Certified Data Centre Risk Professional

Course Duration:40 Hours **Course code: EXIN EPI**

1. Course Overview

This course is designed for IT and data center professionals responsible for identifying, assessing, and mitigating risks within data center environments. Participants will learn to implement risk management frameworks, business continuity strategies, and compliance measures to ensure operational resilience and minimize potential downtime or data loss.

2. What you'll learn?

By the end of the course, learners should be able to:

- Understand data center risk management concepts and frameworks
- Identify and assess operational, security, and environmental risks
- Develop risk mitigation strategies and business continuity plans
- Implement security, compliance, and audit processes
- Monitor and report on risk posture effectively
- Respond to incidents with minimal disruption
- Apply best practices for ongoing risk management

3. Target Audience

- Data center managers and administrators
- IT risk and compliance officers
- Security and operations professionals
- Project managers overseeing critical IT infrastructure

4. Pre-Requisites

Familiarity with:

- Data center infrastructure (servers, storage, networking, virtualization)
- IT security fundamentals
- Business continuity and disaster recovery concepts

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- Basic risk assessment methodologies

5. Course content

Module 1: Course Introduction

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Module 2: Introduction to Data Center Risk Management

- Definition and importance of risk management
- Types of risks in a data center (operational, security, environmental, compliance)
- Risk management lifecycle
- Business impact analysis

Module 3: Risk Identification

- Asset inventory and classification
- Threats and vulnerabilities
- Dependency mapping for critical services
- Risk registers and documentation

Module 4: Risk Assessment and Analysis

- Risk likelihood and impact evaluation
- Qualitative and quantitative assessment techniques
- Risk scoring and prioritization
- Risk heat maps

Module 5: Risk Mitigation Strategies

- Redundancy and failover mechanisms
- Security controls and access management
- Data backup and recovery strategies
- Environmental and physical risk controls

Module 6: Business Continuity and Disaster Recovery

- Business continuity planning (BCP)
- Disaster recovery planning (DRP)
- Recovery Time Objectives (RTO) and Recovery Point Objectives (RPO)
- Testing and maintaining BCP/DRP plans

Module 7: Security and Compliance Management

- Regulatory requirements and standards (ISO 27001, PCI-DSS, etc.)
- Data protection and privacy
- Audit and compliance reporting
- Incident response planning

Module 8: Monitoring and Risk Reporting

- Key risk indicators (KRIs) and metrics
- Risk dashboards and reporting tools
- Continuous monitoring frameworks
- Risk communication and stakeholder management

Module 9: Incident Management and Response

- Types of incidents and impact analysis
- Escalation procedures
- Root cause analysis and corrective actions
- Post-incident review and lessons learned

Module 10: Automation in Risk Management

- Risk assessment and monitoring tools
- Automation frameworks for alerting and reporting
- Integration with IT operations and security systems

Module 11: Case Studies and Real-World Scenarios

- Data center risk assessments

- Risk mitigation planning exercises
- Incident response simulation
- Lessons from real-world data center failures

Module 12: Course Wrap-Up

- Summary of key concepts
- Recommended resources for further learning
- Certification preparation tips

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