50,000 Users Infrastruture for Social Media Application
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AWS Cloud

Virtual Private Cloud

AZ1

US-East-1

Public Subnet

Auto Scaling

Web Server

Web Server

T2

T2 Instance

ssh connection

Private Subnet

Auto Scaling

Appliation Servers

I3

I3 Instance Ubuntu 20.0

I3

I3 Instance Ubuntu 20.0

DB (with MongoDB Compatibility)

AWS Master Database

Internet gateway

Application Load Balancer

NAT gateway

172.16.0.0

172.16.1.0

172.16.2.0

local

Route table

Users

Amazon Route 53

Amazon CloudFront

AZ2

Public Subnet

Web Server

Web Server

T2

T2 Instance

ssh connection

Private Subnet

I3

I3 Instance Ubuntu 20.0

Appliation Servers

I3

I3 Instance Ubuntu 20.0

AWS Replica Database

DB (with MongoDB Compatibility)

Amazon Simple Storage Service (S3)