

# PowerFlex 3.6 Implementation and Administration (PF36IA)

**ID** PF36IA **Price** US \$ 4,400.—(excl. VAT) **Duration** 4 days

## Who should attend

This course is intended for those who will be involved in installing, expanding and upgrading a PowerFlex solution. It is also intended for those who will be involved in configuring, managing, administering, and provisioning a PowerFlex solution.

## Prerequisites

To understand the content and successfully complete this course, a student must have a suitable knowledgebase/skill set. The student must have an understanding of:

- Storage networking infrastructures and concepts
- Monitoring and reporting concepts
- Virtualized data center concepts
- PowerFlex product concepts

## Course Objectives

Upon successful completion of this course, participants should be able to:

- Introduction to PowerFlex
- Install a PowerFlex system
- Implement Native asynchronous replication in a PowerFlex cluster
- Upgrade PowerFlex cluster from v3.5 to v3.6
- Perform a PowerFlex Cluster Expansion.
- Manage system user accounts and secure the PowerFlex system.
- Create, map, and protect PowerFlex volumes and manage system capacity.
- Monitor and Troubleshoot a PowerFlex System.

## Course Content

### Introduction to PowerFlex

- PowerFlex Overview
- PowerFlex Storage and Data Organization
- PowerFlex Integration and Management

### PowerFlex Installation

- Installation methods
- Storage Data Replicator (SDR)
- Adding SDR components to PowerFlex cluster
- Lab Exercise: Install PowerFlex

### PowerFlex Upgrade

- Upgrade overview
- Upgrade considerations
- Upgrade Procedure (ESXi)
- Lab Exercise: Upgrade PowerFlex

### PowerFlex Expansion

- Expansion overview
- Expansion pre-requisites
- Expansion procedure
- Lab Exercise: Expand a PowerFlex System

### Configuring the System

- User Roles and management
- User Authentication
- Add Protection Domain
- Lab Exercise: Create a Protection Domain
- Add Storage Pool
- Lab Exercise: Create a Storage Pool
- Add Acceleration Pool
- Lab Exercise: Create an Acceleration Pool
- Add Fault Set
- Lab Exercise: Create a Fault Set
- Modify Spare Capacity
- Administering Volumes
- Lab Exercise: Create and Map a Volume
- Lab Exercise: Migrate a Volume

### Data Protection Options

- Rebuild and Rebalance
- Snapshots and Snapshot Policy
- Lab Exercise: Create a Secure Snapshot
- Lab Exercise: Create a Consistency Group
- Lab Exercise: Create a Snapshot Policy
- Maintenance Modes
- Lab Exercise: Enter Maintenance Mode

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- Native Asynchronous Replication
- PowerFlex with CloudLink

## Managing System Objects

- Managing the Cluster Components
- Lab Exercise: Switching the Primary MDM
- Managing the SDS Components
- Managing the SDC Components
- Managing the Volume Components

## Monitoring and Troubleshooting

- Monitoring tools and activities
- Lab Exercise: Log Collection
- Troubleshooting a PowerFlex system

In addition to lecture and demonstrations, this course includes hands on lab and lab simulations designed to allow practical experience for the participant.

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## Training Centres worldwide



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