IBM PureFlex Systems Fundamentals & Implementation Services

Duration: 5 Days      Course Code: NGTB1G

Overview:

The IBM PureFlex System is a new category of computing that integrates multiple server architectures, networking, chassis, storage, and system management capability into a single system that is easy to deploy and manage. This fundamentals and implementation services class covers IBM Pure-Systems, IBM PureFlex Systems, the new IBM Flex System Enterprise Chassis along with the IBM X-Architecture and IBM Power Systems compute nodes, systems management, networking, and the external storage device - IBM Storwize V7000. Implementation guidelines build on this to understand what services are performed; quick start configurations for the Chassis Management module as well as the Flex System Manager. Configuration steps related to Storwize V7000, typical Ethernet settings and how to create and manage a Power Systems virtual server are discussed. Last you will recognize the features of the VMControl component and install and implement VMware vSphere 5.0.

Hands-on lab exercises reinforce some of the steps outlined in the foundation services for IBM PureFlex Express and IBM PureFlex Standard product offerings.

Target Audience:

This intermediate course is for individuals and IBM Business Partners who are involved in the planning, installing, configuring and upgrading of IBM Systems including performing foundation services for IBM PureFlex Express and IBM PureFlex Standard product offerings.

Objectives:

- Differentiate between IBM PureSystems and IBM PureFlex Systems
- Summarize the features and functions of the IBM Flex System Enterprise Chassis
- Differentiate the characteristics of the IBM Flex System x86 Compute Node from other IBM System x servers
- Differentiate the characteristics of the IBM Flex System Power Compute Nodes from other IBM Power servers
- Select the proper IBM Flex System networking components based on the solution requirements
- Classify the IBM Flex System management options
- Critique the storage options available for the IBM Flex System
- List the foundation services performed for IBM PureFlex Express and IBM PureFlex Standard product offerings
- Carry out initial quick start configuration steps for the IBM Flex System Chassis Management module and the Flex System Manager
- Carry out configuration steps to zone, map volumes and manage the Storwize V7000 with the IBM Flex System
- Perform configuration steps such as IP addressing, zoning, VLANs, and other typical Ethernet settings with the IBM Flex System
- Carry out the installation and configuration steps necessary to create and manage a Power Systems virtual server
- Recognize the features of the IBM Flex Systems Manager VMControl component
- Perform the steps necessary to install, configure, and utilize VMware vSphere 5.0

Prerequisites:

There are no prerequisites for this course.
### Content:

#### Day 1
- Welcome
- Unit 1: IBM PureSystems and IBM PureFlex Systems
- Lab 1: IBM PureFlex System introduction
- Unit 2: IBM Flex System Enterprise Chassis
- Lab 2: Exploring the Chassis Management Module
- Unit 3: IBM Flex System Manager
- Lab 3: IBM Flex System Manager navigation

#### Day 2
- Day 1 review
- Unit 4: IBM Flex System x240 Compute Node
- Lab 4: Exploring the Integrated Management Module II
- Unit 5: IBM Power Systems compute nodes
- Lab 5: IBM Power Systems compute node

#### Day 3
- Day 2 review
- Lab 5: IBM Power Systems compute node (continued)
- Unit 6: IBM Flex System storage
- Unit 7: IBM Flex System networking
- Lab 6: IBM Flex System networking: Ethernet switches
- Lab 7: IBM Flex System networking: SAN switch

#### Day 4
- Day 3 review
- Unit 8: IBM PureFlex Systems: Overview
- Unit 9: Quick Start guides for IBM PureFlex Systems
- Unit 10: IBM PureFlex System: Storage considerations
- Unit 11: Networking in IBM PureFlex editions
- Lab 8: IBM PureFlex Ethernet Fundamentals

#### Day 5
- Unit 12: IBM PureFlex Power Systems PowerVM
- Lab 9: PowerVM lab exercises
- Unit 13: IBM Flex Systems Manager VMControl: Overview
- Unit 14: VMware vSphere 5.0: Overview
- Labs 10-16: VMware ESXi lab exercises

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### Further Information:

For more information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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