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## Optimizing Storage Services for Applications with XtremIO

**Duration: 3 Days**    **Course Code: XIO4APPS**    **Delivery Method: Virtual Learning**

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### 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.

### Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

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### Target Audience:

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

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### 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

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## Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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