Cloud Design:

* User Story 2 (Delete Product)

Dynamo DB

Delete Product Lambda

AWS Step Function

SQS

Get Product Lambda

API Gateway

SNS/Email

* Buyer Service Flow (User Story 3 (PlaceBid)/User Story 5(UpdateBid)) :

Mongo DB

Elastic Beanstalk

\*Kafka used as queuing service

* Seller Service Flow :

User Story 1 (Add Product)

User Story 2 (Delete Product)

User Story 4 (GetBids)

API Gateway

ECS (Fargate)

Mongo DBDB

ALB

* ELK stack for Logging and Visualization
* Kafka used as messaging service
* Front End Flow:

Mongo DBDB

ECS (Fargate)

ALB

EC2

S3 (UI Build Files)

Route 53