RX-M - Infrastructure Essentials for IBM Cloud

Code: CN1-IE-BM
Length: 3 days
URL: View Online

This course explores the range of foundational cloud technologies offered by IBM Cloud Infrastructure. Participants will create, deploy, and manage cloud-based infrastructure via the command line and web-based interfaces, working with servers, storage and networking resources. Day one provides an overview of the IBM Cloud platform and the infrastructure services on offer, focusing on compute devices and how to provision and interact with them. Day two continues the journey by exploring the networking features of IBM Cloud infrastructure, including server interop, ip management, load balancing, auto-scaling and security features. The final day of the course gives attendees a detailed look at IBM Cloud storage options, including object, block and file based solutions. Each module includes a detailed hands on lab giving attendees practical experience with the various infrastructure components. Upon completion attendees will have a broad understanding of the various infrastructure technologies supplied by the IBM Cloud and the hands-on experience to put that knowledge to use immediately.

Skills Gained

- This intensive three day hands on course is designed to provide participants with a foundational understanding ofcloud computing and "infrastructure as a service" using IBM Cloud Infrastructure.

Who Can Benefit

- Developers, Architects, IT/DevOps/QA personnel and Professional Services staff

Prerequisites

- Intermediate experience with computers and systems.

Course Details

Infrastructure Essentials for IBM Cloud

- Day 1 - Cloud Basics and Compute on Demand

1. Cloud Systems Overview

2. Lab: Working with the Cloud GUIs

3. IBM Cloud Overview

4. Lab: Working with the Cloud CLI and API

5. Working with Devices and Images

6. Lab: Provisioning VMs and Bare Metal instances

7. Device Configuration and Monitoring

8. Lab: Provisioning VMs and Bare Metal instances

- Day 2 - Cloud Servers and Networking

1. Cloud based networking

2. Lab: VLANs and IP Management

3. Autoscaling and Loadbalancing

4. Lab: Building elastic systems

5. Network Security

6. Lab: Working with security groups

7. Ingress/Egress, Links and VPNs

8. Lab: Exposing systems externally

- Day 3 - Cloud Storage

1. Cloud based storage

2. Lab: Exploring cloud storage options

3. Block Storage

4. Lab: Working with block storage volumes

5. Object Storage

6. Lab: Saving and retrieving objects

7. File Storage

8. Lab: Using cloud file storage