



Optimizing Storage Services for Applications with XtremIO and X2

Duration: 3 Days **Course Code: XIO4APPS**

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 and VPLEX.

Target Audience:

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

Objectives:

- 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 and basic troubleshooting
 - 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
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Prerequisites:

- 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
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Content:

XtremIO Overview and Access Requirements

- Components, models and resources
- XtremIO Management Server

XtremIO Cluster Management Interface

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

XtremIO Storage Presentation

- Storage presentation and volume management
- Host configuration – Windows, Linux, ESXi, Solaris, AIX, and HPUX
- Connectivity Zoning best practices

XtremIO Snapshots

- Snapshot features, capabilities, and operations

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

XtremIO Performance and Reporting

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

XtremIO Data Protection

- RecoverPoint native integration with XtremIO arrays
- RecoverPoint operations and management
- Implementing XtremIO into a VPLEX Cluster

XtremIO Application Integration

- Integration with Oracle environments
- Integration with VDI environments

XtremIO Advanced Management Operations

- Managing alerts and power procedures
- Generating log files, and IP modifications
- Space reclamation and shrinking deduplication rates

Further Information:

For More information, or to book your course, please call us on 00 20 (0) 2 2269 1982 or 16142

training@globalknowledge.com.eg

www.globalknowledge.com/en-eg/

Global Knowledge, 16 Moustafa Refaat St. Block 1137, Sheraton Buildings, Heliopolis, Cairo