Course Code: QZD33DGS

Course Title: Private Cloud Management on IBM Power Systems

Description:

IBM PowerVC, an Infrastructure as a Service (IaaS) enabling software, provides a self-service cloud console for managing IBM Power Systems. It is built on OpenStack. OpenStack is a collection of open-source software projects that enterprises can use to run their own private cloud infrastructure.

This course explains most cloud management features, starting with setting up a private cloud environment from the ground up. It then covers planning, sizing and other advanced administrative tasks you can perform to become an efficient system administrator.

Objectives:

Upon completing this course, you should be able to:

- Describe cloud computing concepts
- Implement a PowerVC private cloud
    - - Prepare for and install PowerVC
    - - Customize PowerVC to manage a private cloud infrastructure
    - - Configure cloud-init on a source virtual machine to prepare for capture
    - - Capture and deploy images
- Manage PowerVC REST APIs
- Backup and restore PowerVC

Duration:

16 Hrs

Topics:

- Introduction to private cloud
- Working with your private cloud
- System administration on private cloud
- Images and virtual machines
- Advanced features of IBM Cloud PowerVC Manager

Audience:

Cloud administrators

Cloud architects

System administrators

Power Systems administrators