

Lab: Analyzing and Optimizing AWS Costs

Objective

Use AWS tools and Terraform to track and optimize costs.

Part A: Console Steps

1. Enable AWS Cost Explorer
2. Set up a cost budget with alerting
3. Analyze top services in Cost Explorer
4. Review unused EBS volumes and terminate

Part B: Terraform Steps

1. Create a budget with notification using `aws_budgets_budget`
2. Add tags to resources and enable cost allocation
3. Deploy a test EC2 instance using Spot pricing

Validation

- Receive budget alert
- Check billing console for cost allocation by tag