### Disaster Recovery with IBM Cloud Virtual Servers

Phase 1: Problem Definition and Design Thinking

Problem Definition:

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.

Design Thinking:

Disaster Recovery Strategy:

Define the disaster recovery strategy and objectives, including recovery time objectives (RTO) and recovery point objectives (RPO).

Backup Configuration:

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

Replication Setup:

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

Recovery Testing:

Design and conduct recovery tests to validate the recovery process and guarantee minimal downtime.

Business Continuity:

Ensure that the disaster recovery plan aligns with the organization’s overall business continuity strategy.