AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING

Project: Disaster Recovery with IBM Cloud Virtual Servers

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Abstract:

Safeguard business operations with IBM Cloud Virtual Servers. Create a disaster recovery plan for an on-premises virtual machine, ensuring continuity in unforeseen events. Test and validate the recovery process to guarantee minimal downtime. Become the guardian of business continuity, securing the future of your organization!

The project involves creating a disaster recovery plan using IBM Cloud Virtual Servers. The objective is to safeguard business operations by developing a plan that ensures continuity for an on-premises virtual machine in unforeseen events. This plan will include setting up backup strategies, configuring replication, testing the recovery process, and guaranteeing minimal downtime. The project encompasses defining the disaster recovery strategy, implementing backup and replication, validating recovery procedures, and ensuring business continuity.

Keyword:

- IBM Cloud Virtual Servers
- Disaster recovery
- Business continuity
- High availability
- Recovery point objective (RPO)
- Recovery time objective (RTO)

- Active-active replication
- Geographic Logical Volume Manager (GLVM)
- IBM Cloud Load Balancing for VPC

Design Thinking:

1. Disaster Recovery Strategy: Define the disaster recovery strategy and objectives, including recovery time objectives (RTO) and recovery point objectives (RPO).

2. Backup Configuration: Configure regular backups of the on-premises virtual machine to capture critical data and configurations.

3. Replication Setup: Implement replication of data and virtual machine images to IBM Cloud Virtual Servers to ensure up-to-date copies.

4. Recovery Testing: Design and conduct recovery tests to validate the recovery process and guarantee minimal downtime.

5. Business Continuity: Ensure that the disaster recovery plan aligns with the organization's overall business continuity strategy.