

# **DISASTER RECOVERY WITH IBM CLOUD VIRTUAL SERVERS**

## **PROBLEM DEFINITION AND DESIGN THINKING:**

### **1. Introduction**

- Explain the purpose of the document and provide context for the disaster recovery plan.

### **2. Executive Summary**

- Provide a brief overview of the disaster recovery plan, its importance, and its objectives.
- Highlight key findings and recommendations.

### **3. Scope and Objectives**

- Define the scope of the disaster recovery plan.
- List the objectives of the plan.

### **4. Stakeholders and Roles**

- Identify key stakeholders and their roles and responsibilities in the disaster recovery process.

### **5. Risk Assessment and Impact Analysis**

- Document the risks and potential impact of disasters or disruptions on business operations.
- Include risk mitigation strategies.

### **6. Business Impact Analysis**

- Describe the critical business functions, processes, and applications that need to be recovered.
- Prioritize these based on their criticality.

## 7. Recovery Time Objectives (RTO) and Recovery Point Objectives (RPO)

- Define the acceptable downtime and data loss tolerances for each critical function or application.

## 8. Backup and Replication Strategy

- Detail the backup and replication strategies for on-premises virtual machines to IBM Cloud Virtual Servers.
- Specify backup frequency and retention policies.

## 9. Testing and Validation

- Explain the testing process for recovery procedures.
- Include test scenarios, schedules, and outcomes.

## 10. Recovery Procedures

- Provide step-by-step recovery procedures for different disaster scenarios.
- Include contact information for key personnel.

## 11. Communication Plan

- Outline the communication plan for notifying stakeholders during a disaster.
- Include contact details and escalation procedures.

## 12. Maintenance and Updates

- Explain how the disaster recovery plan will be maintained and updated.
- Specify the frequency of plan reviews.

## 13. Training and Awareness

- Describe the training program to ensure that personnel are aware of their roles and responsibilities.

## 14. Dependencies and Resources

- List the dependencies and resources required for disaster recovery.
- Include hardware, software, and personnel resources.

## 15. Appendices

- Include any supplementary documents, checklists, or forms related to the disaster recovery plan.

## 16. Glossary

- Provide definitions for technical terms and acronyms used in the document.

## 17. Document Version History

- Keep a record of document revisions, including dates and descriptions of changes.

## 18. Approval and Sign-off

- Include spaces for stakeholders to approve and sign off on the document.

## **\*\*Conclusion\*\***

- Summarize the importance of the disaster recovery plan and the commitment to its implementation.