Binh Tran Cost-effective AWS architecture Client Users AWS Cloud Amazon Route 53 Amazon AWS Region: us-east-1 CloudFront Amazon S3 bucket Virtual Private Cloud (VPC) 10.0.0.0/16 Internet gatewa Availability Zone 1 Availability Zone 2 Public Subnet 10.0.0.0/24 Public Subnet 10.0.1.0/24 Elastic IP Address Application Load Balancer NAT gateway NAT gateway Auto Scaling group Web Server VM Web Server VM (2x m5a 4xlarge) (2x m5a 4xlarge) Private Subnet 10.0.2.0/Application Load Balance P Private Subnet 10.0.3.0/24 Auto Scaling group server VM server VM (m5a.4xlarge) (m5a.4xlarge)

Server

(db.m5.4xlarge)

Database Server

(db.m5.4xlarge)