



# Optimizing Storage Environments: Technologies and Systems

### Training Overview

#### What You'll Learn:

- Considerations for making storage decisions today, and in the future
- How to establish requirements for storage needs
- Gain in-depth knowledge of current and emerging storage technologies, designs and solutions
- Understand strategies for managing the challenges of storage growth, cost containment while meeting service level objectives
- Gain access to Evaluator Group's unique tools and in-depth knowledge of storage technology
- Utilize tools and techniques for comparing products on an 'apples-to-apples' basis, and strategies for selection

#### Who should Attend:

Individuals involved in making storage system and strategy decisions, and anyone seeking an in-depth and highly applicable understanding of today's Enterprise Storage.

#### Training Environment:

- Lively interaction with instructors and peers in a group setting
- Unbiased objective insight from industry leading experts
- Participate in detailed discussions of storage architectures, including networking, virtualization, data management, and Cloud Computing

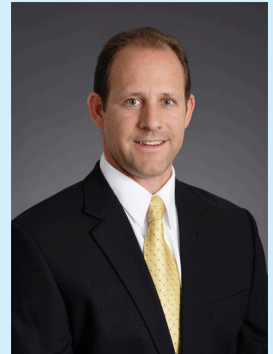
"By far the most informative and comprehensive course led by professionals. I can't fully describe how much I enjoyed the class. Thanks,"

- Vendor Attendee

"Great concentrated source of information. Well worth the time."

- Storage Management Lead Analyst, Conoco-Phillips Inc.

### Instructors



**Russ Fellows**



**Randy Kerns**

#### Join Us:

February 8 - 9, 2012  
8:30 am - 5:30 pm  
Hotel Boulderado  
Boulder, CO

**or**

February 14 -15, 2012  
8:30 am - 5:30 pm  
The Netherlands

Course Cost: \$1199,  
\$699 for ESR subscribers

[www.evaluatorgroup.com/it-professionals/advance-education](http://www.evaluatorgroup.com/it-professionals/advance-education)

# Evaluator Series™ Advanced Storage Education - Optimizing Storage Environments: Technologies and Systems

## Day 1: Developing the Strategy and Understanding the Technologies

**On this first day, students will develop the skills to architect and manage the development of a storage strategy. The second half covers new technologies that are transforming and optimizing storage.**

What is a Storage Strategy?

Why it is important

What are the elements

Factors Affecting IT in Providing Information Storage

Capacity Demand - Growth, Provisioning & Data Protection

Economics - CAPEX and OPEX management

Operational Requirements - Security and Governmental Compliance

Technology Development - Taking Advantage of New Developments and Transitions

External Influences - Managing Trends and Vendors

Establishing Requirements - Involving your Customers, Taking Inventory

Architecting for the Short and Long Term

Technologies for the Solutions - What are they, how they work and what to leverage

Virtualization (Server, Storage and VDI)

Block vs File vs Unified Storage

Networking and New Protocols

Tiering - From Primary to Archive

Deduplication

Data Protection Strategies - From Mirroring to Backup

ITaaS - Cloud and your strategy

## Day 2: Deep Dive Into the Products and Their Capabilities

**This day reviews the top vendor products and capabilities. Students will gain a strong grasp, not only on their needs, but also which solutions will address their strategy.**

Block-Based Storage

Product Architecture

Replication

Advanced Features and Abilities

Availability Functionality

Performance Expectations

Scalability Approach and Capability

Economics and Measurements

Storage Virtualization Products

File - Based Storage

Replication

Advanced Features

Availability Functionality

Performance Expectations

Scalability - Scale Out vs Clustered

Economics

Storage Management Products

Archive

Approach for Validation and Next Steps

### Vendor Products Covered in Day 2

Hi - End Block: HDS - VSP, IBM- DS8000, EMC-VMAX, HP - 3PAR

Mid-Range Block - HDS AMS, LSI, HP EVA, P4000, IBM V7000, XIV, EMC VNX, Dell (Compellent, Equallogic),  
NetApp, XIO

NAS - BlueArc, EMC VNX, HP x9000, IBM SONAS, EMC ISILON, VNX, NetApp

