

## **EMC SAN COURSE CONTENT**

### ❖ **PART 1: FUNDAMENTALS OF STORAGE NETWORK FOUNDATIONS:**

- Direct Attached Storage (DAS)
- Networking Attached Storage (NAS)
- Storage Area Network (SAN)
- SCSI & iSCSI
- FCP, FCIP, IFCP and FCoE
- RAID concepts and Different Raid types
- What is RPO & RTO

### ❖ **PART 2: FIBER CHANNEL:**

- Understanding Fiber channel protocol
- Fiber channel Layers
- Fiber channel components
- Fiber Channel topologies & Addressing
- Identify SAN components

### ❖ **PART 3: BROCADE FC SWITCHES ADMINISTRATION:**

- Understand the Brocade Switch models
- List basic functions and components
- Identify Switch capabilities
- Installation & Setup
- Brocade zoning
- Presenting LUN's
- Identify WWN, Port IDs, and Domain IDs
- Understand the switch settings
- Use Management Tools
- Perform GUI configuration

### ❖ **PART 4 : BROCADE SWITCH ADMINISTRATION:**

- Perform Command Line configuration
- Managing Fabrics
- Brocade switch Routing & Brocade trunking
- Understand SAN topologies

### ❖ **PART 5: INTRODUCTION TO EMC CLARIION SERIES:**

- Understanding various Models of EMC Storage arrays
- Understanding EMC CLARiiON Features
- CLARiiON CX Architecture
- Basic CLARiiON Management

### ❖ **PART 6: EMC CLARIION MANAGEMENT:**

- Utilities to manage CLARiiON storage system
- Structure of Navisphere Manager
- Create and manage storage objects with Navisphere manager
  - Managing the storage system
  - Managing RAID Groups
  - Managing LUNS
- Create and manage storage objects with Navisphere CLI
  - Managing the storage system

- Managing RAID Groups
- Managing LUNS

❖ **PART 7: EMC CLARIION MANAGEMENT:**

- Lun masking using Access Logix
- Metalun and migration of LUN on the clarion
- Powerpath management
- Cache management
- Event Monitor
- Navisphere Analyzer

❖ **PART 8: EMC CLARION MANAGEMENT:**

- Overview of EMC Powerpath, Configure & Manage Powerpath
- Overview of Snapview, Configure and Manage snapview
- Overview of SANCopy, Configure SANCopy
- Overview of Mirror View, Configure Mirror View

