

1) Application Hosted on EBS

url : <http://eauctionebs-env-2.eba-3kytec32.us-east-1.elasticbeanstalk.com/>

Role: Seller

ADD PRODUCT DELETE PRODUCT SHOW BIDS

Show Bids

Product ID *

SHOW BIDS

Bids for Product ID : paint_51

ID	Buyer Email	Buyer Name	Buyer Phone	Bid Amount
1	buyer2@eauction.com	Second Buyer	2222222222	777

1-1 of 1

2) Dynamodb Database

DynamoDB > Items > ProductBid

Tables (2)

Any table tag

Find tables by table name

ProductAuction

ProductBid

ProductBid

Autopreview View table details

Scan/Query items

Completed Read capacity units consumed: 0.5

Items returned (2)

productID	bidAmo...	buyer	email
paint_51	777	{ "lastName...	buyer2@eauction.com
paint_1	777	{ "firstNam...	nnilesh2@gmail.com

ProductAuction

Autopreview View table details

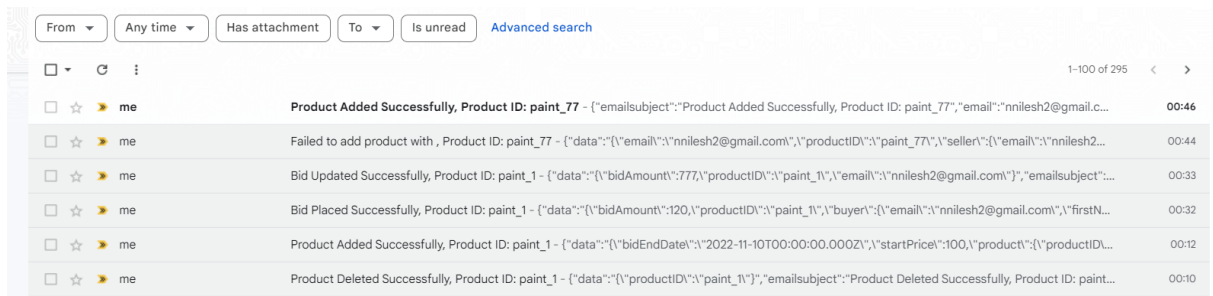
Scan/Query items

Completed Read capacity units consumed: 0.5

Items returned (3)

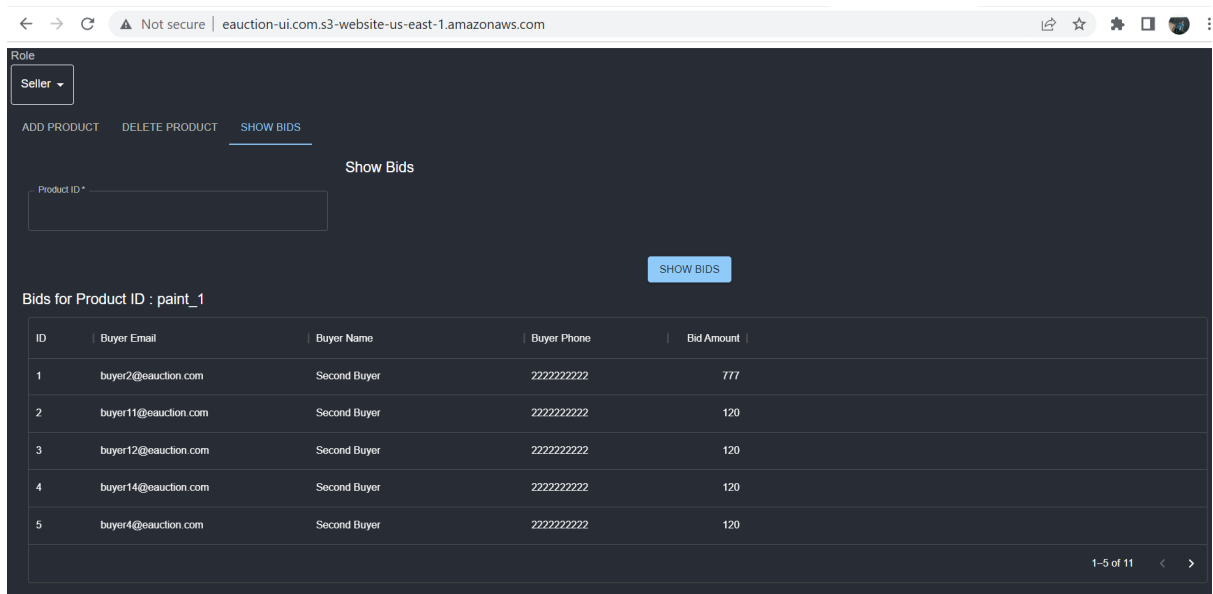
productID	bidEndDate	email	product	seller	startPrice
paint_77	2022-12-01...	nnilesh2@g...	{ "shortDes...	{ "firstNam...	100
paint_51	2022-12-01...	seller_51@...	{ "shortDes...	{ "lastName...	100
paint_1	2022-11-10...	nnilesh2@g...	{ "shortDes...	{ "firstNam...	100

3) Email Notification after operation on Product

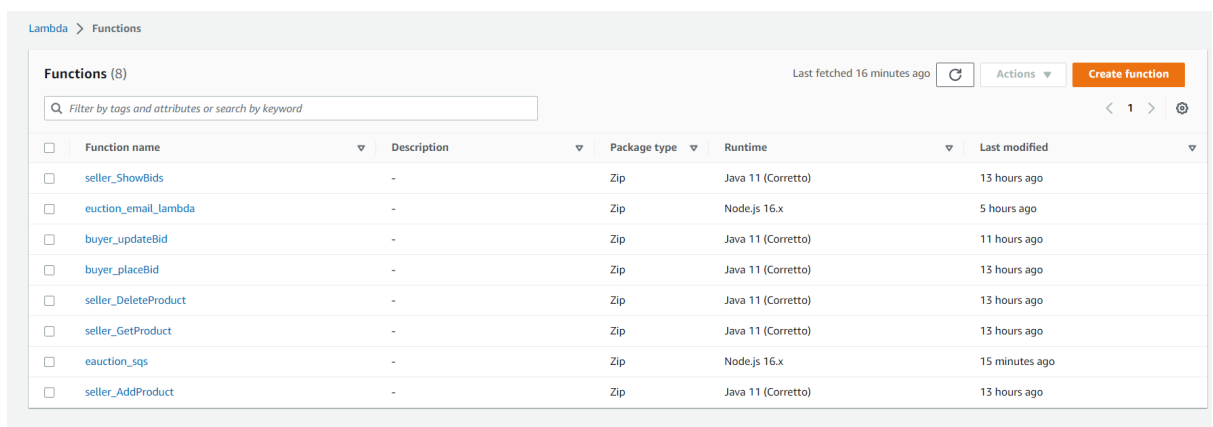


4) Application hosted on static s3 bucket (Using lambda functions and API gateway and MySQL DB)

url : <http://www.eauction-ui.com.s3-website-us-east-1.amazonaws.com/>



5) Lamda Functions



6) API Gateway

The screenshot shows the Amazon API Gateway console. The breadcrumb navigation at the top reads: **Amazon API Gateway** > **APIs** > **eauction-api (kzjbpnr64)** > **Stages**. On the left sidebar, the 'APIs' section is expanded, showing a list of resources: Custom Domain Names, VPC Links, **API: eauction-api**, Resources, **Stages** (highlighted), Authorizers, Gateway Responses, Models, Resource Policy, Documentation, Dashboard, Settings, Usage Plans, API Keys, Client Certificates, and another Settings entry. The main content area displays the 'Stages' view for the 'eauction-api'. It includes a 'Create' button and a tree structure of stages and resources. The tree shows a 'dev' stage with a 'prod' resource, followed by a path of resources: '/e-auction' > '/e-auction/api' > '/e-auction/api/v1' > '/e-auction/api/v1/buyer' > '/e-auction/api/v1/buyer/...' > 'OPTIONS' > 'POST' > '/e-auction/api/v1/buyer/...' > '/e-auction/api/v1/bi...' > '/e-auction/api/v1/...' > 'OPTIONS' > 'PUT' > '/e-auction/api/v1/email' > 'OPTIONS' > 'POST' > '/e-auction/api/v1/seller' > '/e-auction/api/v1/selle...' > 'OPTIONS' > 'POST' > '/e-auction/api/v1/selle...' > '/e-auction/api/v1/se...' > 'DELETE' > 'OPTIONS' > '/e-auction/api/v1/selle...' > '/e-auction/api/v1/se...' > 'GET'.

7) EBS

The screenshot shows the Elastic Beanstalk console 'All environments' page. It features a search bar, a table of environments, and a 'Create a new environment' button. The table has columns for Environment name, Health, Application name, Date created, Last modified, URL, Running versions, Platform, Platform state, and Tier name. One environment is listed: 'Eauctionebs-env-2' with a health status of 'Ok', application name 'eauction-eb', and a 'Supported' platform state.

Environment name	Health	Application name	Date created	Last modified	URL	Running versions	Platform	Platform state	Tier name
Eauctionebs-env-2	Ok	eauction-eb	2022-11-08 21:42:28 UTC+0000	2022-11-09 00:27:02 UTC+0000	Eautionebs-env-2.eba-3kytec32.us-east-1.elasticbeanstalk.com	spring-boot-dynamo-db-v1-2	Corretto 11 running on 64bit Amazon Linux 2	Supported	WebServer

8) SQS Integration with lambda to add product

Send and receive messages

Send messages to and receive messages from a queue.

Send message Info

Clear contentSend message

✔ Your message has been sent and is ready to be received.

View details✕

Message body
Enter the message to send to the queue.

```
{  "email": "nnilesh2@gmail.com",  "productID": "paint_77",  "seller": {    "email": "nnilesh2@gmail.com",    "firstName": "First",    "lastName": "Seller",    "address": {      "addressLine": "Flat 7, 7 Building, 7 Road",      "city": "London",      "state": "London",      "pin": "777 777"    },    "phone": "7777777777"  },  "product": {    "productID": "paint_77",    "productName": "Red Paint",    "shortDescription": "Red coloured Paint",    "detailedDescription": "Red coloured waterproof paint",    "category": "Painting"  },  "startPrice": 100.00,  "bidEndDate": "2022-11-31T00:00:00.000+00:00" }
```

SNS subscriptions	Lambda triggers	Dead-letter queue	Monitoring	Tagging	Access policy	Encryption	Dead-letter queue redrive tasks
Lambda triggers (1) Info							
Search triggers							
	UUID	ARN	Status	Last modified			
	147dea99-c112-4595-8400-d6bcf62faab4	arn:aws:lambda:us-east-1:239564619799:function:eauction_sqs	Enabled	08/11/2022, 16:10:44			

9) S3 Buckets

Buckets (3) Info

Buckets are containers for data stored in S3. [Learn more](#)

Find buckets by name

<1>

Name▲

AWS Region▼

Access▼

Creation date▼

case-study-eauction

US East (N. Virginia) us-east-1

Bucket and objects not public

November 6, 2022, 22:22:17 (UTC+00:00)

elasticbeanstalk-us-east-1-239564619799

US East (N. Virginia) us-east-1

Objects can be public

November 8, 2022, 20:12:57 (UTC+00:00)

www.eauction-ui.com

US East (N. Virginia) us-east-1

Public

November 7, 2022, 17:18:24 (UTC+00:00)

Copy ARN

Empty

Delete

Create bucket