IBM Power Systems Scale-Up Technical Sales Certification Preparation Workshop

Information

Length:	40.0 Hours
__Ref:	AN097G
Delivery method:	ClassroomInstructor Led Online
Price:	AUD

Overview

This workshop helps students prepare to take the exam to attain the IBM Certified Specialist – Power Systems Scale-Up Technical Sales certification. The course covers various topics that are expected to be understood by the successful test candidate, and includes hands-on lab exercises to gain experience in implementing many of the features and capabilities that are covered.

Public

This course is for personnel who are preparing to take the exam to attain the IBM Certified Specialist – Power Systems Scale-Up Technical Sales certification. More information about the certification is available at: https://www.ibm.com/certify/cert?id=C0001603

Prerequisits

Students should already know the models and major capabilities of the IBM POWER9 processorbased systems and have a good understanding of PowerVM and Virtual I/O Server features. The PowerVM and VIOS skills can be obtained by taking the following course or with equivalent experience:

- AN30G - Power Systems for AIX - PowerVM I: Implementing Virtualization, which may be found here -> http://www.ibm.com/training/course/an30g.

Objective

After completing this course, you should be able to:

- Describe the benefits of the POWER9 processor architecture
- Describe the IBM POWER9 processor-based systems product family
- Explain the reliability, availability, and serviceability (RAS) features and benefits of IBM POWER9 processor-based systems
- Describe Power Enterprise Pools prerequisites, capabilities and benefits
- Differentiate Capacity on Demand (CoD) offerings

- Summarize the requirements and benefits of Live Partition Mobility (LPM) and Simplified Remote Restart
- Identify planning tools and information resources used when designing a solution
- Differentiate memory optimization technologies
- Identify resource sharing capabilities of Power Systems servers, including processors, memory, and I/O
- Implement virtualization configurations including:
    - Virtual SCSI
    - Virtual Fibre Channel
    - Virtual Ethernet
    - Virtual Network Interface Controller (vNIC) and Shared-Root I/O Virtualization (SR-IOV)
    - Shared Ethernet Adapter
    - Shared processors

Topics

Day 1
Unit 1 - POWER9 Processor-based Systems
Exercise 1 - Power Systems Scale-Up Documentation Overview
Unit 2 - PowerVM Processor Virtualization

Day 2
Unit 2 - PowerVM Processor Virtualization (continued)
Exercise 2 - PowerVM Processor Configurations
Unit 3 - PowerVM Memory Configurations

Day 3
Unit 3 - PowerVM Memory Configurations (continued)
Exercise 3 - PowerVM Memory Configurations
Unit 4 - PowerVM Network Virtualization
Exercise 4 - PowerVM Network Configurations

Day 4
Unit 5 - PowerVM Virtual Storage Configurations
Exercise 5 - PowerVM Storage Configurations
Unit 6 - PowerVM Live Partition Mobility and Simplified Remote Restart

Day 5
Unit 6 - PowerVM Live Partition Mobility and Simplified Remote Restart (continued)
Exercise 6 - PowerVM Live Partition Mobility
Unit 7 - IBM Tools and Assistance
Exercise 7 - IBM Tools