

Introduction to IT Disaster Recovery

This is a one-day seminar, combining lecture with a hands-on, case-study based workshop that explains the methodology and techniques that have proved successful for building and sustaining IT Disaster Recovery capabilities. It strikes a balance between extending Business Continuity Management into the data center and giving IT application and infrastructure specialists the tools for building plans to recover the systems for which they are responsible. Moreover, the class addresses building a Disaster Recovery Program to sustain recoverability over time.

Intended audience: Business Continuity managers and staff, application developers, system administrators, IT operations personnel, IT and Financial Auditing managers and staff, IT-knowledgeable Risk Managers, Information Security managers and staff

Learning objectives: Participants in this seminar will learn:

- The relationship between IT Disaster Recovery and Business Continuity Management
- The elements of IT disaster risk
- How to perform a data center Risk Assessment and an application-based Business Impact Analysis
- Disaster Recovery and resilience strategies
- Testing Disaster Recovery Plans
- Disaster Recovery maintenance and sustainability

Seminar outline:

- A. Business Continuity Planning Essentials
 - a. Disaster Recovery Planning as a subset of Business Continuity Planning
 - i. Current State Assessment
 - ii. Risk Assessment
 - iii. Business Impact Analysis
 - iv. Strategy
 - v. Implementation
 - vi. Testing
 - vii. Maintenance
 - b. Drawing the Disaster Recovery Plan from business needs
- B. Risk Assessment and Business Impact Analysis for Disaster Recovery
 - a. NFPA 1600 standard
 - b. Risk Assessment
 - i. Data gathering forms
 - ii. Reporting
 - c. Business Impact Analysis
 - i. Data gathering forms
 - ii. Reporting
 - d. *Case study*
- C. Disaster Recovery Strategy

- a. Determining strategic approaches
 - i. Organization-owned data center
 - ii. Commercial recovery site
 - iii. Cloud-based recovery (Disaster Recovery as a Service or DRaaS)
 - b. Hybrid strategies
 - c. Cost-benefit analysis
 - d. *Case study*
- D. Plan Documentation
- a. High-level general Disaster Recovery Plan
 - b. Functional and technical plans
 - c. Development process
 - d. Level of detail
- E. Testing the Disaster Recovery Plan
- a. Table-Top Test
 - b. Live Test
 - c. Planning and scheduling
 - d. Execution and follow-up
 - e. *Case study*
- F. Sustaining IT Recoverability
- a. Disaster Recovery Coordinator
 - b. Training
 - c. Maintenance
 - d. Continuous improvement
- G. Conclusion

Seminar logistics: This is a one-day seminar (8 hours). Because of the intensive case study workshop, the seminar attendance should be limited to approximately 35 people.

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