Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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Implementing Red Hat OpenShift Container Platform on Power Systems

CODE:	LENGTH:	PRICE:
QZC42G	16 Hours (2 days)	$1,400.00

Description

This course broadens the skills of the student who are required to implement and manage a Kubernetes-based Platform as a Service (PaaS) environment based on Red Hat OpenShift Container Platform on Power Systems. The course covers basic administration and configuration of Red Hat OpenShift Container Platform within a POWER processor-based server configured with IBM PowerVC. Hands-on exercises reinforce the lecture material, and allow students to use the Red Hat OpenShift Container Platform to work with images, applications, and manage a cluster.

Objectives

After completing this course, you should be able to:
• Explain the IBM path to Kubernetes
• Describe OpenShift Container Platform (OCP)
• Identify the components affected by the ICP (IBM Cloud Private) to OCP transition
• Describe the OCP architecture and components
• List the OCP machine roles
• Explain the journey to the cloud strategy
• List and explain the IBM Cloud Paks
• Recall the planning steps to implement Red Hat OpenShift Container Platform environment
• Define the Red Hat OpenShift Container Platform environment requirements
• Recall the steps to install Red Hat OpenShift Container Platform environment on Power System
• Recall the configuration steps for Red Hat OpenShift Container Platform environment
• Recall the steps to update Red Hat OpenShift Container Platform environment
• Recall the steps to remove Red Hat OpenShift Container Platform environment
• Describe how to access the OCP web console
• Identify the administrator and developer perspectives
• Identify the CLI commands
• Describe the identity providers
• List the type of users and groups
• Explain images, containers, and imagestreams
• Describe the operator mechanism
• Explain the storage framework
• Describe the networking components
• Describe manageable elements of machines and node

Audience

The course is an intermediate to a moderately advanced course. The audience for this training includes system administrators, support personnel, developers, IT specialists, IT architects, and system engineers.

Prerequisites

The student must understand basic Linux administration skills, Docker, and Kubernetes knowledge.

Programme

Course agenda:

Day 1
(00:30) Welcome
(03:00) Unit 1 – Cloud Essentials
(00:30) Lab 1 – Accessing lab environment
(03:00) Unit 2 - Implementation
Day 2
(03:00) Lab 2 - Implementation
(02:00) Unit 3 – Basic Management
(02:00) Lab 3 – Basic Management

Session Dates

On request. Please Contact Us

Additional Information

This training is also available as onsite training. Please contact us to find out more.