

Flex Pod Design and Implementation Administration Course Bundle (FPBUNDLE)

Duration: **5 days**

Course Overview

This 5 day course combines Designing the FlexPod Solution (FPDESIGN) and Implementing and Administering the FlexPod Solution (FPIMPADM). For the design portion, attendees will learn to evaluate the FlexPod solution design process in regards to the contemporary data center challenges. This portion also provides a comprehensive understanding of the reconnaissance and analytics assess computing solution performance characteristics and requirements. In addition, we will describe the hardware components of the FlexPod and the process for selecting proper hardware for a given set of requirements. The Implementation and Administration portion is a hands-on intensive course focusing on deployment of the FlexPod data center and how NetApp Clustered Data ONTAP virtualizes storage into Storage Virtual Machines (SVM) to manage data with the FlexPod. You will learn key implementation procedures, management and basic troubleshooting tasks on the Cisco Nexus 5548UP, Cisco UCS and NetApp storage. In labs, you will gain hands-on experience working with the VMware ESXi and Hyper-V hypervisors and the management tools that support them.

Who should attend?

Network engineers, Network administrators, System engineers and Server administrators

Prerequisites

The knowledge and skills that a learner must have before attending this course are as follows:

1. General knowledge of networking technologies
2. CCNA / CCNP Data Center recommended
3. Knowledge of server system design and architecture
4. Familiarity with Ethernet and TCP/IP networking
5. Familiarity with SANs and NFS NAS technologies
6. Familiarity with Fibre Channel protocol
7. Understanding of Cisco Enterprise Data Center architecture
8. Familiarity with hypervisor technologies (such as Microsoft, Red Hat, or VMware)

Course Objectives

1. Describe data center architecture and identify FlexPod architecture components
2. Identify and configure FlexPod networking components
3. Describe and configure FlexPod storage with clustered data ONTAP
4. Identify and configure the Cisco UCS compute components of FlexPod
5. Describe and configure the VMware and Microsoft Hyper-V hypervisors
6. Identify FlexPod management and troubleshooting tools
7. Identify the architecture, features and components of FlexPod
8. Describe implementation parameters for Components including Cisco Nexus 5500 switches, Cisco UCS and NetApp clustered Data ONTAP
9. Describe FlexPod management tools