z/VM & Linux Connectivity and Management

Duration: 3 Days       Course Code: ZV10G

Overview:
Perform TCP/IP tailoring of HiperSockets and guest Local Area Networks (LAN) in support of Linux guest systems. Explore the configuration of Multiple Protocol Routing (MPROUTE) to support dynamic routing in the z/VM TCP/IP environment, the installation and configuration of RealTime Monitor (RTM), the Performance Toolkit for VM, and Programmable Operator for the system management of the z/VM environment.

Target Audience:
Open system administrators and z/OS system programmers new to z/VM or ESA/VM responsible for the implementation and management of TCP/IP and the z/VM system in support of Linux guest systems.

Objectives:
- Use the OBEYFILE command to reconfigure the TCP/IP environment
- Define HiperSockets and guest LANs for TCP/IP
- Discuss the benefits of dynamic routing versus static routing
- Describe the purpose of the MROUTE server in the TCP/IP environment
- Configure TCP/IP in support of guest LANs for z/VM and Linux
- Configure the MROUTE server for z/VM
- Implement the multiple TCP/IP stack environment on z/VM
- Define and save the monitor Discontiguous Saved Segment (DCSS)
- Collect Monitor data using the MONITOR and MONWRITE commands
- Install and configure the mfpcm
- Configure the performance toolkit for VM
- Define Programmable Operator facilities for z/VM to trap for messages and implement task based upon those messages
- Use OBSERVER and CP SET commands to manage disconnected service machines.

Prerequisites:
Content:

Learn advanced topics in z/VM 4.4.0 in two major areas, connectivity and systems management. Discuss the implementation of advanced TCP/IP functions and reinforce them through extensive hands-on labs. Discuss connectivity functions including HiperSockets, guest LANs, OBEYFILE, static and dynamic routing, MROUTE server, Queued Direct Input/Output (QDIO) and Open System Adapter (OSA) connectivity options. Implement system management functions including, Programmable Operator, OBSERVER and CP SEND, XAUTOLOG/FORCE, Resource Management Facility Linux performance gatherer (rmfpms), Performance Toolkit for VM, and MONWRITE and MONITOR commands.

Performance management commands
rmfpms
Performance toolkit for VM - full screen operator console
Programmable operator operations
TCP/IP configuration of Guest LANs and HiperS

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931
info@globalknowledge.co.uk
www.globalknowledge.co.uk

Global Knowledge, Mulberry Business Park, Fishponds Road, Wokingham Berkshire RG41 2GY UK