Course Code: LX063DGS

Course Title: Containers on IBM Power

Description:

This course is designed to provide skills enablement for system administrators and product support specialists in the area of operating system-based virtualization provided by Linux containers on IBM Power.

Hands-on exercises reinforce the lecture material, allowing students to install and configure Linux containers.

Objectives:

After completing this course, you should be able to:

- Describe Linux containers architecture
- Install and configure Docker onto a Power Systems environment
- Perform Docker administration operations
- Install and configure CRI-O
- Perform basic container orchestration steps

Prerequisites:

Basic Linux skills

Basic PowerVM skills

Duration:

8 Hrs

Topics:

Unit 1 - Introduction to containers
  Why containers
  Containers and virtualization
  Evolution of containers

Unit 2 - Implementing containers on IBM Power
  Container architecture
  Podman installation and basic functionality

Unit 3 - Container operations
  Images
  Containers
  Volumes
  Networking

Unit 4 - Container orchestration
  Cloud in context
  Orchestration

Audience:

Enrollment in this course is not restricted. Typical students may include:
Customers
Technical IBM personnel
Business Partner technical personnel
IT consultants and architects