AWS Infrastucture (Udacity Diagram 1)

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AWS Cloud

Region
us-east-1

VPC
10.0.0.0/16

Auto Scaling

Auto Scaling

Availability Zone A
us-east-1a

Public Subnet 1
10.0.10.0/24

Elastic IP
Address   NAT gateway

Web servers
(2x t3.large)

Private Subnet 1
10.0.11.0/24

App servers
(2x m4.large)

Amazon RDS
Master
(db.m5.2xlarge)

Users

Client machines

DNS
Resolution

Amazon
CloudFront

Internet
Gateway

Router

Elastic Load
Balancing

Elastic Load
Balancing

Availability Zone B
us-east-1b

Public Subnet 2
10.0.20.0/24

Elastic IP
Address   NAT gateway

Web servers
(2x t3.large)

Private Subnet 2
10.0.21.0/24

App servers
(2x m4.large)

Amazon RDS
(Read Replica)
(db.m5.2xlarge

S3 Bucket