Platform-as-a-Service offering based on Cloud Foundry, Open Stack, and other open technologies. The course covers relevant cloud concepts, shows the architectural foundations of Cloud Foundry and Bluemix, and gets you started as a user of the platform. The course is designed as a starting point for enterprise developers but does not assume any programming knowledge.



For information about other related courses, visit the IBM Training website:

<http://www.ibm.com/training>

# General information

**Delivery method**

Classroom or instructor-led online (ILO) or self-paced (SPVC) Choose those that apply.

**Course level**

ERC 1.0

**Product and version**

Bluemix All

**Audience**

This course is designed for programmers and architects.

**Learning objectives**

* Define Bluemix, its value proposition, and its deployment options
* Describe the architectural elements of Cloud Foundry behind Bluemix and Bluemix components
* Deploy simple applications to Bluemix in multiple ways
* Add and use available Bluemix services in an application

**Prerequisites**

No prerequisites are required for this course.

**Duration**

1 day

**Skill level**

Basic

**Classroom (ILT) setup requirements**

The lab image for course CK001 is hosted on Skytap / IRLP. There is no image preparation required.

# Notes

The following unit and exercise durations are estimates, and might not reflect every class experience.

This course is a new course.

# Course agenda

The course contains the following units:

1. Bluemix and cloud concepts Number of demonstrations: 0

Number of exercises: 0 Estimated time: 1 hour

* Describe Bluemix in one sentence
* Describe the Bluemix value proposition
* Explain cloud concepts such as platform as a service (PaaS), deployment options, Systems of Engagement
* Describe Cloud Foundry
* Explain what Bluemix adds to Cloud Foundry

1. Bluemix architecture Number of demonstrations: 0

Number of exercises: 0 Estimated time: 2 hours

* Describe the Bluemix deployment options and what is different between them
* Describe the application development resources provided by Bluemix
* Describe how applications are deployed and managed by Bluemix
* Understand the management concepts behind Cloud Foundry and Bluemix

1. Bluemix basics

Number of demonstrations: 1 Number of exercises: 4 Estimated time: 2 hours

* Use the Bluemix user interface
* Describe the Bluemix development environments:
  + Built-in IDE
  + Command line
  + Eclipse
  + Git and Github

1. Bluemix services

Number of demonstrations: 0 Number of exercises: 0 Estimated time: 1 hour

* Describe and use Bluemix DevOps Services
* Describe the major Bluemix Integration Services
* List some of the other services available in Bluemix