Alyte QA ,DEV ,VAPT ENV HANDOVER Docs

Note : EC2 Server configuration :- M4 large instance type
Note: Elastic-cache Redis : t2-micro , 1 node
Note : Rds Mysql instance 2xlarge type configuration

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1. **Git Clone all repositories.**

    a. Python => routing server
    b. Golang => Location service
    c. Angular => Alyte Portal
    d. Nodejs => Backend Core

2. **Install Docker & docker-compose software depenciese.**
    a. **Install docker** click here to install
    b. **Install docker-compose** click here to install

3. **Setup NGINX Reverse proxy server**
    a. **Create folder :** nginx_reverseproxy

```
sudo mkdir  nginx_reverseproxy;
```

    b. **Create files inside =>** nginx_reverseproxy
        i.
```
sudo touch Dockerfile
sudo touch nginx.conf
```
    c. Add Content created files .

        i. DockerFile content

```
FROM nginx:alpine

COPY nginx.conf /etc/nginx/nginx.conf

RUN apk update && apk add bash && apk add nano

EXPOSE 80
```

NGINX file content.

```
worker_processes auto;

events { worker_connections 2048; }


http {

sendfile on;
client_max_body_size 500M;
#server_tokens off;

upstream compliance {
  server qcptsdemo.devmll.com:4200 fail_timeout=30s;
  #server qaoperator.mllvaayu.com:3000 fail_timeout=30s;
}

server {

        listen 80;
        server_name  qcptsdemo.devmll.com;
        #access_log /var/log/nginx/access.log compression;
  underscores_in_headers on;

        location / {

            proxy_redirect     off;
            proxy_set_header   Host $host;
            proxy_set_header   X-Real-IP $remote_addr;
            proxy_set_header   X-Forwarded-For $proxy_add_x_forwarded_for;
            proxy_set_header   X-Forwarded-Host $server_name;
            proxy_pass         http://compliance;
      #proxy_pass_request_headers      on;
      #underscores_in_headers on;
            #proxy_pass          http://3a370709.ngrok.io/;
        }
    }


#upstream operator {
```

```
#  server operatorptsdemo.devmll.com:3001 fail_timeout=8s;
#  server operatorptsdemo.devmll.com:3000 fail_timeout=8s;
#  server operatorptsdemo.devmll.com:3002 fail_timeout=8s;
#  server operatorptsdemo.devmll.com:3003 fail_timeout=8s;
#  server operatorptsdemo.devmll.com:3004 fail_timeout=8s;
#  server operatorptsdemo.devmll.com:3005 fail_timeout=8s;
#  server operatorptsdemo.devmll.com:3006 fail_timeout=8s;
#  server operatorptsdemo.devmll.com:3007 fail_timeout=8s;
#  server operatorptsdemo.devmll.com:3008 fail_timeout=8s;
#  server operatorptsdemo.devmll.com:3009 fail_timeout=8s;
#}


server {

        listen 80;
        server_name  operatorptsdemo.devmll.com;
        #access_log /var/log/nginx/access.log compression;
  underscores_in_headers on;

    location ~* ^/api/v1/drivers/.*/heart_beat {
    proxy_pass http://location_service:4343;
    proxy_http_version 1.1;
    proxy_set_header Host $host;
    proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
    proxy_set_header Upgrade $http_upgrade;
    proxy_set_header Connection "upgrade";
  }
  location ~* ^/api/v2/drivers/.*/update_current_location {
    proxy_pass http://location_service:4343;
    proxy_http_version 1.1;
    proxy_set_header Host $host;
    proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
    proxy_set_header Upgrade $http_upgrade;
    proxy_set_header Connection "upgrade";
  }
  location ~* ^/api/v3/drivers/.*/location {
    proxy_pass http://location_service:4343;
    proxy_http_version 1.1;
    proxy_set_header Host $host;
    proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
    proxy_set_header Upgrade $http_upgrade;
    proxy_set_header Connection "upgrade";
```

```
  }
  location ~* ^/api/v3/version {
    proxy_pass http://location_service:4343;
    proxy_http_version 1.1;
    proxy_set_header Host $host;
    proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
    proxy_set_header Upgrade $http_upgrade;
    proxy_set_header Connection "upgrade";
  }
  location ~* ^/api/v3/trips/.*/eta {
    proxy_pass http://location_service:4343;
    proxy_http_version 1.1;
    proxy_set_header Host $host;
    proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
    proxy_set_header Upgrade $http_upgrade;
    proxy_set_header Connection "upgrade";
  }
  location ~* ^/api/v3/trips/.*/summary {
    proxy_pass http://location_service:4343;
    proxy_http_version 1.1;
    proxy_set_header Host $host;
    proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
    proxy_set_header Upgrade $http_upgrade;
    proxy_set_header Connection "upgrade";
  }
  location ~* ^/api/v3/trips/.*/start_trip_eta {
    proxy_pass http://location_service:4343;
    proxy_http_version 1.1;
    proxy_set_header Host $host;
    proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
    proxy_set_header Upgrade $http_upgrade;
    proxy_set_header Connection "upgrade";
  }
}

 upstream apinodejs {
   server apiptsdemo.devmll.com:4002 fail_timeout=30s;
   #server qaoperator.mllvaayu.com:3000 fail_timeout=30s;
 }

 server {

        listen 80;
```

```
        server_name  apiptsdemo.devmll.com;
        #access_log /var/log/nginx/access.log compression;
  underscores_in_headers on;

        location / {

            proxy_redirect     off;
            proxy_set_header   Host $host;
            proxy_set_header   X-Real-IP $remote_addr;
            proxy_set_header   X-Forwarded-For $proxy_add_x_forwarded_for;
            proxy_set_header   X-Forwarded-Host $server_name;
            proxy_pass   http://apinodejs;
            #proxy_pass   http://21d99864.ngrok.io/;
    #proxy_pass_request_headers      on;
    #underscores_in_headers on;
        }
    }
}
```

4. **Create docker-compose file :** docker-compose-qa.yml

```
sudo touch docker-compose-qa.yml
```

5. Add content in docker-compose file

```
version: '3'

services:

  api_ms:
      env_file:
          - .env
      build:
          context: "/home/ubuntu/vaayu_compliance_nodejs/api_ms"
          dockerfile: "Dockerfile"
      ports:
          - '4002:4002'
```

```
    restart: on-failure
    #links:
    #- master_ms
   # network_mode: host
  compliance_ms:
    env_file:
        - .env
    build:
        context: "/home/ubuntu/vaayu_compliance_nodejs/compliance_ms"
        dockerfile: "Dockerfile"
    ports:
        - '8000:8000'
    restart: on-failure
    #network_mode: host
  induction_ms:
    env_file:
        - .env
    build:
        context: "/home/ubuntu/vaayu_compliance_nodejs/induction_ms"
        dockerfile: "Dockerfile"
    ports:
        - '8001:8001'
    restart: on-failure
    #network_mode: host
  roastering_routing_ms:
    env_file:
        - .env
    build:
        context:
"/home/ubuntu/vaayu_compliance_nodejs/roastering_routing_ms"
        dockerfile: "Dockerfile"
    ports:
        - '8002:8002'
    restart: on-failure
    network_mode: host
  contract_ms:
    env_file:
        - .env
    build:
        context: "/home/ubuntu/vaayu_compliance_nodejs/contract_ms"
        dockerfile: "Dockerfile"
    ports:
        - '8003:8003'
```

```
      restart: on-failure
     # network_mode: host
  trips_dashboard_ms:
      env_file:
          - .env
      build:
          context:
"/home/ubuntu/vaayu_compliance_nodejs/trips_dashboard_ms"
          dockerfile: "Dockerfile"
      ports:
          - '8004:8004'
      restart: on-failure
      #network_mode: host
  report_ms:
      env_file:
          - .env
      build:
          context: "/home/ubuntu/vaayu_compliance_nodejs/report_ms"
          dockerfile: "Dockerfile"
      ports:
          - '8005:8005'
      restart: on-failure
      #network_mode: host
  logger_ms:
      env_file:
          - .env
      build:
          context: "/home/ubuntu/vaayu_compliance_nodejs/logger_ms"
          dockerfile: "Dockerfile"
      ports:
           - '8010:8010'
      restart: on-failure
  master_ms:
      env_file:
          - .env
      build:
          context: "/home/ubuntu/vaayu_compliance_nodejs/master_ms"
          dockerfile: "Dockerfile"
      ports:
           - '8008:8008'
      restart: on-failure
  worker_ms:
      env_file:
```

```
        - .env
    build:
        context: "/home/ubuntu/vaayu_compliance_nodejs/worker_ms"
        dockerfile: "Dockerfile"
    ports:
        - '8009:8009'
    restart: on-failure
python_rounting_ms:
    env_file:
        - .env
    build:
        context: "/home/ubuntu/flask_Api"
        dockerfile: "Dockerfile"
    ports:
        - '8090:8090'
    restart: on-failure
    #network_mode: host
vaayu_compliance_angular:
      build:
          context: "/home/ubuntu/vaayu_compliance_angular"
          dockerfile: "Dockerfile_uat"
      ports:
          - '4200:4200'
      restart: on-failure
      #network_mode: host
nginx_reverseproxy:
      build:
          context: "/home/ubuntu/nginx_reverseproxy"
          dockerfile: "Dockerfile"
      ports:
          - '80:80'
      #network_mode: host
      links:
          - api_ms
          - vaayu_compliance_angular
          - python_rounting_ms
          - location_service
      restart: on-failure
location_service:
      env_file:
          - /home/ubuntu/alyte_location_service/.env
      build:
          context: "/home/ubuntu/alyte_location_service"
```

```
        dockerfile: "Dockerfile"
    ports:
        - '4343:4343'
    restart: on-failure
```

5. Create .env files two place : .env
    a. `touch  .env`
       `cd /alyte_location_service && touch  .env`
    b. Add Content .env files
        i. Root .env file content

```
            NODE_ENV=production
RDS_MYSQL_HOSTNAME=vaayu-prod.cjny84emnsh9.ap-south-1.rds.amazonaws.
com
RDS_MYSQL_USERNAME=MOOVE_DEV
RDS_MYSQL_PASSWORD=alyte#87!MLL
RDS_MYSQL_PORT=3306
RDS_MYSQL_DATABASE=moove_db
AWS_accessKeyId=AKIAXAWJNTEUVGAJJD62
AWS_secretAccessKey=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
AWS_region=ap-south-1
AWS_s3bucket_renewal_document=vaayu-dev

BASE_URL_API_MS=http://apiptsdemo.devmll.com
BASE_URL_CALLING_MS=http://calling_ms

BASE_URL_COMPLIANCE_MS=http://compliance_ms
BASE_URL_INDUCTION_MS=http://induction_ms

BASE_URL_ROASTERING_ROUTING_API_MS=http://apiptsdemo.devmll.com
BASE_URL_TRIP_BILLING=http://trip_billing

BASE_URL_TRIPS_DAHSBOARD_MS=http://trips_dashboard_ms
BASE_URL_BASE_URL_CONTRACT_MS=http://contract_ms

BASE_URL_BASE_URL_REPORT_MS=http://apiptsdemo.devmll.com
GOOGLE_RECAPTCHA_TOKEN=6LchAssUAAAAALdE3Ti_BMRi-XdClzyRW7jUoD3l
BASE_URL_ROUTING=http://apiptsdemo.devmll.com
UAT_URL=http://operatorptsdemo.devmll.com
G_RECAPTCHA_SITE_KEY=6LchAssUAAAAADvieSaLd_v6Qfl8DptPkIXUfY8p
```

```
G_RECAPTCHA_URL=http://apiptsdemo.devmll.com/validateCaptcha
CORS_DOMAIN=http://qcpts.devmll.com,localhost:4002,http://apiptsdemo
.devmll.com,http://apiptsdemo.devmll.com:8000,http://apiptsdemo.devm
ll.com:8001,http://apiptsdemo.devmll.com:8002,http://apiptsdemo.devm
ll.com:8003,http://apiptsdemo.devmll.com:8004,http://apiptsdemo.devm
ll.com:8005,http://apiptsdemo.devmll.com:8006
mapKey=AIzaSyCKmOycgAQLZGOsJBSFkhOp2LWakMC6vn0

env_types=PROD,SAND,DEV,QA
request_types=GET,POST,PUT,DELETE,PATCH
log_types=INFO,ERROR,MAP,SC,DEBUG,WARN,FATAL
logger_token=$2a$10$ZMDJJL6w6cROAE.D01B.s.ts5VBsaYwvuIQWysAnqEVlyUA/
netIm
log_insert_url=http://apiptsdemo.devmll.com:8010/log/insert
log_env=DEV

MONGO_HOSTNAME=mongodb.mllvaayu.com
MONGO_INITDB_ROOT_USERNAME=alyte_mongo
MONGO_INITDB_ROOT_PASSWORD=alyte@mll2020
MONGO_PORT=27017
BASE_URL_MASTERS_MS=http://master_ms
BASE_URL_MASTER_MS=http://master_ms
BASE_URL_SWAGGER_HOST=apiptsdemo.devmll.com
COMPLIANCE_URL=http://qcptsdemo.devmll.com

MAIL_USERNAME=testnodetemp@gmail.com
MAIL_PASSWORD=alyte@dev12020
MSG91_APIKEY=332293AyVLHtONkfBT5ee3a242P1
MSG91_SENDER=ALYTEN
MSG91_ROUTE=4

BASE_URL_LOCATION_SERVICES=http://location_service:4343
WORKER_REDIS_URL=redis://alyte-dev-redis.2i6os5.ng.0001.aps1.cache.a
mazonaws.com:6379

IS_HEADER_SKIP=0
BASE_URL_WORKER_MS=http://worker_ms

API_ROUTING_SERVICE=http://apirouting.mllvaayu.com:8090

GOOGLE_API_SERVICE=AIzaSyCKmOycgAQLZGOsJBSFkhOp2LWakMC6vn0

OSRM_PBF_URL=http://download.geofabrik.de/asia/india-latest.osm.pbf
```

```
IS_UNIFIED_RUN=0
preprod_URL=http://apiptsdemo.devmll.com
OSRM_URL=http://apiptsdemo.devmll.com:5000
```

Add Content Location Service .env file

```
FCM_API_KEY=AAAA1KydgOQ:APA91bElMyrV1hV7aOBRNFriq3LMPe0Rkw0wN3XVCb-8H83kpcEH0jE1Gt4N0gtv3waYl3XDkjsXJGnfTqwxYETuOlKuiUeeuhcAwrpBusZl2CVETdmErjJ$

FCM_TOPIC_PREFIX=techmblrprod

LOCATION_DATABASE_URL=MOOVE_DEV:alyte#87!MLL@tcp(vaayu-prod.cjny84emnsh9.ap-south-1.rds.amazonaws.com:3306)/moove_db?parseTime=true

LOCATION_MAPS_API_KEY=AIzaSyCKmOycgAQLZGOsJBSFkhOp2LWakMC6vn0
LOCATION_PG_DATABASE_URL=postgres://MOOVE_DEV:NG$Pir7alyt9m&p9@vaayu-pg-development.cjny84emnsh9.ap-south-1.rds.amazonaws.com/location_service?$

LOCATION_REDIS_URL=alyte-dev-redis.2i6os5.ng.0001.aps1.cache.amazonaws.com:6379

RAILS_KEY_BASE=daef0f128e8c899673cbcc71b3d4854112006de625db4bab0116818c7a7dc5cae52fc531dfb5f153d1b7fb3021331de744683b0346317751115c1837cbc69672
```

6. **Run compose file with all services**

   Command : sudo docker-compose -f docker-compose-qa.yml up --build -d

Questions & Answer

---

1. How to Restart services command.

```
sudo docker-compose -f docker-
Compose-dev.yml restart
```

2. How to Restart single service command.

```
sudo docker-compose -f docker-compose-dev.yml
service name restart
```

3. How to resolve if getting no space left in instance.

```
sudo docker system prunes
```

4. If you getting unexpected errors suddenly.
   a. `Run sudo service docker restart`

5. How to watch logs real time Or specific service logs.
   a. `Run docker-compose -f docker-compose-dev.yml logs -f --tail=21`
   b. `Run docker-compose -f docker-compose-dev.yml logs -f --tail=21 api_ms`

6. **How to stop service and remove.**

```
sudo  docker-compose -f
docker-compose-dev.yml stop api_ms
sudo  docker-compose -f
docker-compose-dev.yml rm api_ms
```

7. **How to build all services or specific services.**

```
sudo docker-compose -f
docker-compose-dev.yml up --build

==================================
 sudo docker-compose -f
docker-compose-dev.yml up --build
service name
```

8. **How to resolve when ec2 instance ssh connection timeout & Server down.**
   a. Check ec2-instance security-group inbound rule port 22 enable if not please enable it then try to login from terminal.
   b. In ec2-instance select instance and stop it when the state is stopped then try to start instance.

Step to stop instance Select instance << Action << instance state << stop

Step to start instance Select instance << Action << instance state << start