Disaster Recovery Professional (EDRP) Training Course

Professional Development Training Course Outline

Category	Defense and Security	**Duration**	10 Days
Base Fee	$3,000 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Disaster Recovery has become a critical competency for organizations facing increasing threats from cyberattacks, infrastructure failures, natural disasters, and operational disruptions. As digital transformation expands across all sectors, protecting mission-critical systems and ensuring business continuity has become more complex and strategically important. Disaster Recovery Professional (EDRP) Training Course equips professionals with the knowledge, tools, and hands-on frameworks required to design, implement, and maintain robust disaster recovery and business continuity strategies aligned with global standards. Through practical learning and technical insights, participants gain strong skills in risk assessment, recovery planning, data protection, and IT resilience.

The course emphasizes actionable techniques for developing organizational resilience, enhancing infrastructure reliability, and aligning recovery processes with regulatory and industry compliance requirements. Participants will explore cutting-edge disaster recovery technologies, cloud-based resilience mechanisms, virtualization recovery, and data replication strategies. With real-world case studies and scenario-based exercises, this program builds the capacity to implement reliable disaster recovery solutions that minimize downtime, protect institutional assets, and support uninterrupted organizational performance.

Programme Curriculum

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Course Objectives

1. Understand foundational principles of disaster recovery and business continuity.
2. Identify critical risks affecting IT systems, infrastructure, and operations.
3. Develop comprehensive disaster recovery plans using global best practices.
4. Implement business impact analysis techniques for effective planning.
5. Apply modern backup, archiving, and data replication technologies.
6. Strengthen organizational resilience through strategic preparedness.
7. Assess vulnerabilities within physical, virtual, and cloud environments.
8. Design recovery time objectives and recovery point objectives aligned with business needs.
9. Implement tools for continuous monitoring and early-warning threat detection.
10. Develop structured incident response and recovery activation procedures.
11. Align disaster recovery frameworks with regulatory and industry compliance standards.
12. Conduct disaster recovery testing, evaluation, and performance enhancement.
13. Strengthen institutional capacity to ensure long-term operational continuity.

Organizational Benefits

- Increased resilience and preparedness against operational disruptions
- Stronger protection of mission-critical systems and business processes
- Reduced downtime through structured disaster recovery mechanisms
- Improved regulatory compliance and risk management
- Enhanced data protection, backup, and recovery capabilities
- Standardized policies for continuity planning across departments
- Strengthened cybersecurity posture and infrastructure defense
- Efficient resource allocation for preparedness activities
- Improved stakeholder confidence and institutional reliability
- Enhanced strategic decision-making for crisis management

Target Audiences

- Disaster recovery specialists and IT continuity planners
- Cybersecurity and information security professionals
- IT infrastructure and systems administrators
- Business continuity managers and risk officers
- Compliance and governance practitioners
- Cloud and virtualization engineers
- Operations managers and IT service delivery teams

- Emergency response and crisis management personnel

Course Duration: 10 days

Course Modules

Module 1: Foundations of Disaster Recovery & Business Continuity

- Understand the core concepts, terminology, and principles of DR and BC
- Explore the evolution of disaster recovery frameworks and industry standards
- Identify critical risks affecting IT continuity across various sectors
- Examine the role of governance and leadership in disaster preparedness
- Align DR planning with enterprise-wide strategic risk management
- Case Study: Disaster recovery failure caused by inadequate planning

Module 2: Risk Assessment & Vulnerability Analysis

- Conduct structured risk identification and threat mapping
- Assess vulnerabilities across physical, network, and application layers
- Evaluate environmental, operational, and cyber-related threats
- Prioritize risks using severity and probability scoring models
- Map risk interdependencies across organizational units
- Case Study: Infrastructure failure due to overlooked vulnerabilities

Module 3: Business Impact Analysis (BIA)

- Define essential functions and mission-critical processes
- Measure financial, operational, and reputational impacts of disruptions
- Identify dependencies between systems, departments, and assets
- Establish effective recovery time and recovery point objectives
- Document BIA findings for DR plan development
- Case Study: BIA guiding the redesign of enterprise recovery priorities

Module 4: Disaster Recovery Strategy Development

- Explore DR strategy types including hot, warm, and cold sites
- Select appropriate recovery strategies based on risk profiles
- Design DR architecture across data centers and enterprise systems
- Evaluate strategy effectiveness using cost-benefit analysis
- Build long-term institutional DR roadmaps
- Case Study: Strategy optimization for a hybrid infrastructure

Module 5: IT Infrastructure Resilience

- Strengthen server, storage, and network resilience techniques
- Implement redundancy and high-availability mechanisms
- Assess resilience gaps in existing infrastructure configurations
- Design scalable infrastructure-level failover capabilities
- Integrate resilience into daily IT operations
- Case Study: Network resilience failure during severe outage

Module 6: Data Backup & Recovery Solutions

- Explore modern backup technologies and architectures
- Apply backup retention policies aligned with regulatory standards
- Implement offsite, onsite, and cloud-based backup methods
- Evaluate recovery performance using backup validation techniques
- Improve data integrity through automated backup testing
- Case Study: Successful recovery following critical data corruption

Module 7: Virtualization & Cloud-Based Recovery

- Use virtualization to enable rapid failover and replication
- Implement cloud-based disaster recovery solutions
- Integrate hybrid and multi-cloud recovery strategies
- Manage virtual infrastructure replication and snapshot techniques
- Evaluate cloud vendor compliance and risk factors
- Case Study: Cloud recovery success following a data center outage

Module 8: Emergency Response & Incident Activation

- Establish incident response protocols and command structures
- Implement communication plans for crisis coordination
- Activate DR plans through structured escalation pathways
- Coordinate multi-team emergency response initiatives
- Document lessons learned after emergency activation
- Case Study: Rapid response during a regional system blackout

Module 9: Recovery Procedures & Restoration Planning

- Develop step-by-step restoration procedures for critical systems
- Establish operational workflows for post-disaster recovery
- Coordinate restoration efforts across departments and vendors
- Validate restored systems for functionality and integrity
- Integrate restoration steps into wider BC frameworks
- Case Study: Complex multi-system recovery after ransomware attack

Module 10: Disaster Recovery Documentation

- Create comprehensive DR policies, procedures, and manuals
- Document asset inventories, dependencies, and workflows
- Standardize templates for DR activation and reporting
- Maintain version control for DR documentation updates
- Train staff on documentation usage and interpretation
- Case Study: Documentation gaps causing delayed recovery

Module 11: DR Testing & Simulation Exercises

- Explore DR testing methods including tabletop and full interruption tests
- Design realistic simulation exercises for system recovery
- Evaluate test results and identify systemic weaknesses
- Strengthen institutional familiarity with recovery procedures
- Integrate test outcomes into DR improvement plans
- Case Study: Simulation revealing hidden infrastructure dependencies

Module 12: Business Continuity Integration

- Align DR strategies with BC frameworks and organizational policies
- Integrate continuity requirements into process and system design
- Coordinate cross-departmental BC planning initiatives
- Enhance interdependency visibility across organizational functions
- Build BC dashboards and monitoring tools
- Case Study: BC-DR alignment preventing major operational breakdown

Module 13: DR Governance & Compliance

- Review regulatory requirements affecting disaster recovery
- Implement governance structures supporting compliance monitoring
- Audit DR performance using compliance metrics and indicators
- Build accountability mechanisms across leadership levels
- Incorporate compliance into DR documentation and reporting
- Case Study: Regulatory audit identifying inadequate DR governance

Module 14: Emerging Technologies in Disaster Recovery

- Explore AI-driven resilience tools and automation technologies
- Integrate machine learning for predictive risk and anomaly detection
- Assess the role of blockchain in secure recovery processes
- Evaluate next-generation DR technologies and market trends
- Integrate modern tools into enterprise continuity programs
- Case Study: Automated failover using AI predictive analytics

Module 15: Enterprise-Level DR Program Implementation

- Build institution-wide DR implementation plans
- Coordinate DR initiatives across branches, regions, and departments
- Establish long-term investment strategies for resilience
- Strengthen workforce capability through training and awareness
- Monitor and evaluate DR program maturity
- Case Study: Organization-wide DR program achieving full compliance

Training Methodology

- Instructor-led presentations supported by practical demonstrations
- Hands-on group exercises on disaster recovery planning
- Case study analysis and scenario-based discussions
- Simulation exercises and DR drill activities
- Templates, checklists, and technical toolkits for practical adoption
- Action planning for organizational disaster recovery implementation

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
21 Sep 2026	02 Oct 2026	Online	$2,000
21 Sep 2026	02 Oct 2026	Physical	$3,000
21 Sep 2026	02 Oct 2026	Physical	$0
21 Sep 2026	02 Oct 2026	Physical	$0
21 Sep 2026	02 Oct 2026	Physical	$0
21 Sep 2026	02 Oct 2026	Physical	$0
21 Sep 2026	02 Oct 2026	Physical	$0
21 Sep 2026	02 Oct 2026	Physical	$0

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