AWS Deployment Guide

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Prerequisites

- AWS CLI configured with appropriate permissions
- Terraform v1.0+ installed (if using Terraform)
- Valid AWS credentials with EC2, VPC, and IAM permissions
- SSH key pair for EC2 instance access

Deployment Steps

- 1. Create VPC and networking components
- 2. Set up security groups and NACLs
- 3. Deploy compute resources (EC2 instances)
- 4. Configure load balancers
- 5. Set up database instances
- 6. Configure monitoring and alerting
- 7. Perform deployment verification

Post-Deployment Verification

- 1. Verify all services are running and healthy
- 2. Test application endpoints and load balancer
- 3. Confirm database connectivity
- 4. Validate security group configurations
- 5. Check CloudWatch metrics and alarms