

AWS Solution Architecture Document

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Architecture Overview

Confidence Level: 95.0%

Analysis Date: 9/1/2025

Identified AWS Services

- Amazon Route 53 (network)
Count: 1
- S3 (storage)
Count: 1
- AWS WAF (security)
Count: 1
- Amazon CloudFront (network)
Count: 1
- API Gateway (network)
Count: 1
- Application Load Balancer (network)
Count: 1
- VPC (network)
Count: 1
- ECS (compute)
Count: 1
- EC2 (compute)
Count: 2
- Auto Scaling Group (compute)
Count: 1
- Amazon RDS (database)
Count: 1
- Amazon ElastiCache (database)
Count: 1

Recommendations & Best Practices

- Implement Multi-AZ deployment for RDS and ElastiCache for high availability
- Consider using AWS Lambda for serverless compute to reduce operational overhead
- Implement AWS Shield for additional DDoS protection
- Use AWS Secrets Manager for secure handling of sensitive information
- Implement AWS Config for resource inventory and compliance auditing