Legend

→ HTTPS Request
→ HTTPS Response
HTTPS on port 443

Internal AWS Cloud

NOTE: this AWS EC2 instance will implement multi-processing to accomplish the microservices architecture

External

NHTSA RDBMS

MS SQL Server 2012 Version: 3.12+

External

Affiliate Program

Amazon, AutoZone, Jegs

External

User

Internet

HTTPS Request
port 443
HTTPS Response

AWS Shield

Security: TLS 1.3
Protocol: HTTPS
Port: 443

NETWORK TRAFFIC RULES
1. Type: HTTPS Inbound & Outbound
2. Certificate: TLS 1.3
3. Protocol: TCP
4. Port Range: 443
5. Destination: 52.93.x.x/16
6. Valid Request: True

AWS EBS

Web Server

Apache HTTP Server Version: 2.4+

AWS EC2
Linux AMI 2
vCPU: 1
Memory: 1 GiB
Version: t2.micro
IP: 52.93.x.x/16

Email Notification Service

AWS SES
Publishes: 1,000,000
Emails Deliveries: 1,000
HTTPS Deliveries: 100,000

Database Server

AWS RDS for MariaDB
Version: db.t2.micro

MotoMoto RDBMS

MariaDB Version: 10.6+

AWS RDS for MariaDB
SSD: 20 GB
Backup Storage: 20 GB
Single-Availability Zone
(Los Angeles)
IP: 52.93.x.x/16