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Enhancing Workload and Capacity Management with Docker on Power Systems Information

Length:	16.0 Hours
Ref:	LX061G □
Delivery method:	ClassroomInstructor Led Online
Price:	AUD

Overview

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 Docker. Topics include introduction to Docker, planning the installation, Docker administration, and using images and containers. Hands-on exercises reinforce the lecture material, and allow students to install and configure Docker.

Public

This course is for anyone that needs to build experience with operating system based virtualization using Docker. The audience for this training includes the following:

- Cloud administrators
- POWER technical support individuals
- POWER system administrators
- POWER system engineers
- POWER system architects

Prerequisites

Students attending this course are expected to have Linux on Power, and PowerVM working knowledge. These skills can be obtained by attending the following courses or gained from equivalent experience:

- Essentials of PowerVM (LX024G)
- Power Systems Running Linux: Red Hat Administration (LX031G)

Objective

On completion of this course, students should be able to:

- Describe the architecture of the Docker platform
- Install and configure Docker onto a Power Systems environment
- Perform Docker administration operations

- Perform user operations with images and containers
- Understand the concept of Docker orchestration

Topics

- Unit 1: Introduction to Docker
- Exercise 1: Accessing the lab environment
- Unit 2: Implementing Docker on IBM Power Systems
- Exercise 2: Docker installation
- Unit 3: Docker images and containers
- Exercise 3: Docker images and containers
- Unit 4: Container orchestration