AWS Architecture Pricing Analysis

Executive Summary

Total Monthly Cost: $415.02

Annual Cost: $4980.24

Deployment Region: us-east-1

Cost Breakdown by Category

Compute Services: $385.00

Storage Services: $2.30

Network Services: $27.72

Detailed Service Costs

Amazon Route 53: 1x Amazon Route 53	$25.00/month
S3: 100 GB Standard	$2.30/month
AWS WAF: 1x AWS WAF	$25.00/month
Amazon CloudFront: 1x Amazon CloudFront	$25.00/month
API Gateway: 1x API Gateway	$25.00/month
ALB: 1x Load Balancer + LCUs	$27.72/month
VPC: 1x VPC	$25.00/month
ECS: 1x ECS	$25.00/month

EC2: 2x t3.medium	$60.00/month
Auto Scaling Group: 1x Auto Scaling Group	$25.00/month
Amazon RDS: 1x Amazon RDS	$25.00/month
Amazon ElastiCache: 1x Amazon ElastiCache	$25.00/month
AWS Identity & Access Management: 1x AWS Identity & Access Management	$25.00/month
SNS: 1x SNS	$25.00/month
Amazon CloudWatch: 1x Amazon CloudWatch	$25.00/month
AWS CloudTrail: 1x AWS CloudTrail	$25.00/month

Cost Optimization Recommendations

1. Implement Multi-AZ deployment for RDS and ElastiCache for high availability

2. Consider using AWS Lambda for serverless compute to reduce operational overhead

3. Implement AWS Shield for additional DDoS protection

4. Use AWS Secrets Manager for secure handling of sensitive information

5. Implement AWS Config for resource inventory and compliance auditing