

# Deploy a high-availability web app using Cloudformation.

## Requirements:

- Launch configuration (will be used by an auto scaling group)
- Two private subnets
- Autoscaling the private subnets
- Two public subnets
- Two vCPUs with 4GB of RAM
- S3 bucket
- IAM Role that allows instance to use the S3 service
- Load balancer
- “The application needs to be deployed into private subnets with a Load Balancer located in a public subnet.”

## To create:

- CloudFormation Stack
- VPC
- Internet Gateway
- 2 NAT Gateway
- 3 Route tables (2 private, 1 public)
- 4 Subnets (2 public, 2 private)
- Elastic IP
- EC2: 4 instances
- Autoscaling
- Load balancer
- Target Group
- Security groups
- IAM Roles
- S3 Bucket