AWS Architecture Pricing Analysis

Executive Summary

Total Monthly Cost: $347.26

Annual Cost: $4167.12

Deployment Region: us-east-1

Cost Breakdown by Category

Compute Services: $310.74

Storage Services: $2.30

Network Services: $34.22

Detailed Service Costs

Amazon Route 53: 1x Amazon Route 53	$25.00/month
S3: 100 GB Standard	$2.30/month
AWS WAF: Base + 1M requests	$6.00/month
Amazon CloudFront: 1x Amazon CloudFront	$25.00/month
Internet Gateway: 1x Internet Gateway	$25.00/month
ALB: 1x Load Balancer + LCUs	$27.72/month
VPC: 1x VPC	$25.00/month
Amazon ECS: EC2 launch type	$0.00/month

EC2: 2x t3.medium	$60.74/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
Amazon SNS: 1,000 notifications	$0.50/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. Use AWS Secrets Manager for secure storage and management of database credentials

3. Implement AWS Shield for additional DDoS protection

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

5. Implement AWS Config for continuous monitoring and assessment of your AWS resource configuration