

24 HORAS

OVERVIEW

This course goes beyond simple administration and provides an in-depth understanding of how to leverage and optimize XtremIO features and capabilities in specific application areas. The course begins with providing hands-on coverage of operational aspects of the XtremIO environment, and then leads to XtremIO features and performance optimization. Lastly, it focuses on considerations and best practices for system integration with specific application use cases and the industry's leading data protection solutions such as RecoverPoint, VPLEX, and AppSync.

AUDIENCE

This course is intended for professionals responsible for implementing, managing, and supporting XtremIO storage systems.

PREREQUISITE KNOWLEDGE/SKILLS

- XtremIO foundational knowledge
- Connectivity protocols: IP, FC, iSCSI
- Basic understanding of Windows, UNIX, and other operating systems
- Virtualized data center concepts
- FC and iSCSI SANs
- Storage network troubleshooting and performance concepts
- Specific application architecture and functionalities – Oracle and VDI
- Data protection and business continuity fundamentals

COURSE OBJECTIVES

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

- Describe proper configuration and integration of XtremIO systems for end to end communication and all points in between
- Obtain maximum availability from a solution by properly configuring replication and proactive monitoring through alerts
- Analyze workloads and optimize for maximum performance thresholds
- Create custom reports to determine patterns and confirm with SLA guidelines
- Describe data protection capabilities of XtremIO using RecoverPoint, VPLEX, and AppSync
- Describe integration best practices for VDI and Oracle environments

COURSE OUTLINE

Module 1: XtremIO Overview and Access Requirements

- Components, models, and resources
- XtremIO Management Server

Module 2: XtremIO Cluster Management Interface

- Accessing XtremIO storage management applications (GUI, CLI)
- Management through REST APIs and Plug-ins

Module 3: XtremIO Storage Presentation

- Storage presentation and volume management
- Host configuration – Windows, Linux, ESXi, Solaris, AIX, and HP-UX
- Connectivity zoning best practices

Module 4: XtremIO Snapshots

- Snapshot features, capabilities, and operations

Module 5: XtremIO Features and Integration

- Encryption, Compression, and Deduplication
- XDP (XtremIO Data Protection)
- Integration with ViPR, ViPR SRM, EMC Connectrix Manager Converged Network Edition (CMCNE)
- Integration with Cisco Data Center Network Manager (DCNM)
- Integration with VMware – VAAI, VSI, Operations Manager
- Microsoft – ODX, ESI, and VSS Plug-in

Module 6: XtremIO Performance and Reporting

- Performance overview
- XtremIO reports and host tools
- Common performance issues

Module 7: Protecting XtremIO Data

- RecoverPoint Integration
- Configuring XtremIO with RecoverPoint*
- RecoverPoint Recovery Operations
- Integration with VPLEX
- Integration with AppSync

Module 8: XtremIO Application Integration

- Integration with Oracle environments
- Integration with VDI environments

Module 9: XtremIO Management Operations

- Managing alerts and power procedures
- Generating log files and IP modifications