

Disaster Recovery (DR) & Business Continuity Plan

This project follows a **Warm Standby** strategy to balance recovery speed (RTO) and cost (RPO).

Recovery Objectives

Metric	Target	Description
RTO	< 30 Minutes	Time to restore service in a different region.
RPO	< 5 Minutes	Maximum acceptable data loss.

Strategy Components

- Cross-Region Replication:** ECR images and Terraform state files are replicated from the primary region (e.g., **us-east-1**) to the DR region (e.g., **us-west-2**).
- Database Backups:** Automated WAL (Write Ahead Log) shipping to a cross-region S3 bucket with **Object Lock** enabled to prevent ransomware deletion.
- Pilot Light Infrastructure:** Core networking (VPC/Subnets) is pre-provisioned via Terraform in the DR region, but compute (ECS) remains at zero capacity until a failover is triggered.