

Lab: Migrating a Sample Workload to AWS

Objective

Use AWS MGN (for EC2) and DMS (for DB) to simulate a lift-and-shift migration.

Part A: Console Steps

1. Set up AWS MGN for VM migration
2. Launch replication agent on source VM
3. Test cutover process
4. Set up DMS to migrate an on-prem DB to RDS
5. Monitor migration progress

Part B: Terraform Steps

1. Define RDS target DB (PostgreSQL or MySQL)
2. Create IAM roles for DMS
3. Define replication instance and endpoints (manual or reference)

Validation

- Test app in new EC2 post-migration
- Validate data replication with query checks