

Quarterly Cloud Service Audit Report

(Q3 2025)

Department: Operations (FinOps & SRE)
Audit Period: July 1, 2025 - September 30, 2025
Cloud Provider: AWS (Primary)
Auditor: [SRE Specialist 2]

1. Executive Summary

This audit reviewed adherence to the **Cloud Infrastructure Guidelines** across Security, Cost, and Operational Efficiency. Overall compliance is , with high marks in security tagging, but deficiencies noted in data lifecycle management for older backups.

2. Security and Compliance Findings

Area	Status (Pass/Fail)	Finding / Risk Level	Recommendation
Security Group Review	Pass	All production security groups adhere to the principle of least privilege.	None.
Data Residency	Pass	All client production data is stored in the designated MENA region (Bahrain).	None.
Unused Access Keys	Fail	5 IAM user access keys found to be older than 90 days without use.	Immediately rotate or delete the 5 identified keys (Critical Action).
Root Account MFA	Pass	Multi-Factor Authentication (MFA) enabled on all root accounts.	None.

3. Operational Efficiency & Reliability

Area	Status (Pass/Fail)	Finding / Risk Level	Recommendation
CI/CD Pipeline Integrity	Pass	Deployment pipelines are fully automated; Change Failure Rate is .	None.
Automated Backup Status	Fail	12 older (year) immutable backups of decommissioned data stores were not moved to deep cold storage.	Implement a lifecycle rule to automatically transition 1-year-old immutable backups to Glacier Deep Archive (Cost Saving Action).
Alerting Coverage	Pass	Monitoring coverage exceeds the SLO metric requirement.	None.

4. Cost Optimization Review

- **Underutilized Reserved Instances (RIs):** [2] RIs were identified as being tied to non-existent or downsized instances, leading to wasted spend.
 - **Action:** Modify or sell the RIs immediately to realize \$[Amount] in savings.
- **Networking Traffic:** High cross-region data transfer costs identified in the data replication process (avg. \$[Amount]/mo).
 - **Action:** Investigate refactoring the data replication strategy to minimize unnecessary transfers.

5. Audit Action Plan

Action Item	Risk Level	Owner	Due Date
Rotate/Delete 5	Critical	[Security Officer]	2025-10-15

unused IAM Access Keys.			
Implement S3 Lifecycle policy for cold storage migration of old backups.	Moderate	[SRE Team]	2025-11-01
Modify or sell the two underutilized Reserved Instances.	Cost	[FinOps Specialist]	2025-10-31