

Information Storage Strategies

Skills and expertise to help you increase your knowledge in the field of storage technologies

Course Highlights

Training will be delivered by an experienced trainer with 25+ years of career experience imparting education and training services both locally and internationally and have served international enterprise technology vendors including IBM, Fujitsu, and ICL.

Our instructor holds various industry professional certifications in the space of enterprise servers and storage technologies, Information Security, Enterprise Architecture, ITIL, Cloud, Virtualization, Green IT, and a co-author of 10 IBM Redbooks.



Data Storage Strategy is the long-term direction for storing and managing information. Remember, all data is not created equal and understanding the business value of data is critical for defining the storage strategy. Moreover, buying leading-edge storage products is not always the best option for most businesses, but make sure you do not get caught out as your needs expand or technology. Businesses need to be aware of technology directions therefore, a data storage strategy should be based on sound capacity planning procedures and a good knowledge of business guidelines. Storage product that leaves a business locked to a particular supplier should be avoided plus much more that we shall be covering in this session.

As a part of a successful strategy, this workshop shall enable our clients in developing their storage strategy skills enabling them working should-to-shoulder with their vendor and partners teams to meet their business objectives and targeted goals.

Prerequisites:

Participants attending this course should be familiar with basic Information Technology (IT) concepts and the role of general storage systems technology.

This one day face-to-face instructor led class is designed to develop storage technology skills and strategies associated with managing the explosive growth of business data across the enterprise in today's networked economy.

This workshop is specially designed to enable resources with necessary skills where individuals can identify the mandatory components for developing a reliable storage solution considering their business strategy.

Workshop Prerequisite:

Basic understanding of storage technologies like DAS, SAN, NAS, iSCSI, is a prerequisite.

Unit 1 – Information Storage – Demand and Evolution

- Types of Storage Technologies and Subsystems.
- Data Center Storage Evolution.
- Which storage technology to select? and
- Understand Information Storage.
- Our world – and how we interact with it – is changing.
- Describe System of Records, System of Engagement and Systems of Interactions.
- Exponential Data Growth – Some key facts and figures.
- Understand Mean Time Between Failures – Hard Disk Drives.
- The Main Dilemma.
- Client responses to Performance gap – Following the shortcuts.

- Race to Zero Latency – Latency plays an important role.
- The Evolution of Storage technologies and future.
- Meeting the demand for data storage – Cloud Storage Trends.
- What is driving the paradigm shift to Cloud Services?
- Cloud Storage Models, Cloud Storage Types and their applications.
- What are the negatives to storage cloud?
- Top Security Concerns for Cloud-Based Storage Services.
- 5 Questions you should ask your Cloud Services Provider
- Top 5 Cloud Storage Security Challenges.
- Storage demand in a Nut-Shell.
- Storage Comparison Matrix – Entry to Mid to Enterprise.
- Change in technological perception in the global community.
- Knowing the way forward from Data Storage Technology perspective.

Unit 2 – Building a Data Storage Strategy

- Understand Fault Tolerance and Fault Resilience.
- Some basic steps in developing a storage strategy.
- Understanding the role of TOGAF? An Open Group Standards.
- The four essential pillars of TOGAF Architecture Framework and Architecture Development Method.
- Storage Strategy Defined.
- Need for Storage Strategy.
- Responsibility for the Strategy
- Strategy Contents.
- Developing the Strategy
- Building the Storage Strategy.
- Five components of a data protection strategy.
- Storage Strategy – Components that you cannot ignore.



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The unprecedented rise of data is something that meant that IT storage industry specialists have needed to take into consideration as a primary challenge when preparing for building data storage strategy.

TLC have designed and developed a series of five storage workshops with a vision to fill the global storage resource gap. Visit the following link to view all of our education and training services page. www.tlcpak.com/educ.html



The Dilemma

Organizations need to come up with smarter **storage strategies** to deal with their exploding data, as opposed to continuing with the traditional behavior of simply adding on more capacity, which is not a long-term viable solution.

Opportunities are made, not found

Unit 3 - Storage & Data Management Methodologies

- Understanding Data Management.
- Understanding Data Lifecycle Management.
- Why Storage Management.
- Storage Management Challenges.
- Storage Vs Data Classification.
- Information Lifecycle Management.
- ILM – Three Storage Strategies.
- Data Classification.
- Differentiating ILM and DLM management systems.
- Hierarchical Storage Management.
- Understanding Data De-Duplication.
- Importance of Virtual Tape Library.

Unit 4 - Performance – Impact and Measurement

- Pressures on senior management.
- Challenges and Needs – Where we stand today?
- Storage management challenges.
- The storage dilemma – Apart from Flash Storage
- Storage types and subsystems.
- Which storage technology is best?
- Understanding I/O Performance.
- Business requirements – Reduce cost, minimize risk and improve services.
- Concepts behind storage efficiency technologies.
- Consideration prior investing in new storage solution.
- IO Performance needs monitoring at every level.
- Storage – Planning for Performance.
- Storage Planning and Rotating Media Selection.
- Understanding Wear Leveling in SSD Technologies.
- Understand Over Provisioning and Thin Provisioning.
- Optimizing storage.
- Storage Performance Troubleshooting Methodology.
- Understanding your workload and Basic Metrics.
- About Storage Performance Council.

- Storage Performance Testing .
- Types of Storage Performance Testing.
- Typical Mistakes during storage performance testing.

Target Audience

- Sales Specialists who want to refresh and expand their storage knowledge in the area of Software Defined Storage and Object Storage technologies.
- Technology sales people who want change their professional from other discipline to storage sales specialist.
- People who want to start their career as a Technology consultants and System Integrators.
- End-users who want to expand their knowledge in Cloud and Storage technologies.
- Students of engineering universities who want to embark their career in the field of Information Technology as a storage pre/post sales specialists.

A comprehensive student guide with detailed notes shall be provided to each student as a part of this course.

This course can also be conducted for customers at their premises in Karachi, Lahore and Islamabad.

Detailed Information

Course Code : TN186
 Course Duration : 2 Day Online Workshop
 Course Location : TLC, Online, and Customer On-site.

Terms & Conditions :100% payment in advance.
 Course Deliverable: Comprehensive Student Guide and Course Certificate



For additional information, please write to us at: info@tlcpak.com