

Disaster Recovery: RTO/RPO & Azure Site Recovery

2 Days

DURATION

11

MODULES

32

TOPICS

LEARNING OBJECTIVES

- Explain the scope and significance of disaster recovery
- Differentiate disaster recovery from business continuity planning
- Assess risks and impacts of natural, technical and human-caused disasters
- Define Recovery Time Objective and Recovery Point Objective
- Plan recovery strategies such as cold site, hot site and cloud-based DR
- Compare backup types and data storage options for recovery
- Apply cloud-based DR technologies such as Azure Site Recovery
- Evaluate DR testing methods and compliance standards such as ISO 22301

11 Modules, 32 Topics

DAY 1 Foundations and Planning

01

Introduction to Disaster Recovery (DR)

TOPICS

- Understanding the scope and significance of DR
- Differentiating between Disaster Recovery, Business Continuity, and Crisis Management
- Regulatory and compliance requirements

02

Types of Disasters and Risk Assessment

TOPICS

- Natural, technical, and human-caused disasters
- Risk identification and impact analysis
- Threat modeling and vulnerability assessment

03

Business Impact Analysis (BIA)

TOPICS

- Defining Recovery Time Objective (RTO) and Recovery Point Objective (RPO)
- Identifying critical business functions and assets
- Mapping dependencies and interrelations

04

Disaster Recovery Planning (DRP)

TOPICS

- Steps in creating a disaster recovery plan
- Roles and responsibilities in DR
- Selecting recovery strategies (e.g., cold site, hot site, cloud-based DR)

05

Data Backup and Recovery Techniques

TOPICS

- Backup types (full, incremental, differential)
- Data storage options (on-premise, cloud, hybrid)
- Recovery testing and verification methods

06

Case Study and Group Discussion

TOPICS

- Analyze real-world disaster recovery scenarios
- Group activity to draft a sample DR plan

DAY 2

Implementation and Execution

01

Disaster Recovery Technologies

TOPICS

- Virtualization and disaster recovery
- Cloud-based DR solutions (e.g., Azure Site Recovery, AWS Disaster Recovery)
- Automated DR tools and platforms

02

Incident Response and Crisis Communication

TOPICS

- Coordination with emergency services and stakeholders
- Communication protocols before, during, and after a disaster
- Internal and external messaging best practices

03

Testing and Maintenance of DR Plans

TOPICS

- Types of DR testing (tabletop, simulation, full interruption)
- Frequency and documentation of tests
- Plan review, audits, and continuous improvement

04

Legal, Regulatory, and Ethical Considerations

TOPICS

- DR compliance standards (ISO 22301, NIST, GDPR)
- Ensuring data security and privacy
- Ethical decision-making in disaster scenarios

05

Disaster Recovery in IT and Cybersecurity Contexts

TOPICS

- Cyberattacks and ransomware recovery strategies
- IT asset restoration and business continuity alignment
- Recovery of critical infrastructure and applications

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

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