Iverson Associates Sdn Bhd (303330-M)
Suite T113 – T114, 3rd Floor, Centrepoint, Lebuh Bandar Utama
Bandar Utama, 47800 Petaling Jaya, Selangor Darul Ehsan
Tel: 03-7726 2678 Fax: 03-7727 9737 Website: www.iverson.com.my

Module Title : DO188-Red Hat OpenShift Development I: Introduction to Containers with Podman

Duration : 3 days

Overview

Red Hat OpenShift Development I: Introduction to Containers with Podman (DO188) introduces students to building, running, and managing containers with Podman and Red Hat OpenShift Container Platform. This course helps students build the core skills for developing containerized applications through hands-on experience.

This course is based on Red Hat® Enterprise Linux® 8.6 and OpenShift® Container Platform 4.10.

Course content summary

- Introduction to containers
- Run containers with Podman
- Build custom container images
- Manage container images
- Remote debugging with containers
- Basic container networking
- Persist data with containers
- Run multi-container applications
- Troubleshoot Container Deployments
- Orchestrate containers with OpenShift and Kubernetes

Audience for this course

- Developers and Site Reliability Engineers that are new to container technology.

Prerequisites for this course

- Take our free assessment to gauge whether this offering is the best fit for your skills.
- Some experience with web application architectures and their corresponding technologies.
- Experience in the use of a Linux terminal session, issuing operating system commands, and familiarity with shell scripting is recommended.

Technology considerations

- Requires internet connection.

Outline

Introduction and overview of containers

Describe how containers facilitate application development.

Podman basics

Manage and run containers with Podman.

Container images

Navigate container registries to find and manage container images.

Custom container images

Build custom container images to containerize applications.

Persisting data

Build persistent databases.

Container networking

Describe basic container networking and how to access containerized services.

Troubleshooting containers

Analyze container logs and configure a remote debugger.

Multi-container applications with compose

Run multi-container applications using Compose.

Container orchestration with Kubernetes and OpenShift

Orchestrate containerized applications with Kubernetes and OpenShift.