

ScaleIO and Ready Node Implementation and Management

Course Outline

The content of this course is designed to support the course objectives.

- Introduction to ScaleIO
 - Introduction to Problem of Practice
 - Introduction to ScaleIO
 - ScaleIO Architecture
 - Use Cases

- Solution Design
 - Topology and Component Design
 - Network Requirements
 - Calculating Cache and Volume Requirements
 - Finalize the Design

- ScaleIO Installation
 - ESXi installation process
 - Upgrade Procedures
 - Expand the Cluster
 - Integration with OpenStack

- A Day in the Life of the ScaleIO Admin
 - Data Center with ScaleIO
 - The Working Case Overview

- System Management
 - Management Interfaces
 - ScaleIO CLI
 - ScaleIO GUI
 - VMware Plugin
 - OpenStack
 - ScaleIO REST API

- Configuring the System
 - Security and User Management
 - Adding System Capacity

- Administering Volumes
 - Manage Volumes
 - Host Operations
 - Volume Protection

- Managing System Objects
 - Managing the Cluster Components
 - Managing the System Components
 - Managing the Volume Components

- Monitoring ScaleIO
 - Why Monitoring is Important
 - Monitoring System Health
 - Event Logging and Alerts
 - ScaleIO System Performance

- ScaleIO Troubleshooting
 - ScaleIO Troubleshooting
 - Using Logs for Triage
 - Troubleshooting Common Issues