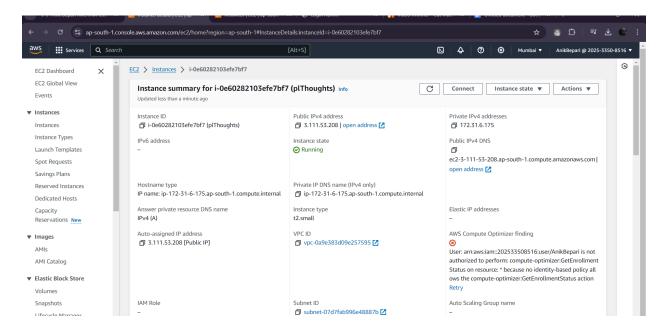
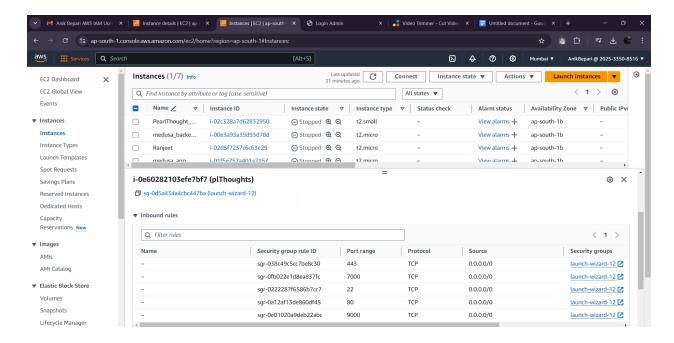
Anik Bepari (arnobbepari935@gmail.com) Pearlthoughts Task-3--Deploy medusa on Ec2 instance -- 16/09/2024

Prerequisites:

- 1. AWS Account: Have to have an AWS account set up.
- 2. Key Pair: Need to create an AWS key pair to access your EC2 instance via SSH.
- 3. **Node.js, PostgreSQL, and Medusa CLI**: Similar to my local setup, I will need Node.js, PostgreSQL, and Medusa CLI on the EC2 instance.

Step 1: Launch an AWS EC2 Instance





Connected to the EC2 Instance:

 Used SSH to connect to the instance. = ssh -i /path to pem file ec2-user@My-instance-public-ip

```
Microsoft Windows [Version 10.0.22631.4169]
(c) Microsoft Corporation. All rights reserved.
 :\Users\abepa>ssh -i C:/Users/abepa/Downloads/pL-t3.pem ubuntu@ec2-3-111-53-208.ap-south-1.compute.amazonaws.com
The authenticity of host 'ec2-3-111-53-208.ap-south-1.compute.amazonaws.com (3.111.53.208)' can't be established.
ED25519 key fingerprint is SHA256:B+8/tY7xeCAW+suDNFDuggx7PS5EgDH7CGEuxWzMHwA.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-3-111-53-208.ap-south-1.compute.amazonaws.com' (ED25519) to the list of known hosts.
Welcome to Ubuntu 24.04 LTS (GNU/Linux 6.8.0-1012-aws x86_64)
 * Documentation: https://help.ubuntu.com

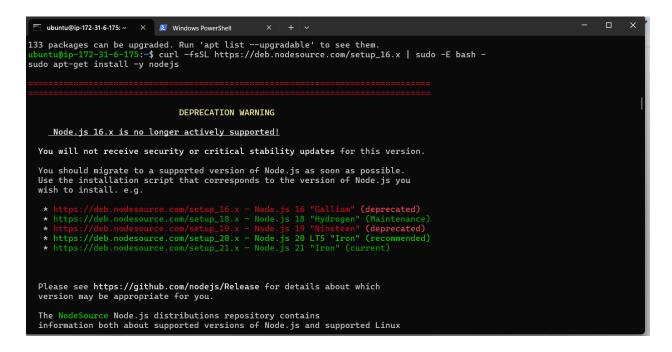
* Management: https://landscape.canonical.com

* Support: https://ubuntu.com/pro
 System information as of Mon Sep 16 11:43:37 UTC 2024
   System load: 0.43
                                            Processes:
                                                                          106
  Usage of /: 22.8% of 6.71GB
Memory usage: 10%
                                            Users logged in: 0
IPv4 address for enX0: 172.31.6.175
   Swap usage:
Expanded Security Maintenance for Applications is not enabled.
O updates can be applied immediately.
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status
```

Step 2: Update the System & Install Dependencies sudo apt update -y

```
ubuntu@ip-172-31-6-175:*$ sudo apt update -y
Hit:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease
Get:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:4 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:5 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]
Get:6 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe Translation-en [5982 kB]
Get:7 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Components [3871 kB]
Get:8 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [269 kB]
Get:10 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [269 kB]
Get:11 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Components [35.0 kB]
Get:11 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Components [35.0 kB]
Get:12 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-multiverse amd64 Components [35.0 kB]
Get:13 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-multiverse amd64 Components [35.0 kB]
Get:14 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 C-n-f Metadata [8284 B]
Get:15 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 C-n-f Metadata [8264 B]
Get:16 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 C-n-f Metadata [14.3 kB]
Get:17 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 C-n-f Metadata [14.3 kB]
Get:18 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [45.0 kB]
Get:19 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [45.0 kB]
Get:20 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 C-n-f Metadata [424 B]
Get:21 http://ap-south-1.ec2.archive.ubuntu.com/ubun
```

Installed Node.js and NPM:



```
Get:6 https://deb.nodesource.com/node_16.x nodistro/main amd64 Packages [7462 B]
Fetched 19.6 kB in 0s (40.1 kB/s)
Reading package lists... Done
2024-09-16 11:45:24 - Repository configured successfully. To install Node.js, run: apt-get install nodejs -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following NEW packages will be installed:
nodejs
0 upgraded, 1 newly installed, 0 to remove and 130 not upgraded.
Need to get 27.5 MB of archives.
```

```
Reading package lists... Done

Reading state information... Done

The following NEW packages will be installed:
    nodejs
0 upgraded, 1 newly installed, 0 to remove and 130 not upgraded.

Need to get 27.5 MB of archives.

After this operation, 128 MB of additional disk space will be used.

Get:1 https://deb.nodesource.com/node_16.x nodistro/main amd64 nodejs amd64 16.20.2-1nodesource1 [27.5 MB]

Fetched 27.5 MB in 0s (66.1 MB/s)

Selecting previously unselected package nodejs.

(Reading database ... 67745 files and directories currently installed.)

Preparing to unpack .../nodejs_16.20.2-1nodesource1_amd64.deb ...

Unpacking nodejs (16.20.2-1nodesource1) ...

Setting up nodejs (16.20.2-1nodesource1) ...

Processing triggers for man-db (2.12.0-4build2) ...

Scanning processes...

Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.
```

Installed PostgreSQL:sudo apt install postgresql postgresql-contrib

```
No VM guests are running outdated hypervisor (qemu) binaries on this host.

ubuntu@ip-172-31-6-175:*$ sudo apt install postgresql postgresql-contrib

Reading package lists... Done

Reading state information... Done

The following additional packages will be installed:
    libcommon-sense-perl libjson-perl libjson-xs-perl libllvm17t64 libpq5 libtypes-serialiser-perl postgresql-16
    postgresql-client-16 postgresql-client-common postgresql-common ssl-cert

Suggested packages:
    postgresql-doc postgresql-doc-16

The following NEW packages will be installed:
    libcommon-sense-perl libjson-perl libjson-xs-perl libllvm17t64 libpq5 libtypes-serialiser-perl postgresql
    postgresql-16 postgresql-client-16 postgresql-client-common postgresql-common postgresql-contrib ssl-cert

9 upgraded, 13 newly installed, 0 to remove and 130 not upgraded.

Need to get 43.5 MB of archives.

After this operation, 175 MB of additional disk space will be used.

Do you want to continue? [Y/n] y

Set:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libjson-perl all 4.10000-1 [81.9 kB]

Get:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 ssl-cert all 1.1.2ubuntu1 [17.8 kB]

Get:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 ssl-cert all 1.1.2ubuntu1 [17.8 kB]

Get:4 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libcommon-sense-perl amd64 3.75-3build3 [20.4 kB]

Get:5 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libcommon-sense-perl amd64 3.75-3build3 [20.4 kB]

Get:6 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libcommon-sense-perl amd64 4.030-2build3 [83.6 kB]

Get:7 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libcommon-sense-perl amd64 4.030-2build3 [83.6 kB]

Get:8 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 liblyosn-xs-perl amd64 4.030-2build3 [83.6 kB]

Get:8 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 liblyosn-xs-perl amd64 4.030-2build3 [83.6 kB]
```

Install Medusa CLI:sudo npm install -g @medusajs/medusa-cli

```
175.-$ sudo npm install -g @medusajs/medusa-cli
@oclif/screen@1.0.4: Deprecated in favor of @oclif/core
@oclif/help@1.0.15: Package no longer supported. Contact Support at https://www.npmjs.com/support fo
npm
npm
r more info.
                  cated @oclif/command@1.8.36: Package no longer supported. Contact Support at https://www.npmjs.com/support
 for more info.
npm WARN deprecated inflight@1.0.6: This module is not supported, and leaks memory. Do not use it. Check out lru-cache i f you want a good and tested way to coalesce async requests by a key value, which is much more comprehensive and powerfu
npm WARN
           deprecated @oclif/errors@1.3.6: Package no longer supported. Contact Support at https://www.npmjs.com/support f
or more info.
               precated glob@8.1.0: Glob versions prior to v9 are no longer supported
npm
                recated @oclif/errors@1.3.5: Package no longer supported. Contact Support at https://www.npmjs.com/support f
npm
or more info.
           deprecated glob@7.2.3: Glob versions prior to v9 are no longer supported deprecated @oclif/parser@3.8.17: Package no longer supported. Contact Support at https://www.npmjs.com/support
npm
npm
for more info.
                  ated @oclif/config@1.18.16: Package no longer supported. Contact Support at https://www.npmjs.com/support
 for more info.
npm <mark>WARN</mark> deprec
for more info.
                 ecated @oclif/config@1.18.2: Package no longer supported. Contact Support at https://www.npmjs.com/support
                   ated @oclif/config@1.18.17: Package no longer supported. Contact Support at https://www.npmjs.com/support:
 npm
 for more info.
npm WA
           deprecated cli-ux@5.6.7: Package no longer supported. Contact Support at https://www.npmjs.com/support for more
 added 337 packages, and audited 338 packages in 51s
50 packages are looking for funding
```

Set Up PostgreSQL

Start PostgreSQL:sudo service postgresql start

Created PostgreSQL User and Database:

```
sudo service postgresgl start
                 -31-6-175:~$ sudo -u postgres psql
psql (16.4 (Ubuntu 16.4-Oubuntu0.24.04.2))
Type "help" for help.
postgres=# CREATE USER medusa_user WITH PASSWORD 'yourpassword';
CREATE ROLE
postgres=# CREATE DATABASE medusa_db OWNER medusa_user;
CREATE DATABASE
postgres=# \q
ubuntu@ip-172-31-6-175:~$ medusa new my-medusa-store
    Medusa collects anonymous usage analytics to help improve Medusa for all users.
    If you'd like to opt-out, you can use 'medusa telemetry --disable'
✓Created starter directory layout - 1876ms info: Installing packages...
          Preferred package manager set to "npm" deprecated @oclif/screen@1.0.4: Deprecated in favor of @oclif/core
npm WARN
                 cated @oclif/command@1.8.36: Package no longer supported. Contact Support at https://www.npmjs.com/support
for more info.
                        w3c-hr-time@1.0.2: Use your platform's native performance.now() and performance.timeOrigin. abab@2.0.6: Use your platform's native atob() and btoa() methods instead
npm
```

```
Will attempt to setup Postgres database "medusa-db-4rrrc" with credentials:
 user: ubuntu
 password: ***
 port: 5432
host: localhost
Do you wish to continue with these credentials?
         Change credentials
 DB user medusa_user
DB password [hidden]
 DB port 5432
DB host localhost
XSkipping database setup. - 42
varn:   Failed to setup database; install PostgresQL or make sure to manage your database connection manually
```

Create a Medusa Project:medusa new my-medusa-store

```
buntu@ip-172-31-6-175:~/my-medusa-store$ cd my-medusa-store
-bash: cd: my-medusa-store: No such file or directory
ubuntu@ip-172-31-6-175:~/my-medusa-store$ medusa develop^C^C
ubuntu@ip-172-31-6-175:~/my-medusa-store$ npm install
up to date, audited 2028 packages in 6s
331 packages are looking for funding
run `npm fund` for details
 1 vulnerabilities (9 moderate, 9 high, 3 critical)
To address issues that do not require attention, run:
 npm audit fix
To address all issues (including breaking changes), run:
 npm audit fix --force
Run `npm audit` for details.
ubuntu@ip-172-31-6-175:~/my-medusa-store$ npm run seed
```

> Updated the .env File to connect database with medusa app using : nano .env Set the DATABASE_URL to match my PostgreSQL configuration:

Seeding

```
ubuntu@ip-172-31-6-175:~/my-medusa-store$ npm run seed

> medusa-starter-default@0.0.1 seed
> cross-env medusa seed -f ./data/seed.json

error: database "medusa-db" does not exist
    at Parser.parseErrorMessage (/home/ubuntu/my-medusa-store/node_modules/pg-protocol/dist/parser.js:283:98)
    at Parser.handlePacket (/home/ubuntu/my-medusa-store/node_modules/pg-protocol/dist/parser.js:122:29)
    at Parser.parse (/home/ubuntu/my-medusa-store/node_modules/pg-protocol/dist/parser.js:35:38)
    at Socket.
at Socket.emit (node:events:513:28)
at addChunk (node:internal/streams/readable:315:12)
at readableAddChunk (node:internal/streams/readable:289:9)
at Socket.Readable.push (node:internal/streams/readable:228:10)
at TCP.onStreamRead (node:internal/stream_base_commons:190:23) {
length: 95,
    severity: 'FATAL',
    code: '3D000',
    detail: undefined,
    hint: undefined,
    position: undefined,
    position: undefined,
}
```

Changing login credential

Install Project Dependencies:npm install

```
ubuntu@ip-172-31-6-175:~/my-medusa-store$ npm run start

> medusa-starter-default@0.0.1 start
> cross-env npm run build && medusa start

> medusa-starter-default@0.0.1 build
> cross-env npm run clean && npm run build:server && npm run build:admin

> medusa-starter-default@0.0.1 clean
> cross-env ./node_modules/.bin/rimraf dist

> medusa-starter-default@0.0.1 build:server
> cross-env npm run clean && tsc -p tsconfig.server.json

> medusa-starter-default@0.0.1 clean
> cross-env ./node_modules/.bin/rimraf dist

> medusa-starter-default@0.0.1 build:admin
> cross-env medusa-admin build

> medusa-starter-default@0.0.1 build:admin
> cross-env medusa-admin build
```

Start Medusa Backend

1. Start Medusa in Development Mode:

```
ubuntu@ip-172-31-6-175:~/my-medusa-store$ npm run start
> medusa-starter-default@0.0.1 start
> cross-env npm run build && medusa start
> medusa-starter-default@0.0.1 build
> cross-env npm run clean && npm run build:server && npm run build:admin
> medusa-starter-default@0.0.1 clean
> cross-env ./node_modules/.bin/rimraf dist
> medusa-starter-default@0.0.1 build:server
> cross-env npm run clean && tsc -p tsconfig.server.json
> medusa-starter-default@0.0.1 clean
> cross-env ./node_modules/.bin/rimraf dist
> medusa-starter-default@0.0.1 build:admin
> cross-env ./node_modules/.bin/rimraf dist
> medusa-starter-default@0.0.1 build:admin
> cross-env medusa-admin build
```

```
[medusa-config] A redis_url not found. A fake redis instance will be used.
info: Using fake Redis

/Models initialized - 152ms

/Plugin models initialized - 246ms

/Strategies initialized - 485ms

/Repositories initialized - 258ms

/Services initialized - 616ms

/Initializing modules

/Modules initialized - 318ms

/Express intialized - 2ms

Initializing plugins

/Plugins intialized - 266ms

/Subscribers initialized - 484ms

/API initialized - 1838ms

Initializing defaults

warn: You don't have any notification provider plugins installed. You may want to add one to your project.

/Defaults initialized - 1453ms

Initializing search engine indexing

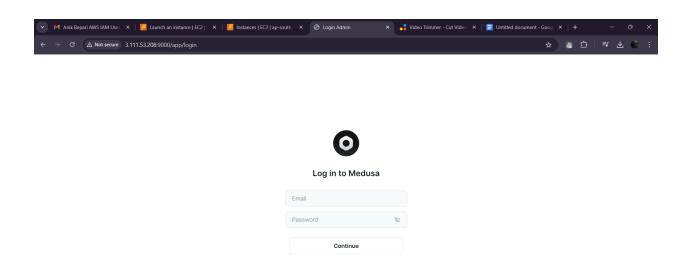
/Indexing event emitted - 157ms

/Server is ready on port: 9000 - 154ms

info: Processing sales_channel.created which has 0 subscribers
```

✓Server is ready on port: 9000 – 154ms

It is running in my ec2 instance whic ip address: http://3.111.53.208:9000/app/login





Forgot your password?