BLACKBIRD FOR TRAINING

Disaster Recovery Management Using Artificial Intelligence and Cloud Solutions

31 October – 4 November 2027
Cairo (Egypt)



Disaster Recovery Management Using Artificial Intelligence and Cloud Solutions

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Introduction

In today's digital world, organizations heavily rely on IT systems to run their operations. Any disruption in these systems can have a significant impact, making Disaster Recovery DR an essential component of business continuity planning. This course is designed for IT professionals aiming to specialize in Disaster Recovery Management, equipping them with the latest strategies, tools, and best practices to safeguard their organization's IT infrastructure against unforeseen events. Participants will learn how to design, implement, and manage Disaster Recovery Plans DRP to ensure minimal downtime and quick restoration of services. The course also covers modern techniques such as cloud-based DR, automation, and leveraging AI for predictive analytics, helping participants stay ahead in the fast-evolving IT landscape.

Course Objectives

By the end of this course, participants will be able to:

- Understand the fundamentals of Disaster Recovery DR and its importance in the broader context of business continuity.
- Design and implement robust Disaster Recovery Plans DRP tailored to specific organizational needs, including on-premise, cloud, and hybrid environments.
- Utilize modern technologies such as AI and automation to enhance Disaster Recovery processes and reduce Recovery Time Objectives RTO.
- Conduct comprehensive risk assessments and develop strategies to mitigate potential threats to IT infrastructure.
- Regularly test and update Disaster Recovery Plans to ensure they remain effective and aligned with current industry standards.
- Coordinate with cross-functional teams to ensure a seamless response during a disaster, minimizing operational impact.
- Evaluate and select the right Disaster Recovery Solutions and vendors based on organizational requirements and budget constraints.



Course Outlines

Day 1: Introduction to Disaster Recovery and Business Continuity

- Overview of Disaster Recovery and Business Continuity Planning.
- Key concepts and terminology in Disaster Recovery.
- The role of a Disaster Recovery Manager in an organization.
- Assessing the importance of Disaster Recovery in IT and business operations.

Day 2: Risk Assessment and Business Impact Analysis

- Conducting comprehensive risk assessments for IT systems.
- Understanding Business Impact Analysis BIA and its role in Disaster Recovery planning.
- Identifying critical IT assets and prioritizing recovery efforts.
- Developing risk mitigation strategies and setting Recovery Point Objectives RPO.

Day 3: Designing and Implementing Disaster Recovery Plans

- Creating tailored Disaster Recovery Plans DRP for various IT environments on-premise, cloud, hybrid.
- Leveraging cloud-based Disaster Recovery solutions.
- Incorporating automation and AI into Disaster Recovery processes.
- Data backup strategies and setting Recovery Point Objectives RPO.

Day 4: Testing, Maintenance, and Compliance

- Developing a Disaster Recovery testing strategy.
- Regular testing and updates of Disaster Recovery Plans to ensure effectiveness.
- Adhering to regulatory requirements and industry standards.
- Ensuring Disaster Recovery Plans are aligned with organizational goals and technological advancements.

Day 5: Managing a Disaster and Continuous Improvement

- Coordinating disaster response efforts across departments.
- Real-time monitoring and management of Disaster Recovery efforts.
- Post-disaster recovery and returning to normal operations.
- Continuous improvement of Disaster Recovery strategies through lessons learned and technological advancements.



Why Attend This Course: Wins & Losses!

- Practical Training: The course focuses on applying Disaster Recovery best practices and designing Disaster Recovery Plans DRP that align with the specific needs of your organization.
- Modern Technologies: Learn how to integrate AI and automation into your Disaster Recovery processes for greater efficiency and reduced recovery times.
- Specialized Course: This is a specialized training that equips you with the expertise in Disaster Recovery Management using cutting-edge tools and techniques.
- Career Opportunities: Completing this course opens career opportunities as a Disaster Recovery Analyst or Disaster Recovery Manager in large organizations.

Conclusion

This comprehensive course offers an in-depth understanding of Disaster Recovery DR, providing participants with the skills to design, implement, and manage effective Disaster Recovery Plans DRP. By focusing on modern tools like AI, automation, and cloud-based DR, participants will be able to minimize downtime and ensure fast recovery in case of a disaster. The course also ensures that participants are familiar with Disaster Recovery best practices and compliant with industry regulations.

By completing this course, you will acquire the skills to design and implement comprehensive Disaster Recovery Plans DRP that ensure business continuity, mitigate risks, and comply with regulatory standards across various IT environments.

