A simple 3-tier highly available archeticutre for an e-commerce store.

Users

AWS Cloud

Region

Amazon VPC

Amazon CloudFront

Amazon Route 53

Static Website on S3

Hosting a static website containing the store's information including during maintenance.

Internet gateway

Application Load Balancer

EC2 Auto Scaling

Amazon EFS

Availability Zone 1

Public Subnet 1

Amazon EC2

Web Tier for the website

Private Subnet 2

Amazon EC2

Amazon Linux
Apache Web Server
PHP
APP for the store

Private Subnet 2

ElastiCache For Memcached

Amazon RDS
RDS MariaDB instance

Availability Zone 2

Public Subnet 1

Amazon EC2

Web Tier for the website

Private Subnet 1

Amazon EC2

Amazon Linux
Apache Web Server
PHP
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ElastiCache For Memcached

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