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# Implementing Cloud Manager with Openstack on Power Systems Information

<b>Length:</b>	3.0 Days
<b>__Ref:</b>	QZ002G-X
<b>Delivery method:</b>	ClassroomInstructor Led Online
<b>Price:</b>	EUR

## Overview

This course describes the concepts and implementation details to install, configure, and implement the IBM Cloud Manager with OpenStack as a cloud management solution managing a private cloud based on IBM PowerVC. The virtualized Power Systems-based environment consists of Linux on Power virtual machines.

The course topics cover planning for the Cloud Manager with OpenStack installation, customizing the environment, management, and using the self-service portal to capture and deploy virtual machine images. Hands-on exercises reinforce the lecture and give the students the experience of installing and configuring IBM Cloud Manager with OpenStack on a Power Systems-based environment.

## Public

Enrollment in this course is not restricted. Typical students may include personnel involved with implementing, configuring and managing a cloud infrastructure using IBM Cloud Manager with OpenStack on Power Systems.

- Customers
- Technical IBM personnel
- Business Partner technical personnel
- IT consultants and architects
- Anyone with interest in understanding OpenStack

## Prerequisites

The following course is recommended prior to this course:

- *IBM Power Cloud Training Essentials - WBT- (QZ000WG)*
- *Implementing Power Cloud Infrastructure with PowerVC- (QZ001G)*

## Objective

After completing this course, you should be able to:

- Recall the role of OpenStack within a cloud implementation
- Recall the role of Chef within a cloud implementation
- Describe the major functions of the IBM Cloud Manager with the OpenStack product
- Recall the planning steps to implement IBM Cloud Manager with OpenStack managing a PowerVC virtualized environment
- Execute select administration tasks on IBM Cloud Manager with OpenStack using the dashboard
- Recall and execute tasks with images and instances

## Topics

### Day 1

- Welcome
- Unit 1 - Course Introduction
- Unit 2 - Introduction to OpenStack
- Unit 3 - Introduction to Chef Server
- Unit 4 - IBM Cloud Manager with OpenStack overview
  - Exercise 1 - Introduction to the lab environment

### Day 2

- Unit 5 - IBM Cloud Manager with OpenStack planning an implementation
  - Exercise 2 - IBM Cloud Manager with OpenStack planning an implementation
- Unit 6 - IBM Cloud Manager with OpenStack dashboard
  - Exercise 3 - IBM Cloud Manager with OpenStack dashboard

### Day 3

- Exercise 3 - IBM Cloud Manager with OpenStack dashboard (Continued)
- Unit 7 - IBM Cloud Manage with OpenStack Self-Service portal
  - Exercise 4 - IBM Cloud Manage with OpenStack Self-Service user interface