

One day Face-to-Face Workshop



Unit 1: Business Resilience, Data Protection and Storage Challenges

- Understanding new challenges of Digital Transformation.
- What is Business Resilience and why?
- Business Resilience Strategy and ISO 22301.
- Benefits of a Business Continuity Management System
- The impact of Business Resilience and Data Protection.
- Understanding Fault Tolerant and Fault Resilience.
- Storage types and subsystems.
- Which storage technology is best?
- Pressure on IT and senior management teams.
- Business requirements.
- Information explosion – The growth.
- Reduce cost, minimize risk and improve services.
- Backup and restore strategy and solutions.
- Latency – Why it is an important fact to consider?
- Consideration prior investing in new storage solution.

For additional details on other workshops, please visit:
<https://www.tlcpak.com/educ.html>

Send us the nominations at:
<https://www.tlcpak.com/nomination1.html>

About this workshop –

Data protection contains much more than just adopting basic backup and recovery techniques, extending to issues related to data corruption, retention and data loss, data accessibility and availability, data confidentiality and sanitization, and compliance.

In a nut-shell, this workshop shall cover factors to consider for data protection at the storage level and offers detailed best practices to the followings:

- Understand drivers for Data Protection to protect both physical and logical data.
- Recovery of business critical data in the event of a disaster following Business Continuity Management.
- Determine appropriate backup retention periods.
- Classify and archive sensitive data according to regulatory and policy requirements.
- Secure data to meet suitable data compliance regulations.
- Determine appropriate backup retention periods, ILM and DLM.

Unit 2: Information Infrastructure Challenges and Storage Securities

- Differentiate between Security & Information Security.
- Business and Technology needs and priorities.
- Consequences of data security breaches.
- Types of threats to Information Security.
- What is information infrastructure and its challenges.
- Information Infrastructure model.
- Components of information infrastructure solution.
- Multiple layers of securities.
- Data replication technologies.
- Access Control – Authentication and Authorization.
- Understanding Encryption – Symmetric and Asymmetric.
- Why encryption is essential.
- Fabric-based encryption for data-at-rest.
- About Self-Encrypting Devices.

Unit 3: Storage and Data Management Methodologies

- Why Storage Management.
- Storage Management Challenges.
- SMI-S and Benefits.
- Storage Vs Data Classification.
- Information Lifecycle Management.
- ILM – Three Storage Strategies.
- Data Classification.
- Difference between ILM and DLM.
- Hierarchical Storage Management.
- Understand Data Protection & Methods.
- Types of Backups – Full, Incremental & Differential.
- Understand Snapshot & Continuous Data Protection technologies.
- Importance of Virtual Tape Library.
- About Data De-duplication technology.
- Data De-duplication Example.

Unit 4: Data Protection Best Practices using Common Data Protection Technologies

- Five phases of the data protection life cycle
- Data Protection Overview.
- Examining the Cost of a Data Breach
- The two faces of Data Protection.
- Data Protection and Digital Archives.
- Key drivers of Data Protection.
- Data Corruption and Data Loss, Data Protection Algorithms.
- Continuous Data Protection, Replication and Mirroring.
- Data Protection in the Cloud.
- Accessibility and Availability , Replication – Multi-Site.
- Business Continuity Management.
- Basic Infrastructure Resiliency.
- Data Compliance, Data Retention and Disposition.
- Data Authenticity, Data Integrity, Data Confidentiality and Sanitization.
- Data Monitoring, Auditing and Reporting.
- Using storage backup recovery tools following SNIA data protection best practices and knowing their complete set of pros and cons.

