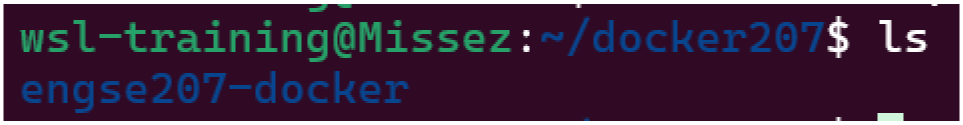
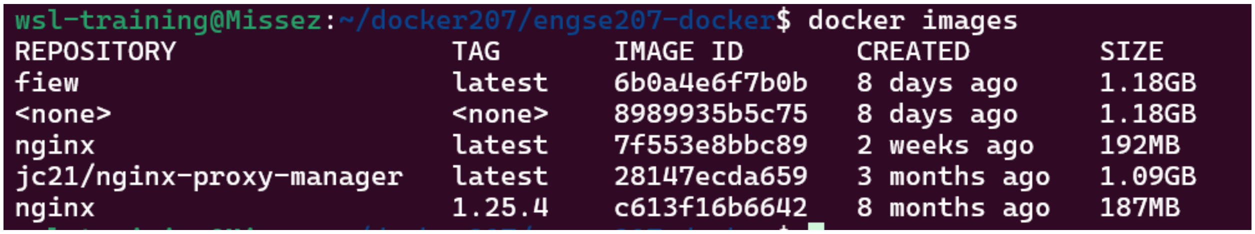
microservices

ลง nginx



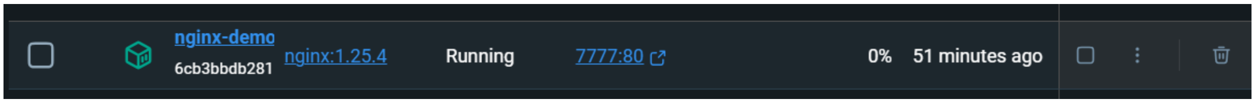
```
wsl-training@Missez:~/docker207$ ls
engse207-docker
```

download images



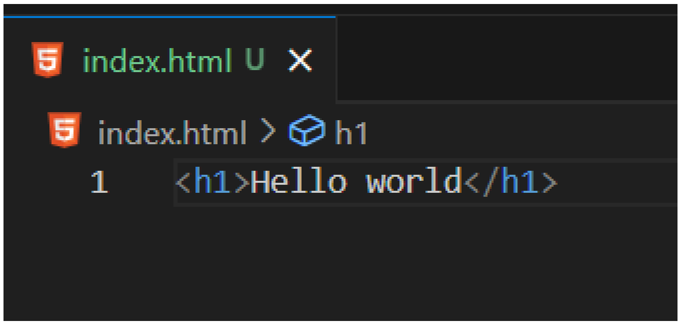
```
wsl-training@Missez:~/docker207/engse207-docker$ docker images
REPOSITORY                 TAG       IMAGE ID       CREATED         SIZE
fiew                       latest    6b0a4e6f7b0b   8 days ago      1.18GB
<none>                     <none>    8989935b5c75   8 days ago      1.18GB
nginx                      latest    7f553e8bbc89   2 weeks ago     192MB
jc21/nginx-proxy-manager   latest    28147ecda659   3 months ago    1.09GB
nginx                      1.25.4    c613f16b6642   8 months ago    187MB
```

run nginx port 7777



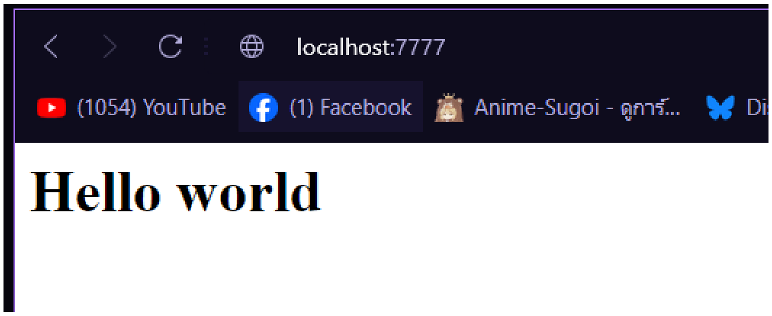
nginx-demo 6cb3bbdb281	nginx:1.25.4	Running	7777:80	0%	51 minutes ago

ลองสร้าง file index แล้ว copy ไปยัง /usr/share/nginx/html/index.html



```
<h1>Hello world</h1>
```

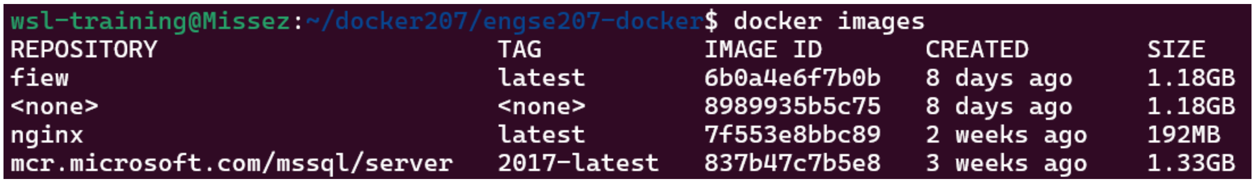
ลองเปิดดู



Hello world

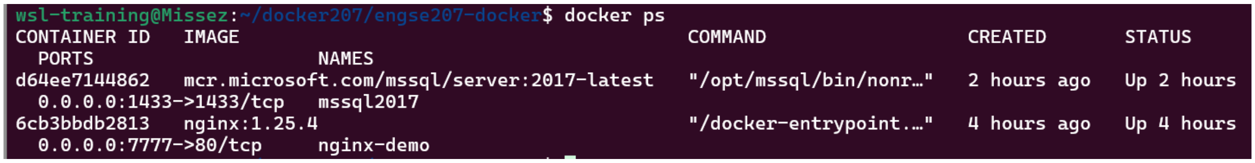
MSSQL

ลง mssql



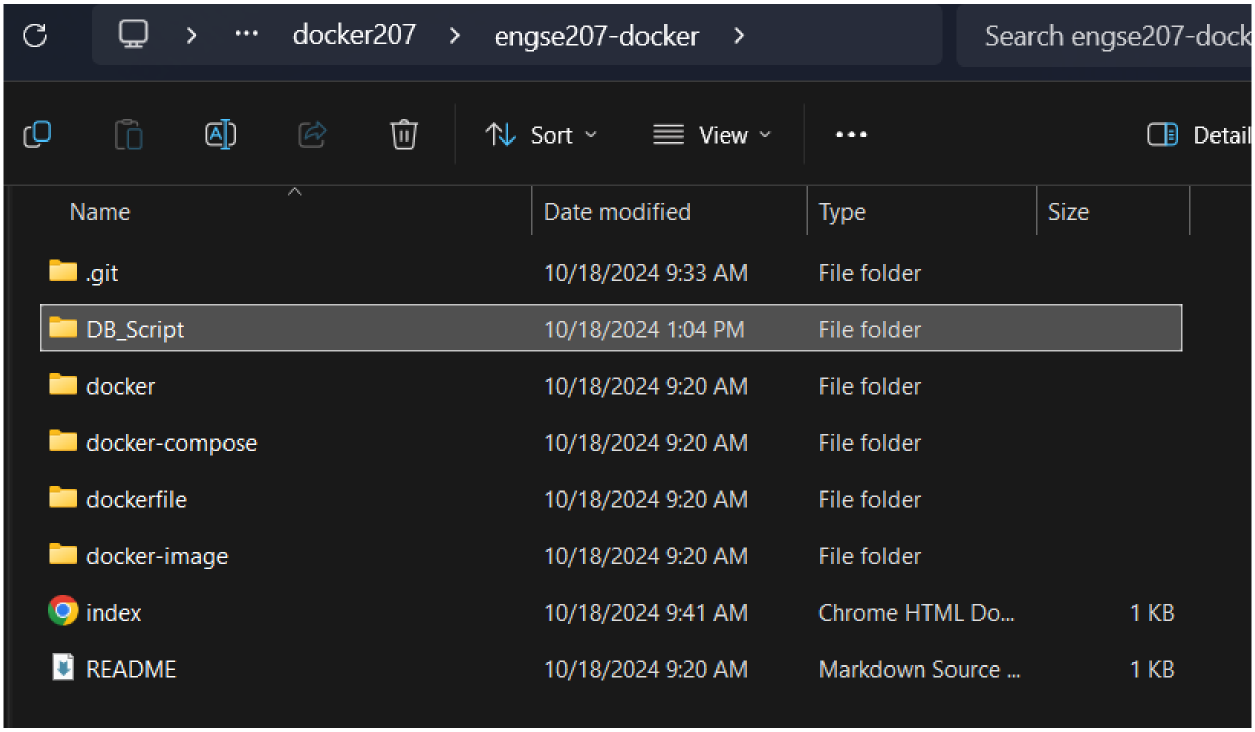
```
wsl-training@Missez:~/docker207/engse207-docker$ docker images
REPOSITORY                       TAG           IMAGE ID       CREATED        SIZE
fiew                             latest        6b0a4e6f7b0b   8 days ago     1.18GB
<none>                           <none>        8989935b5c75   8 days ago     1.18GB
nginx                            latest        7f553e8bbc89   2 weeks ago    192MB
mcr.microsoft.com/mssql/server   2017-latest   837b47c7b5e8   3 weeks ago    1.33GB
```

run mssql



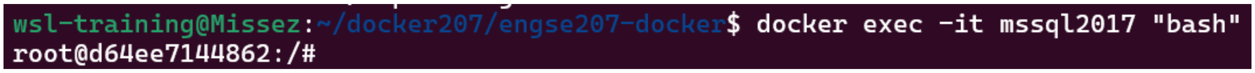
```
wsl-training@Missez:~/docker207/engse207-docker$ docker ps
CONTAINER ID   IMAGE                                        COMMAND                  CREATED       STATUS
  PORTS                    NAMES
d64ee7144862   mcr.microsoft.com/mssql/server:2017-latest   "/opt/mssql/bin/nonr…"   2 hours ago   Up 2 hours
  0.0.0.0:1433->1433/tcp   mssql2017
6cb3bbdb2813   nginx:1.25.4                                 "/docker-entrypoint.…"   4 hours ago   Up 4 hours
  0.0.0.0:7777->80/tcp     nginx-demo
```

โหลด DB_Script มาไว้ที่ engse207-docker



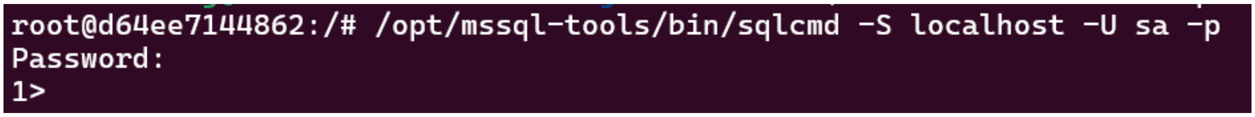
Name	Date modified	Type	Size
.git	10/18/2024 9:33 AM	File folder	
DB_Script	10/18/2024 1:04 PM	File folder	
docker	10/18/2024 9:20 AM	File folder	
docker-compose	10/18/2024 9:20 AM	File folder	
dockerfile	10/18/2024 9:20 AM	File folder	
docker-image	10/18/2024 9:20 AM	File folder	
index	10/18/2024 9:41 AM	Chrome HTML Do...	1 KB
README	10/18/2024 9:20 AM	Markdown Source ...	1 KB

ทำการ bash เข้าไป mssql



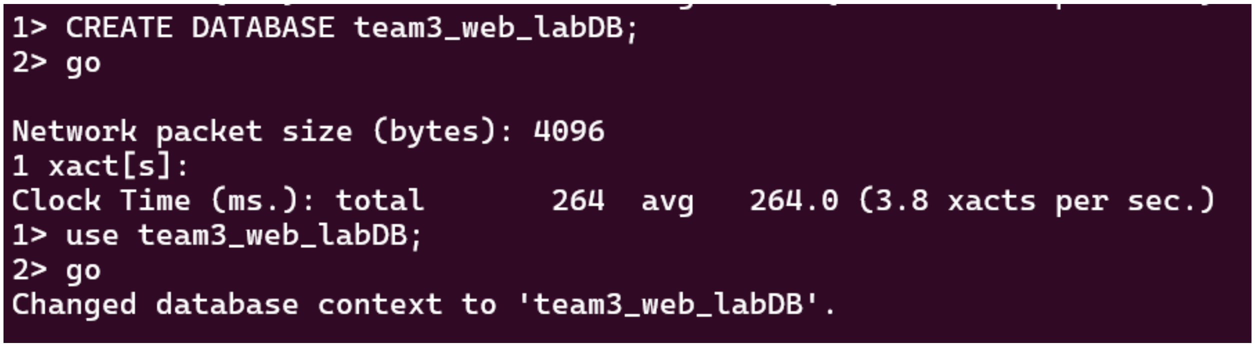
```
wsl-training@Missez:~/docker207/engse207-docker$ docker exec -it mssql2017 "bash"
root@d64ee7144862:/#
```

เข้าด้วย username sa และ password P@ssw0rd



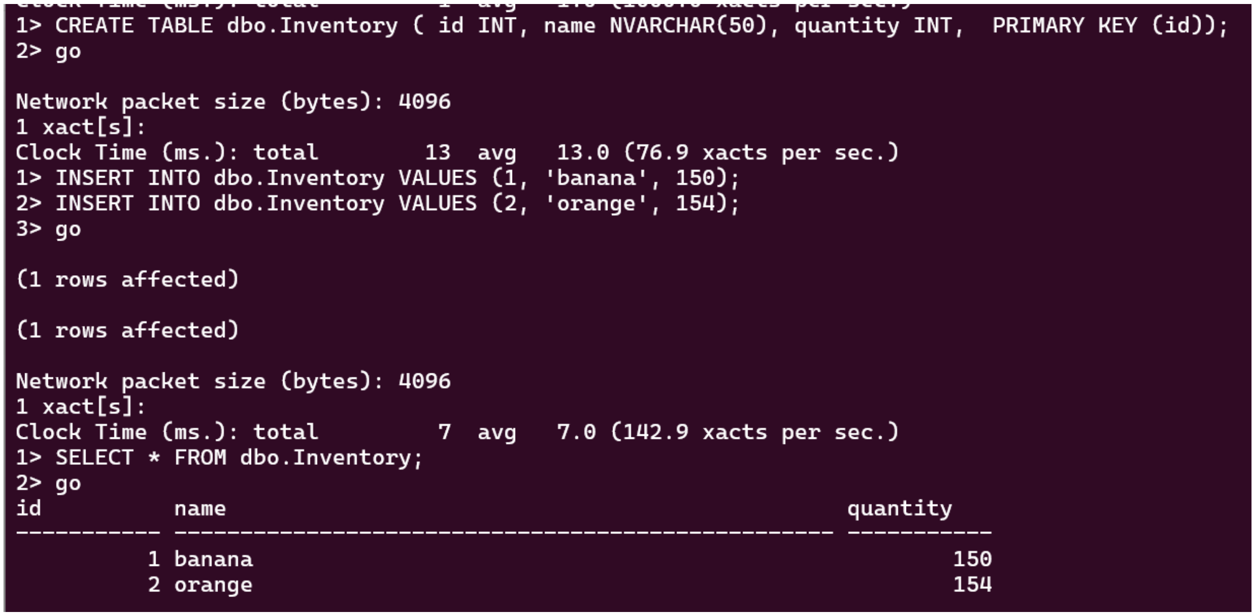
```
root@d64ee7144862:/# /opt/mssql-tools/bin/sqlcmd -S localhost -U sa -p
Password:
1>
```

ทำการสร้าง database team3 ขึ้นมา



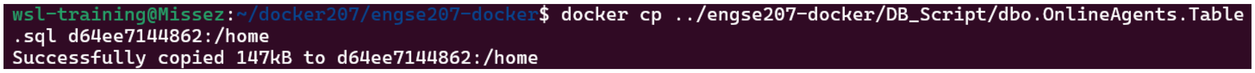
```
1> CREATE DATABASE team3_web_labDB;
2> go

Network packet size (bytes): 4096
1 xact[s]:
Clock Time (ms.): total       264  avg   264.0 (3.8 xacts per sec.)
1> use team3_web_labDB;
2> go
Changed database context to 'team3_web_labDB'.
```

สร้าง table inventory

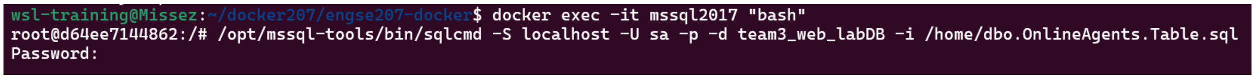


```
1> CREATE TABLE dbo.Inventory ( id INT, name NVARCHAR(50), quantity INT,  PRIMARY KEY (id));
2> go

Network packet size (bytes): 4096
1 xact[s]:
Clock Time (ms.): total        13  avg   13.0 (76.9 xacts per sec.)
1> INSERT INTO dbo.Inventory VALUES (1, 'banana', 150);
2> INSERT INTO dbo.Inventory VALUES (2, 'orange', 154);
3> go

(1 rows affected)

(1 rows affected)

Network packet size (bytes): 4096
1 xact[s]:
Clock Time (ms.): total         7  avg   7.0 (142.9 xacts per sec.)
1> SELECT * FROM dbo.Inventory;
2> go
id          name                                               quantity
----------- -------------------------------------------------- -----------
          1 banana                                                     150
          2 orange                                                     154
```

นำ table onlineagents มา import

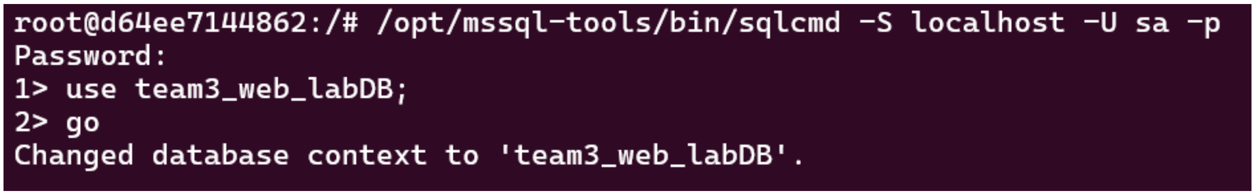


```
wsl-training@Missez:~/docker207/engse207-docker$ docker cp ../engse207-docker/DB_Script/dbo.OnlineAgents.Table
.sql d64ee7144862:/home
Successfully copied 147kB to d64ee7144862:/home
```

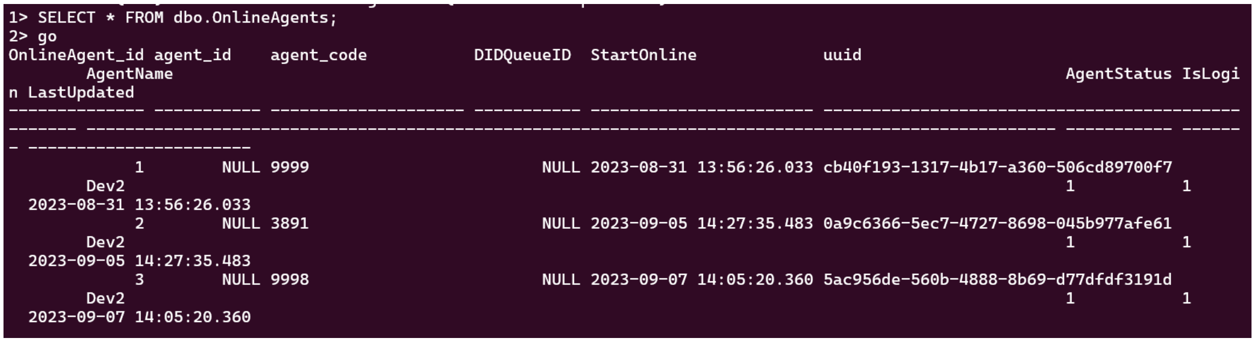


```
wsl-training@Missez:~/docker207/engse207-docker$ docker exec -it mssql2017 "bash"
root@d64ee7144862:/# /opt/mssql-tools/bin/sqlcmd -S localhost -U sa -p -d team3_web_labDB -i /home/dbo.OnlineAgents.Table.sql
Password:
```

ทดสอบ ลองเข้าไปดูว่า table เข้าไหม



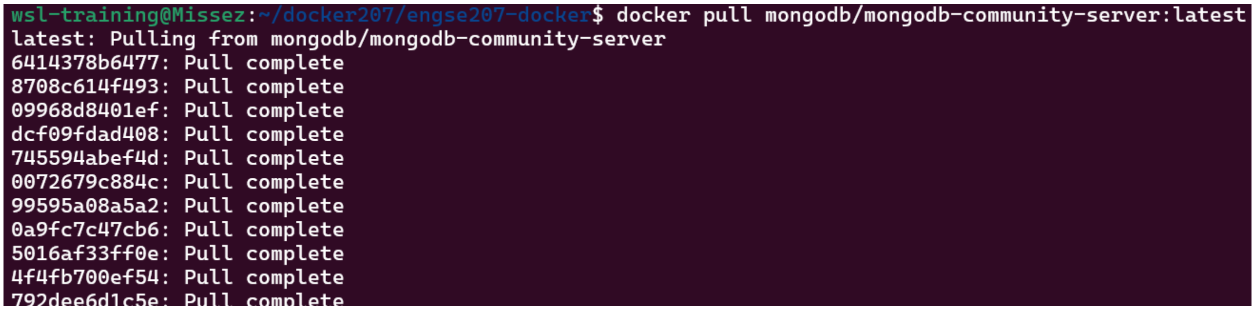
```
root@d64ee7144862:/# /opt/mssql-tools/bin/sqlcmd -S localhost -U sa -p
Password:
1> use team3_web_labDB;
2> go
Changed database context to 'team3_web_labDB'.
```



```
1> SELECT * FROM dbo.OnlineAgents;
2> go
OnlineAgent_id agent_id    agent_code           DIDQueueID  StartOnline             uuid
        AgentName                                                                                            AgentStatus IsLogi
n LastUpdated
-------------- ----------- -------------------- ----------- ----------------------- -------------------------------------------
------- ---------------------------------------------------------------------------------------------------- ----------- ------
- -----------------------
             1        NULL 9999                        NULL 2023-08-31 13:56:26.033 cb40f193-1317-4b17-a360-506cd89700f7
        Dev2                                                                                                 1           1
  2023-08-31 13:56:26.033
             2        NULL 3891                        NULL 2023-09-05 14:27:35.483 0a9c6366-5ec7-4727-8698-045b977afe61
        Dev2                                                                                                 1           1
  2023-09-05 14:27:35.483
             3        NULL 9998                        NULL 2023-09-07 14:05:20.360 5ac956de-560b-4888-8b69-d77dfdf3191d
        Dev2                                                                                                 1           1
  2023-09-07 14:05:20.360
```

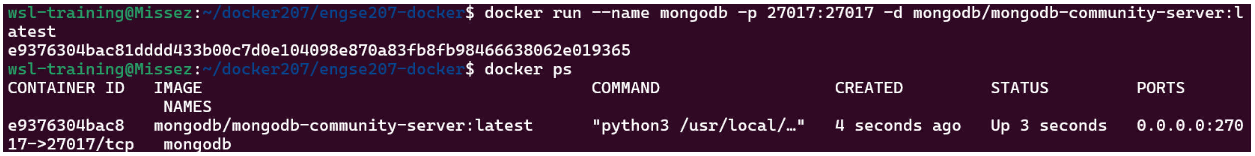
MONGODB

download mongodb ลงมา



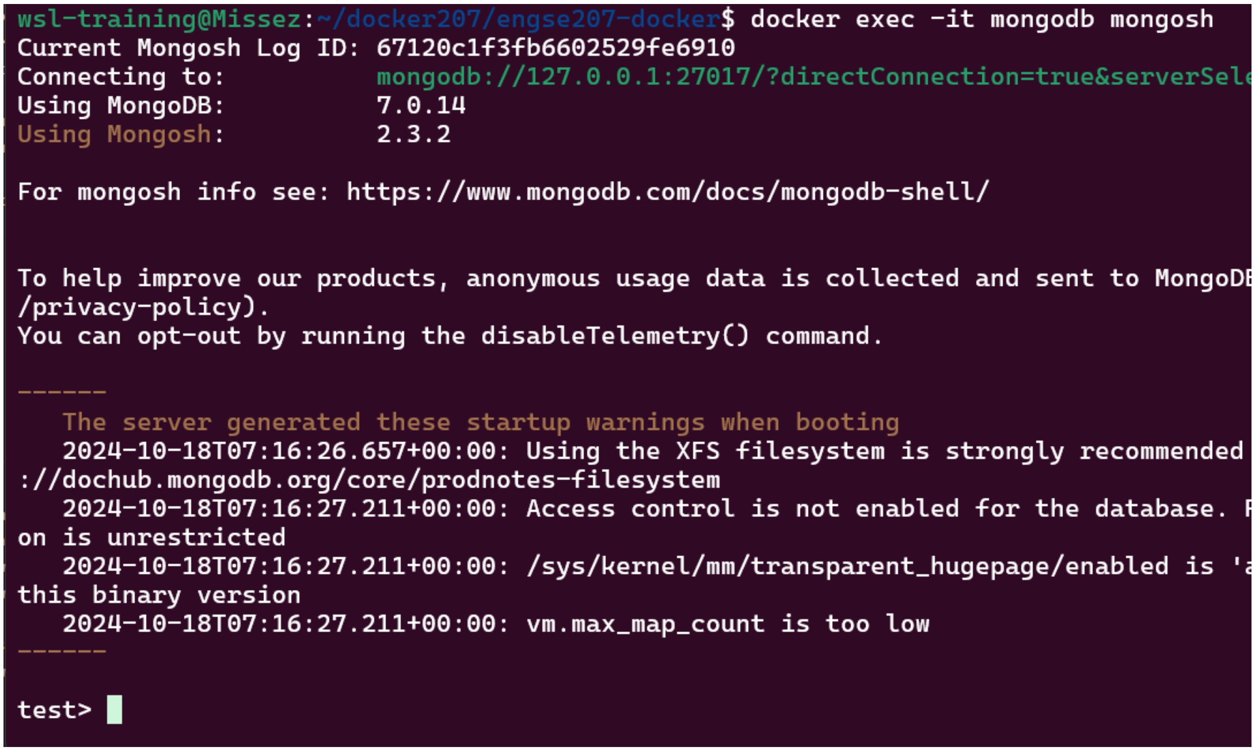
```
wsl-training@Missez:~/docker207/engse207-docker$ docker pull mongodb/mongodb-community-server:latest
latest: Pulling from mongodb/mongodb-community-server
6414378b6477: Pull complete
8708c614f493: Pull complete
09968d8401ef: Pull complete
dcf09fdad408: Pull complete
745594abef4d: Pull complete
0072679c884c: Pull complete
99595a08a5a2: Pull complete
0a9fc7c47cb6: Pull complete
5016af33ff0e: Pull complete
4f4fb700ef54: Pull complete
792dee6d1c5e: Pull complete
```

ทำการ run docker mongodb ด้วย port 27017 และ ชื่อ mongodb



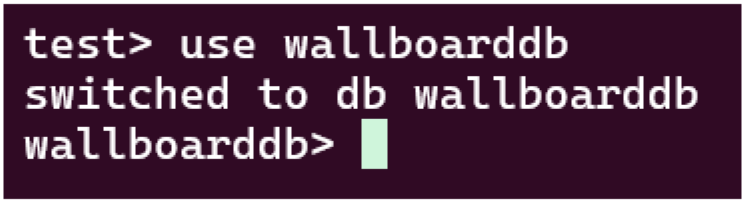
```
wsl-training@Missez:~/docker207/engse207-docker$ docker run --name mongodb -p 27017:27017 -d mongodb/mongodb-community-server:l
atest
e9376304bac81dddd433b00c7d0e104098e870a83fb8fb98466638062e019365
wsl-training@Missez:~/docker207/engse207-docker$ docker ps
CONTAINER ID   IMAGE                                        COMMAND                   CREATED         STATUS         PORTS
                NAMES
e9376304bac8   mongodb/mongodb-community-server:latest      "python3 /usr/local/…"   4 seconds ago   Up 3 seconds   0.0.0.0:270
17->27017/tcp   mongodb
```

เข้าไปใน mongodb



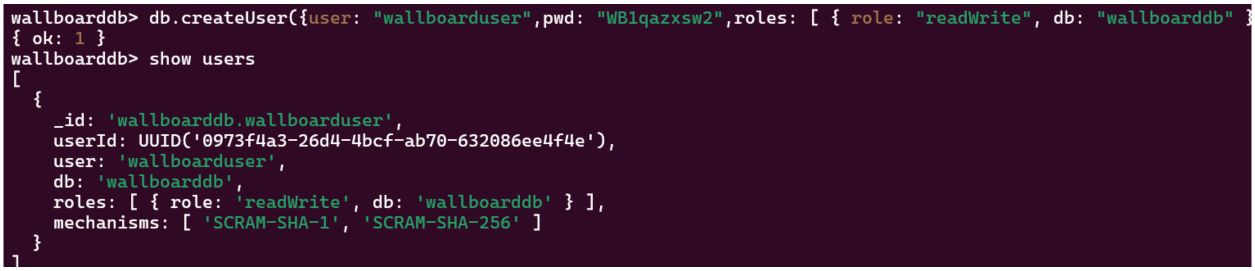
```
wsl-training@Missez:~/docker207/engse207-docker$ docker exec -it mongodb mongosh
Current Mongosh Log ID: 67120c1f3fb6602529fe6910
Connecting to:          mongodb://127.0.0.1:27017/?directConnection=true&serverSele
Using MongoDB:          7.0.14
Using Mongosh:          2.3.2

For mongosh info see: https://www.mongodb.com/docs/mongodb-shell/


To help improve our products, anonymous usage data is collected and sent to MongoDB
/privacy-policy).
You can opt-out by running the disableTelemetry() command.

------
   The server generated these startup warnings when booting
   2024-10-18T07:16:26.657+00:00: Using the XFS filesystem is strongly recommended
://dochub.mongodb.org/core/prodnotes-filesystem
   2024-10-18T07:16:27.211+00:00: Access control is not enabled for the database. F
on is unrestricted
   2024-10-18T07:16:27.211+00:00: /sys/kernel/mm/transparent_hugepage/enabled is 'a
this binary version
   2024-10-18T07:16:27.211+00:00: vm.max_map_count is too low
------

test> 
```

เปลี่ยน db เป็น wallboarddb



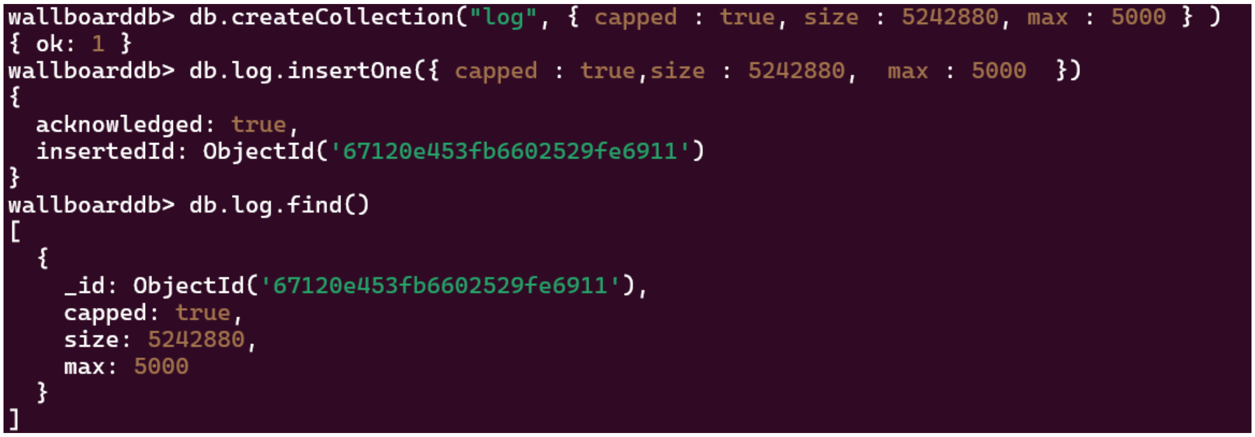
```
test> use wallboarddb
switched to db wallboarddb
wallboarddb> 
```

สร้าง user ขึ้นมา

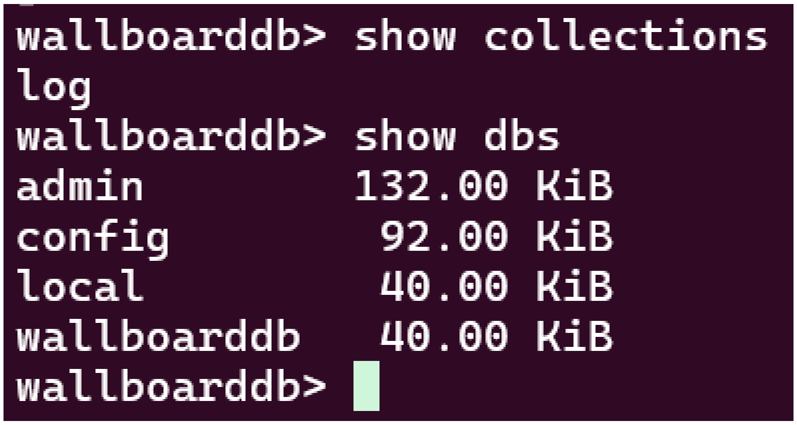


```
wallboarddb> db.createUser({user: "wallboarduser",pwd: "WB1qazxsw2",roles: [ { role: "readWrite", db: "wallboarddb" }
{ ok: 1 }
wallboarddb> show users
[
  {
    _id: 'wallboarddb.wallboarduser',
    userId: UUID('0973f4a3-26d4-4bcf-ab70-632086ee4f4e'),
    user: 'wallboarduser',
    db: 'wallboarddb',
    roles: [ { role: 'readWrite', db: 'wallboarddb' } ],
    mechanisms: [ 'SCRAM-SHA-1', 'SCRAM-SHA-256' ]
  }
]
```

ลองสร้าง table ขึ้นมา

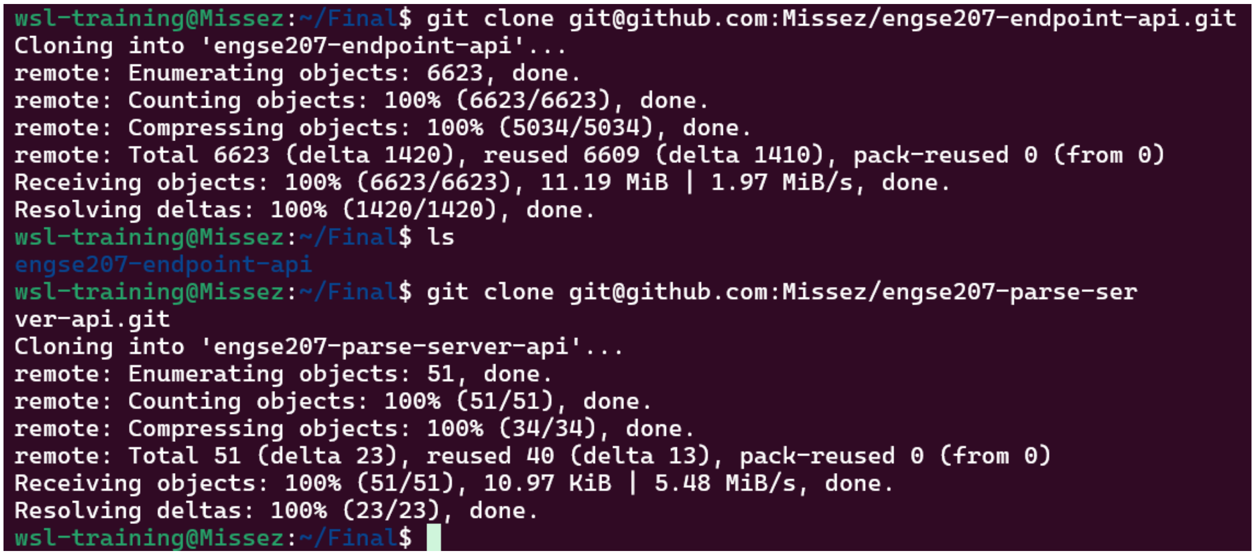


```
wallboarddb> db.createCollection("log", { capped : true, size : 5242880, max : 5000 } )
{ ok: 1 }
wallboarddb> db.log.insertOne({ capped : true,size : 5242880,  max : 5000  })
{
  acknowledged: true,
  insertedId: ObjectId('67120e453fb6602529fe6911')
}
wallboarddb> db.log.find()
[
  {
    _id: ObjectId('67120e453fb6602529fe6911'),
    capped: true,
    size: 5242880,
    max: 5000
  }
]
```

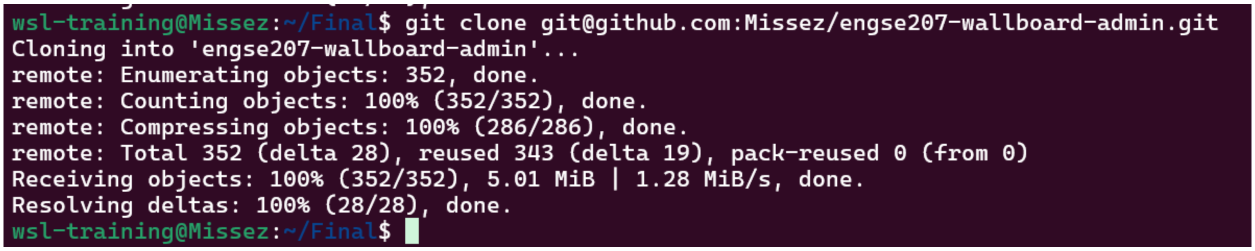


```
wallboarddb> show collections
log
wallboarddb> show dbs
admin        132.00 KiB
config        92.00 KiB
local         40.00 KiB
wallboarddb   40.00 KiB
wallboarddb>
```

ทำการ git clone endpoint , parseserver , wallboardadmin ลงมา



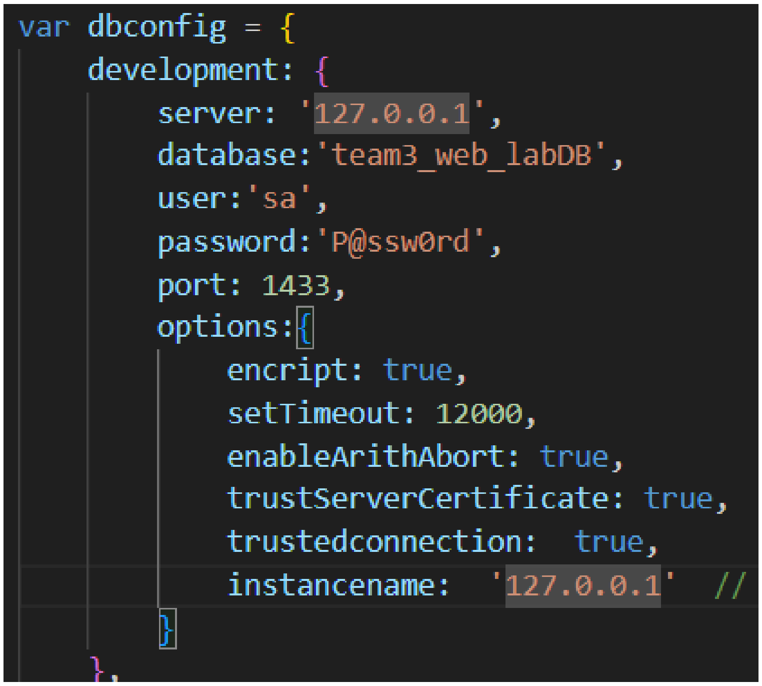
```
wsl-training@Missez:~/Final$ git clone git@github.com:Missez/engse207-endpoint-api.git
Cloning into 'engse207-endpoint-api'...
remote: Enumerating objects: 6623, done.
remote: Counting objects: 100% (6623/6623), done.
remote: Compressing objects: 100% (5034/5034), done.
remote: Total 6623 (delta 1420), reused 6609 (delta 1410), pack-reused 0 (from 0)
Receiving objects: 100% (6623/6623), 11.19 MiB | 1.97 MiB/s, done.
Resolving deltas: 100% (1420/1420), done.
wsl-training@Missez:~/Final$ ls
engse207-endpoint-api
wsl-training@Missez:~/Final$ git clone git@github.com:Missez/engse207-parse-ser
ver-api.git
Cloning into 'engse207-parse-server-api'...
remote: Enumerating objects: 51, done.
remote: Counting objects: 100% (51/51), done.
remote: Compressing objects: 100% (34/34), done.
remote: Total 51 (delta 23), reused 40 (delta 13), pack-reused 0 (from 0)
Receiving objects: 100% (51/51), 10.97 KiB | 5.48 MiB/s, done.
Resolving deltas: 100% (23/23), done.
wsl-training@Missez:~/Final$ 
```



```
wsl-training@Missez:~/Final$ git clone git@github.com:Missez/engse207-wallboard-admin.git
Cloning into 'engse207-wallboard-admin'...
remote: Enumerating objects: 352, done.
remote: Counting objects: 100% (352/352), done.
remote: Compressing objects: 100% (286/286), done.
remote: Total 352 (delta 28), reused 343 (delta 19), pack-reused 0 (from 0)
Receiving objects: 100% (352/352), 5.01 MiB | 1.28 MiB/s, done.
Resolving deltas: 100% (28/28), done.
wsl-training@Missez:~/Final$ 
```

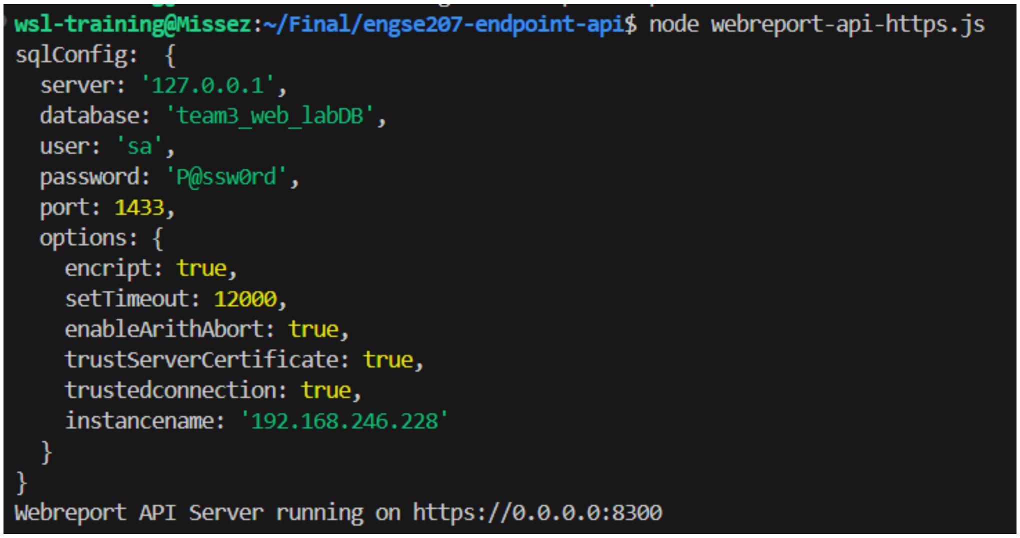
endpoint-api

ทำการ เปลี่ยน dbconfig ให้เชื่อมต่อกับ mssql ของ docker



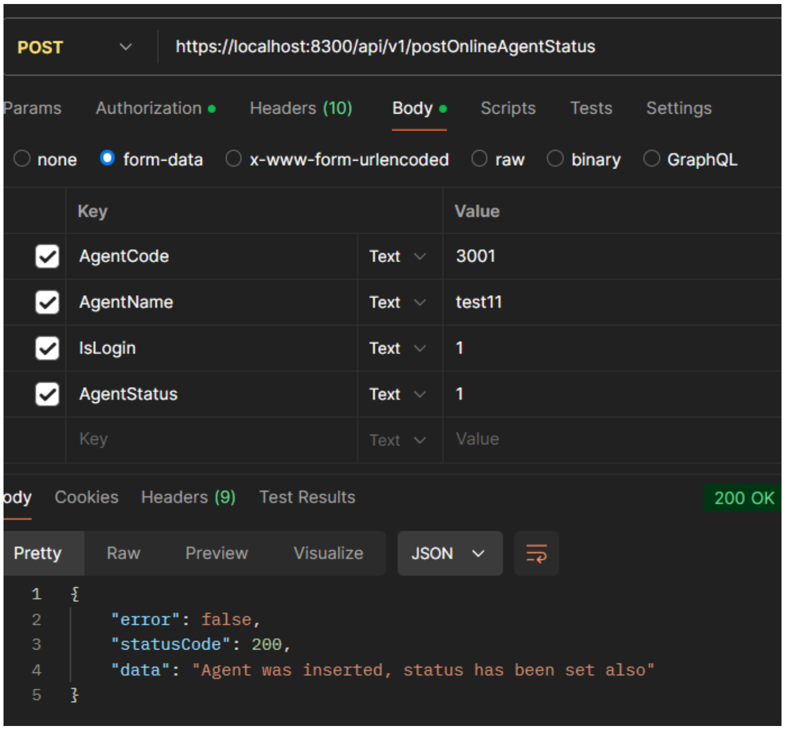
```
var dbconfig = {
    development: {
        server: '127.0.0.1',
        database:'team3_web_labDB',
        user:'sa',
        password:'P@ssw0rd',
        port: 1433,
        options:{
            encript: true,
            setTimeout: 12000,
            enableArithAbort: true,
            trustServerCertificate: true,
            trustedconnection:  true,
            instancename:  '127.0.0.1'  //
        }
    },
```

ทดสอบ ลอง run ดู



```
wsl-training@Missez:~/Final/engse207-endpoint-api$ node webreport-api-https.js
sqlConfig:  {
  server: '127.0.0.1',
  database: 'team3_web_labDB',
  user: 'sa',
  password: 'P@ssw0rd',
  port: 1433,
  options: {
    encript: true,
    setTimeout: 12000,
    enableArithAbort: true,
    trustServerCertificate: true,
    trustedconnection: true,
    instancename: '192.168.246.228'
  }
}
Webreport API Server running on https://0.0.0.0:8300
```

postman



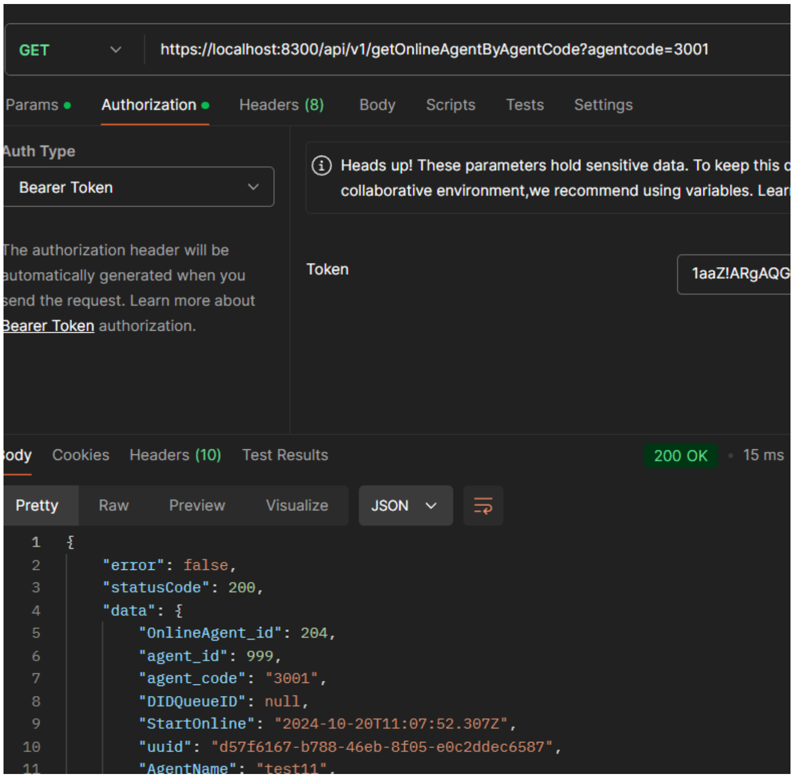
POST https://localhost:8300/api/v1/postOnlineAgentStatus

○ none ● form-data ○ x-www-form-urlencoded ○ raw ○ binary ○ GraphQL

	Key		Value
☑	AgentCode	Text	3001
☑	AgentName	Text	test11
☑	IsLogin	Text	1
☑	AgentStatus	Text	1
	Key	Text	Value

200 OK

```
{
    "error": false,
    "statusCode": 200,
    "data": "Agent was inserted, status has been set also"
}
```



GET https://localhost:8300/api/v1/getOnlineAgentByAgentCode?agentcode=3001

Auth Type

Bearer Token

The authorization header will be automatically generated when you send the request. Learn more about Bearer Token authorization.

Heads up! These parameters hold sensitive data. To keep this c
collaborative environment,we recommend using variables. Lear

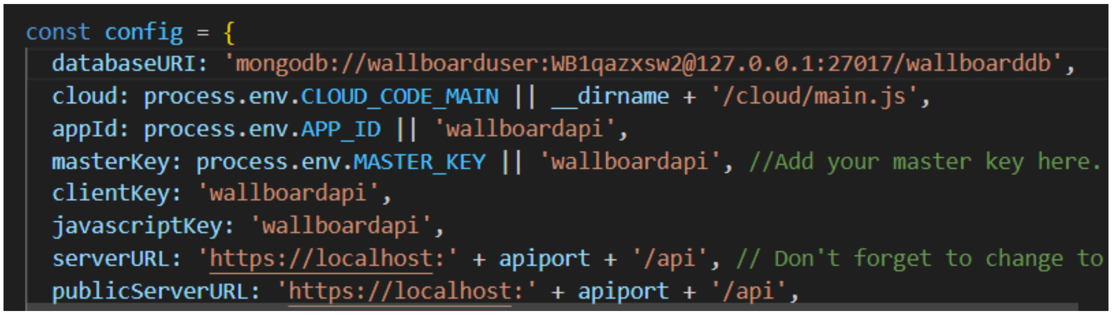
Token 1aaZ!ARgAQG

200 OK • 15 ms

```
{
    "error": false,
    "statusCode": 200,
    "data": {
        "OnlineAgent_id": 204,
        "agent_id": 999,
        "agent_code": "3001",
        "DIDQueueID": null,
        "StartOnline": "2024-10-20T11:07:52.307Z",
        "uuid": "d57f6167-b788-46eb-8f05-e0c2ddec6587",
        "AgentName": "test11",
```

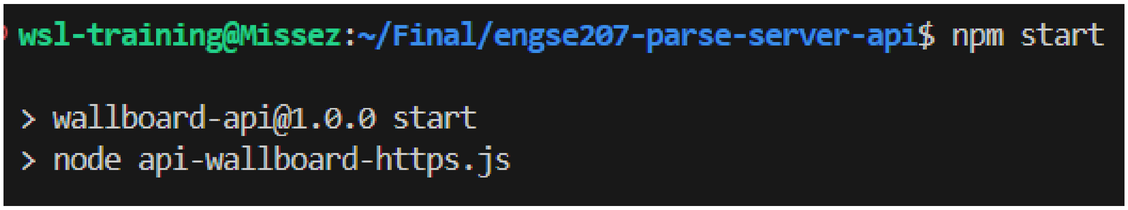
parse-server

ทำการ เปลี่ยน dbconfig ให้เชื่อมต่อกับ mongo ของ docker



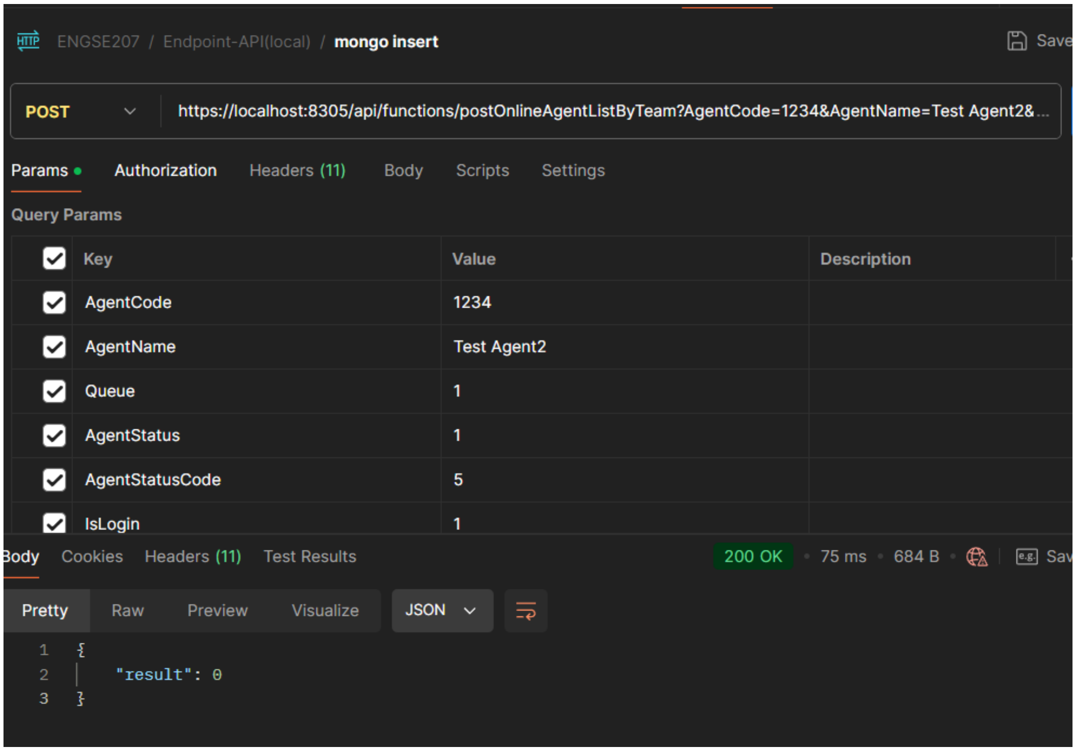
```
const config = {
  databaseURI: 'mongodb://wallboarduser:WB1qazxsw2@127.0.0.1:27017/wallboarddb',
  cloud: process.env.CLOUD_CODE_MAIN || __dirname + '/cloud/main.js',
  appId: process.env.APP_ID || 'wallboardapi',
  masterKey: process.env.MASTER_KEY || 'wallboardapi', //Add your master key here.
  clientKey: 'wallboardapi',
  javascriptKey: 'wallboardapi',
  serverURL: 'https://localhost:' + apiport + '/api', // Don't forget to change to
  publicServerURL: 'https://localhost:' + apiport + '/api',
```

ลอง run



```
wsl-training@Missez:~/Final/engse207-parse-server-api$ npm start

> wallboard-api@1.0.0 start
> node api-wallboard-https.js
```

postman ทดสอบ



POST https://localhost:8305/api/functions/postOnlineAgentListByTeam?AgentCode=1234&AgentName=Test Agent2&...

Query Params

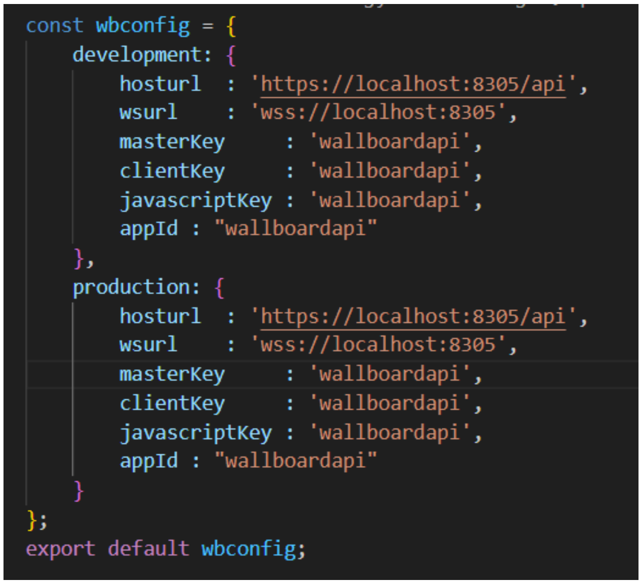
☑	Key	Value	Description
☑	AgentCode	1234	
☑	AgentName	Test Agent2	
☑	Queue	1	
☑	AgentStatus	1	
☑	AgentStatusCode	5	
☑	IsLogin	1	

200 OK · 75 ms · 684 B

```
{
    "result": 0
}
```

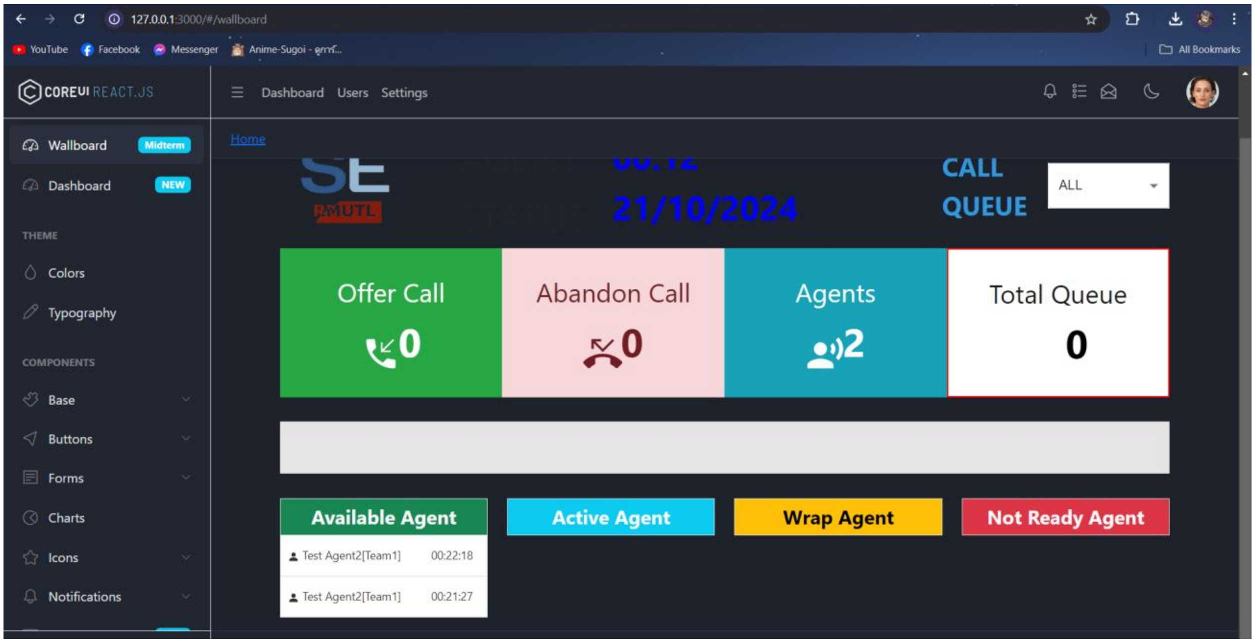
wallboard

แก้ไข hosturl , wsurl ให้เป็น localhost



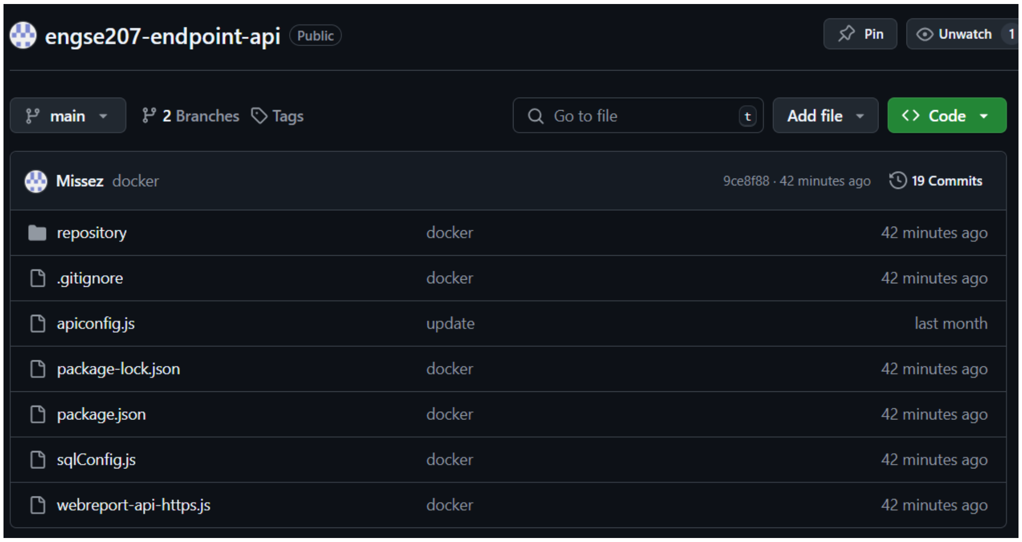
```
const wbconfig = {
    development: {
        hosturl  : 'https://localhost:8305/api',
        wsurl    : 'wss://localhost:8305',
        masterKey     : 'wallboardapi',
        clientKey     : 'wallboardapi',
        javascriptKey : 'wallboardapi',
        appId : "wallboardapi"
    },
    production: {
        hosturl  : 'https://localhost:8305/api',
        wsurl    : 'wss://localhost:8305',
        masterKey     : 'wallboardapi',
        clientKey     : 'wallboardapi',
        javascriptKey : 'wallboardapi',
        appId : "wallboardapi"
    }
};
export default wbconfig;
```

ทำการ run npm start ทดสอบ



Test Agent2[Team1] 00:22:18
Test Agent2[Team1] 00:21:27

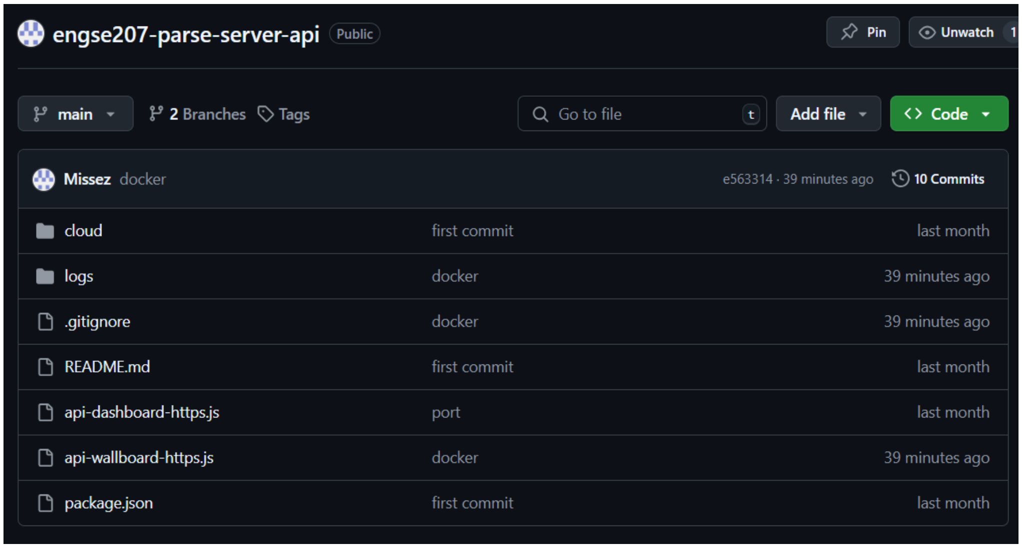
หลังจากทดสอบแล้ว ให้ push ขึ้น git



engse207-endpoint-api

Missez docker 9ce8f88 · 42 minutes ago 19 Commits

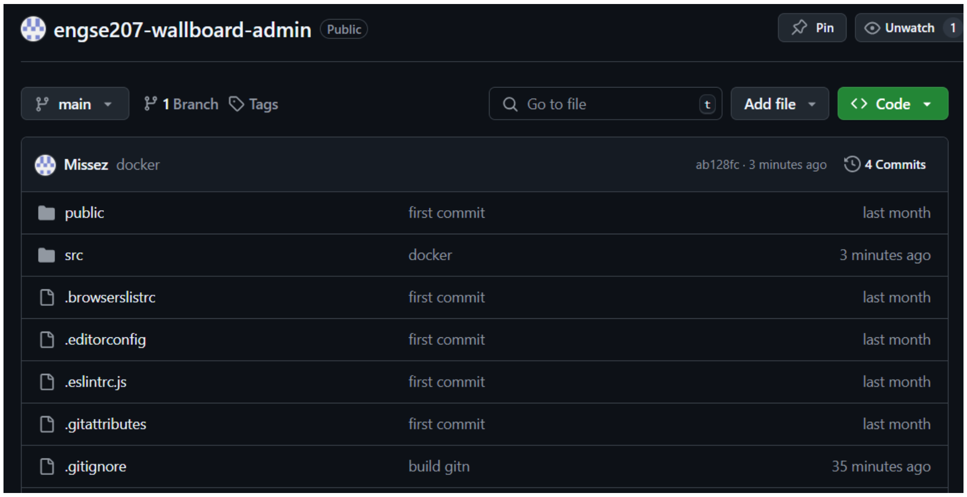
repository	docker	42 minutes ago
.gitignore	docker	42 minutes ago
apiconfig.js	update	last month
package-lock.json	docker	42 minutes ago
package.json	docker	42 minutes ago
sqlConfig.js	docker	42 minutes ago
webreport-api-https.js	docker	42 minutes ago



engse207-parse-server-api

Missez docker e563314 · 39 minutes ago 10 Commits

cloud	first commit	last month
logs	docker	39 minutes ago
.gitignore	docker	39 minutes ago
README.md	first commit	last month
api-dashboard-https.js	port	last month
api-wallboard-https.js	docker	39 minutes ago
package.json	first commit	last month

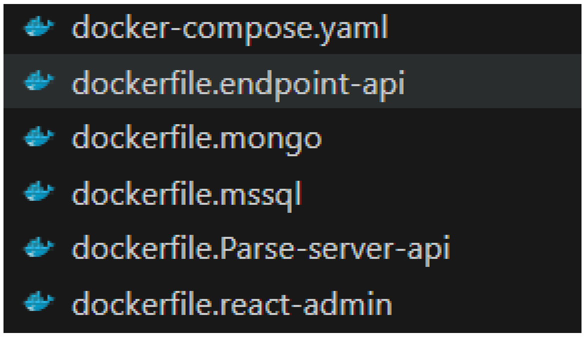


engse207-wallboard-admin

Missez docker ab128fc · 3 minutes ago 4 Commits

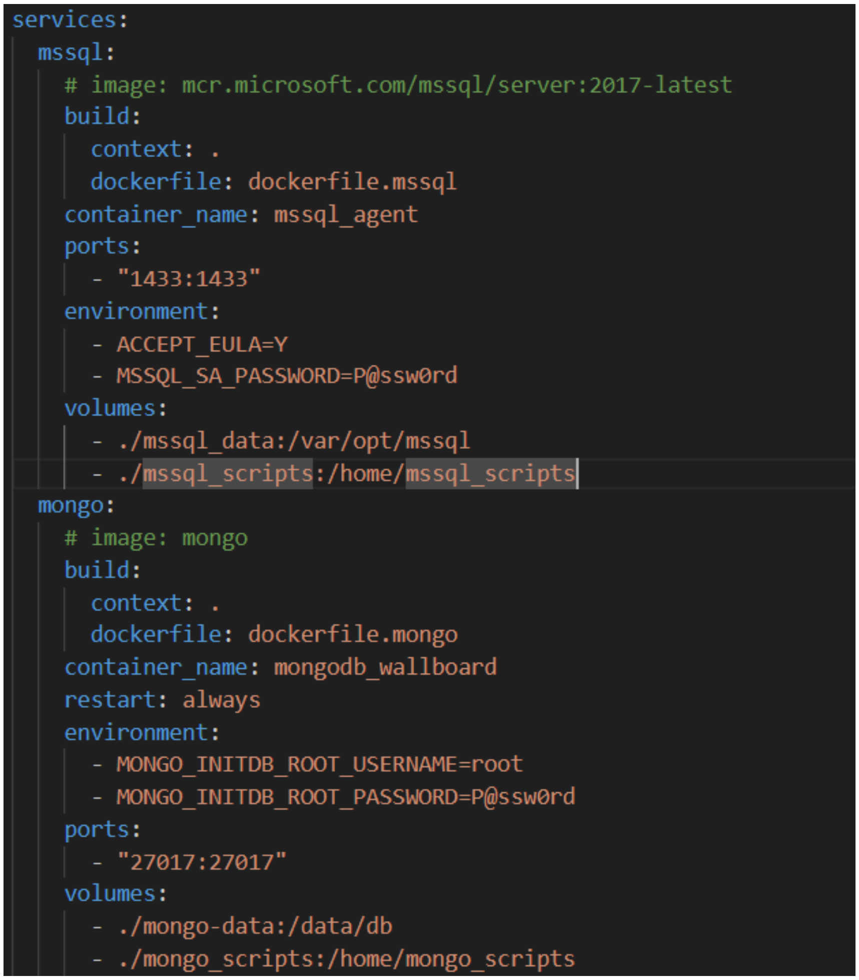
public	first commit	last month
src	docker	3 minutes ago
.browserslistrc	first commit	last month
.editorconfig	first commit	last month
.eslintrc.js	first commit	last month
.gitattributes	first commit	last month
.gitignore	build gitn	35 minutes ago

ทำการสร้าง docker-compose.yaml และ dockerflie ทั้ง 5 ตัว

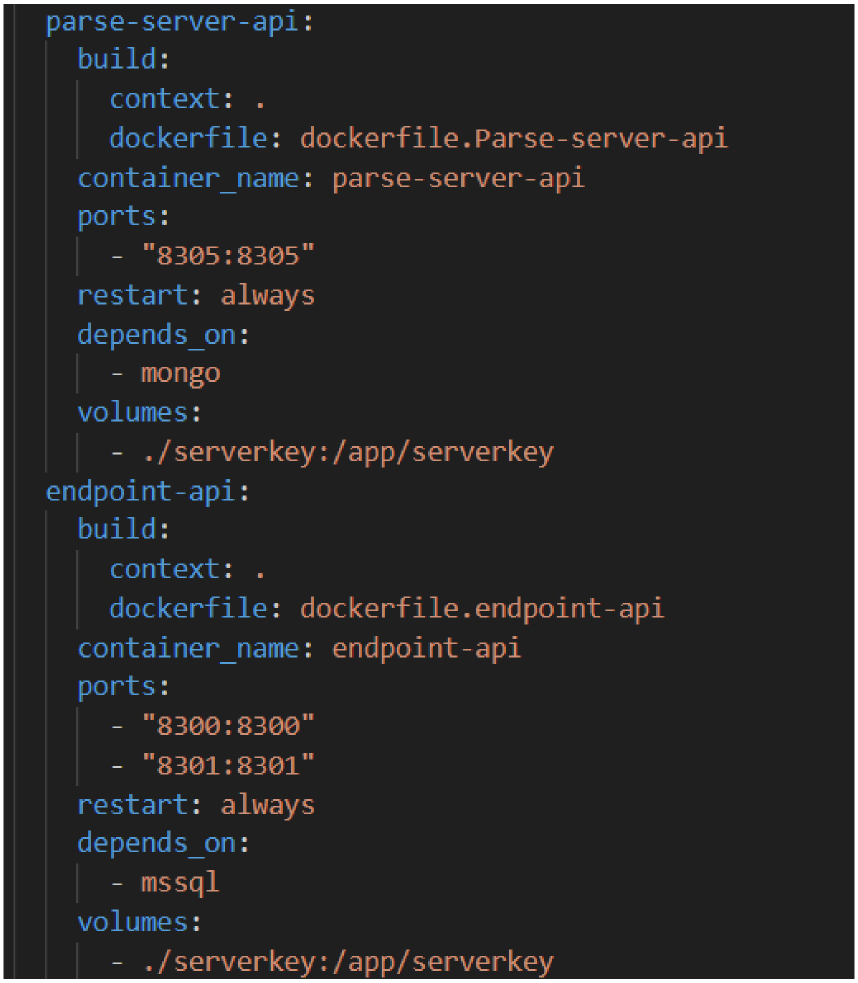


```
docker-compose.yaml
dockerfile.endpoint-api
dockerfile.mongo
dockerfile.mssql
dockerfile.Parse-server-api
dockerfile.react-admin
```

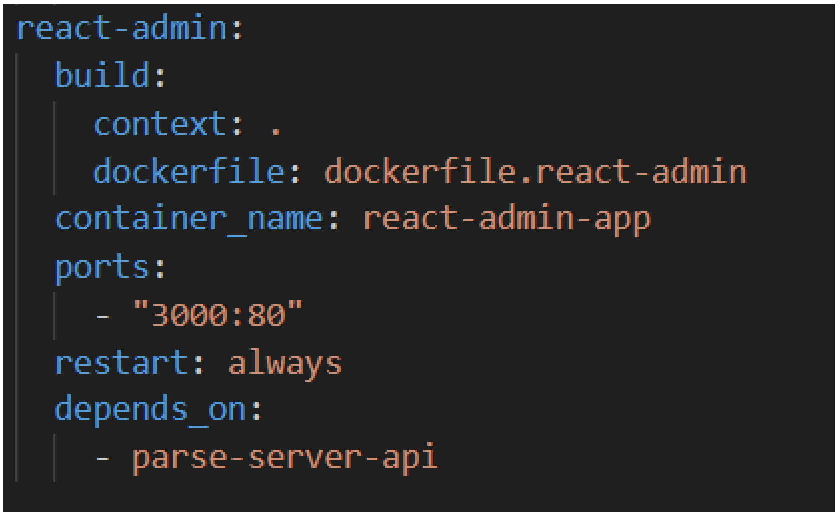
docker-compose.yaml



```yaml
services:
  mssql:
    # image: mcr.microsoft.com/mssql/server:2017-latest
    build:
      context: .
      dockerfile: dockerfile.mssql
    container_name: mssql_agent
    ports:
      - "1433:1433"
    environment:
      - ACCEPT_EULA=Y
      - MSSQL_SA_PASSWORD=P@ssw0rd
    volumes:
      - ./mssql_data:/var/opt/mssql
      - ./mssql_scripts:/home/mssql_scripts
  mongo:
    # image: mongo
    build:
      context: .
      dockerfile: dockerfile.mongo
    container_name: mongodb_wallboard
    restart: always
    environment:
      - MONGO_INITDB_ROOT_USERNAME=root
      - MONGO_INITDB_ROOT_PASSWORD=P@ssw0rd
    ports:
      - "27017:27017"
    volumes:
      - ./mongo-data:/data/db
      - ./mongo_scripts:/home/mongo_scripts
```

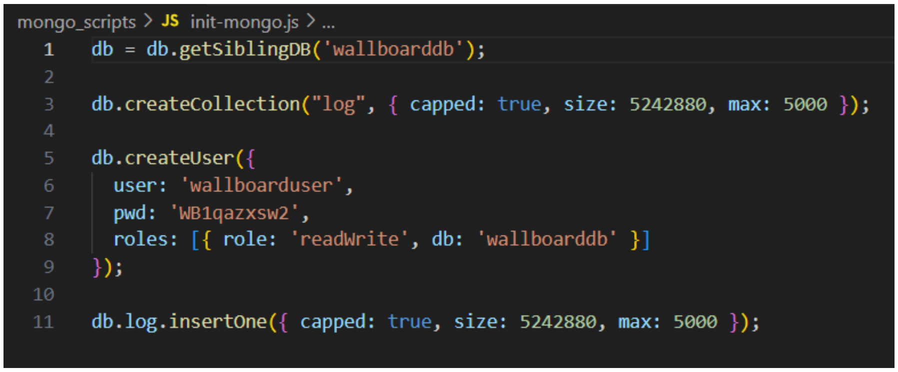


```yaml
  parse-server-api:
    build:
      context: .
      dockerfile: dockerfile.Parse-server-api
    container_name: parse-server-api
    ports:
      - "8305:8305"
    restart: always
    depends_on:
      - mongo
    volumes:
      - ./serverkey:/app/serverkey
  endpoint-api:
    build:
      context: .
      dockerfile: dockerfile.endpoint-api
    container_name: endpoint-api
    ports:
      - "8300:8300"
      - "8301:8301"
    restart: always
    depends_on:
      - mssql
    volumes:
      - ./serverkey:/app/serverkey
```



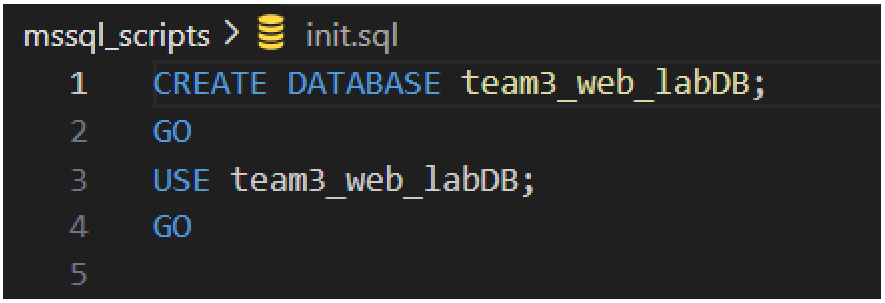
```yaml
react-admin:
  build:
    context: .
    dockerfile: dockerfile.react-admin
  container_name: react-admin-app
  ports:
    - "3000:80"
  restart: always
  depends_on:
    - parse-server-api
```

mongo_scripts จะเป็นการสร้าง DB , user

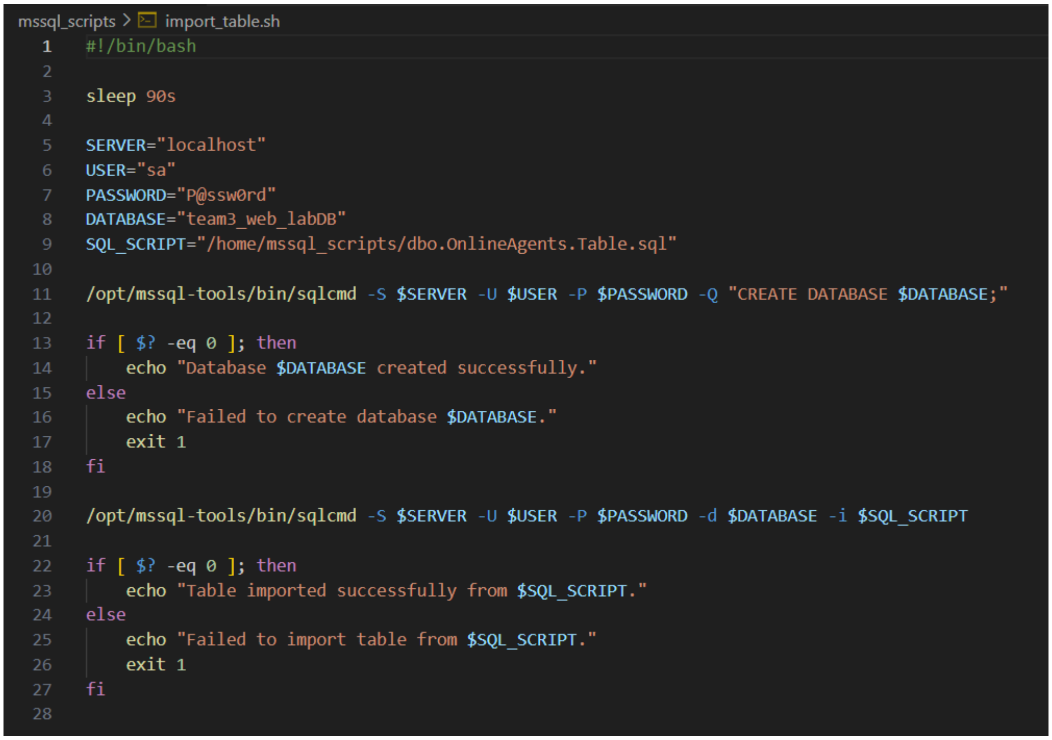


```javascript
db = db.getSiblingDB('wallboarddb');

db.createCollection("log", { capped: true, size: 5242880, max: 5000 });

db.createUser({
  user: 'wallboarduser',
  pwd: 'WB1qazxsw2',
  roles: [{ role: 'readWrite', db: 'wallboarddb' }]
});

db.log.insertOne({ capped: true, size: 5242880, max: 5000 });
```

mssql_scripts จะเป็นการสร้าง DB และ import table

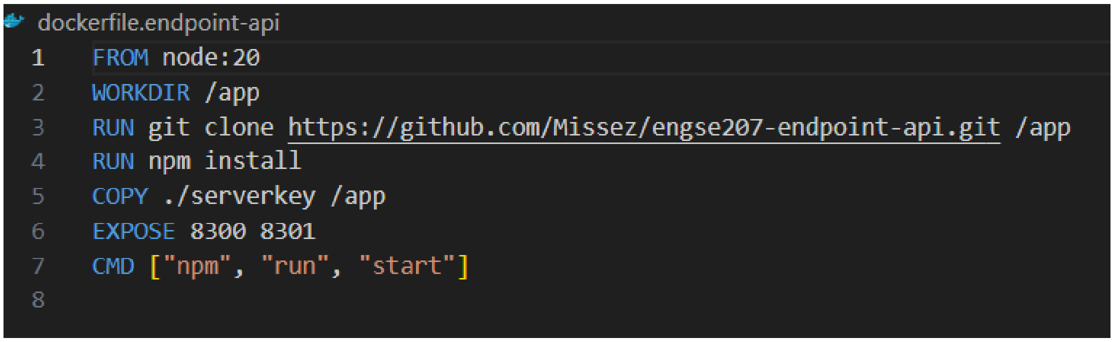


```sql
CREATE DATABASE team3_web_labDB;
GO
USE team3_web_labDB;
GO

```



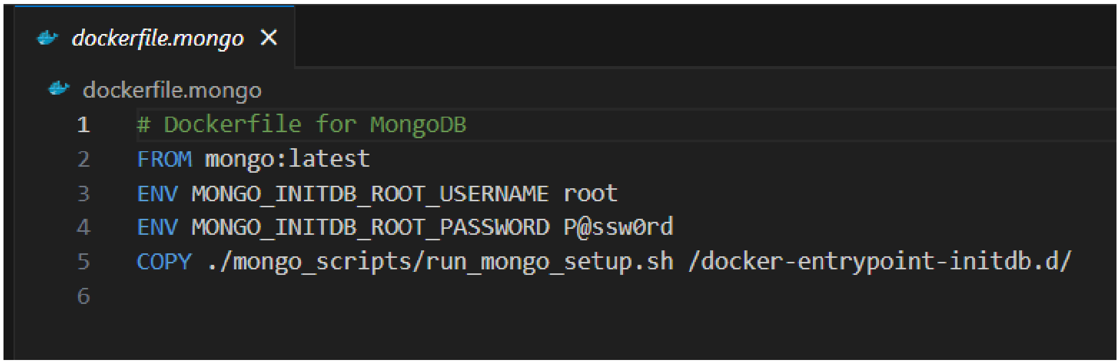
```bash
#!/bin/bash

sleep 90s

SERVER="localhost"
USER="sa"
PASSWORD="P@ssw0rd"
DATABASE="team3_web_labDB"
SQL_SCRIPT="/home/mssql_scripts/dbo.OnlineAgents.Table.sql"

/opt/mssql-tools/bin/sqlcmd -S $SERVER -U $USER -P $PASSWORD -Q "CREATE DATABASE $DATABASE;"

if [ $? -eq 0 ]; then
    echo "Database $DATABASE created successfully."
else
    echo "Failed to create database $DATABASE."
    exit 1
fi

/opt/mssql-tools/bin/sqlcmd -S $SERVER -U $USER -P $PASSWORD -d $DATABASE -i $SQL_SCRIPT

if [ $? -eq 0 ]; then
    echo "Table imported successfully from $SQL_SCRIPT."
else
    echo "Failed to import table from $SQL_SCRIPT."
    exit 1
fi

```

dockerfile.endpoint-api



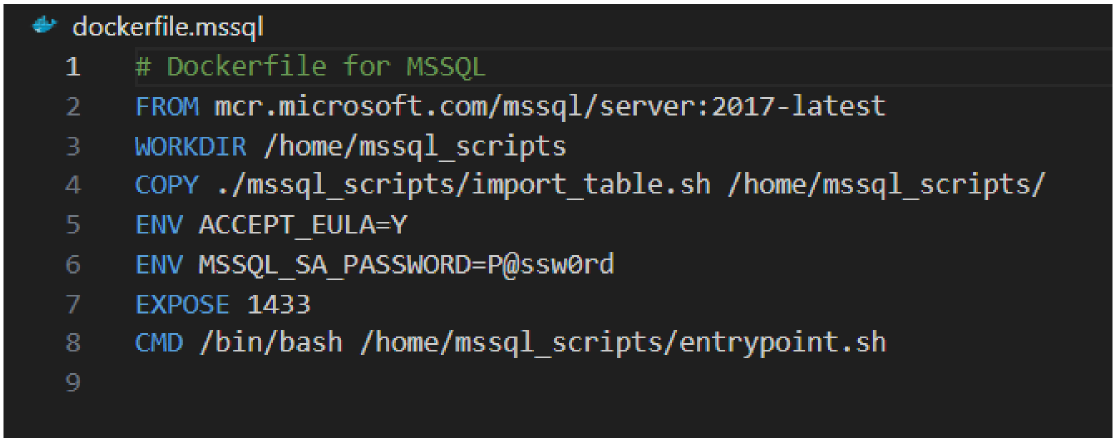
```
FROM node:20
WORKDIR /app
RUN git clone https://github.com/Missez/engse207-endpoint-api.git /app
RUN npm install
COPY ./serverkey /app
EXPOSE 8300 8301
CMD ["npm", "run", "start"]

```

dockerfile.mongo



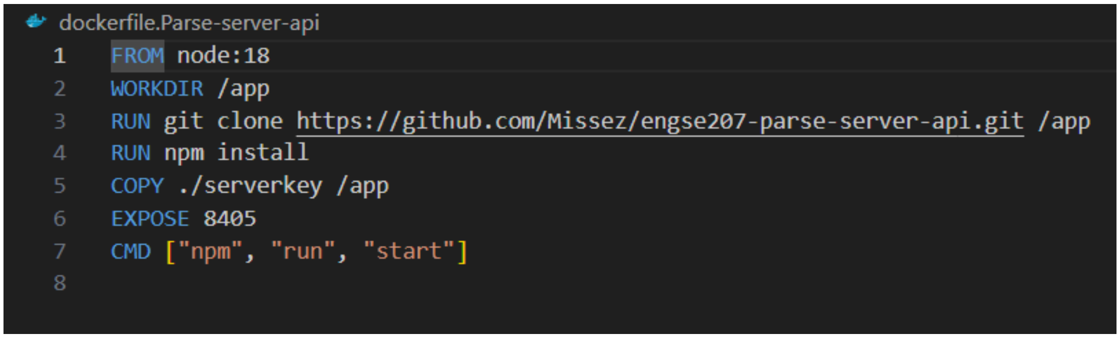
```
# Dockerfile for MongoDB
FROM mongo:latest
ENV MONGO_INITDB_ROOT_USERNAME root
ENV MONGO_INITDB_ROOT_PASSWORD P@ssw0rd
COPY ./mongo_scripts/run_mongo_setup.sh /docker-entrypoint-initdb.d/

```

dockerfile.mssql



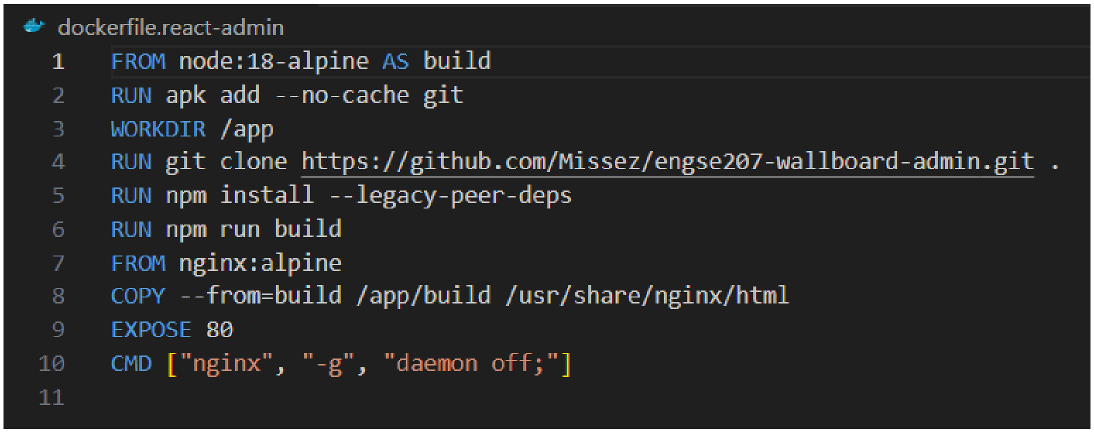
```
# Dockerfile for MSSQL
FROM mcr.microsoft.com/mssql/server:2017-latest
WORKDIR /home/mssql_scripts
COPY ./mssql_scripts/import_table.sh /home/mssql_scripts/
ENV ACCEPT_EULA=Y
ENV MSSQL_SA_PASSWORD=P@ssw0rd
EXPOSE 1433
CMD /bin/bash /home/mssql_scripts/entrypoint.sh

```

dockerfile.Parse-server-api



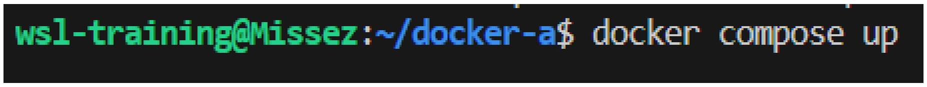
```
FROM node:18
WORKDIR /app
RUN git clone https://github.com/Missez/engse207-parse-server-api.git /app
RUN npm install
COPY ./serverkey /app
EXPOSE 8405
CMD ["npm", "run", "start"]
```

dockerfile.react-admin



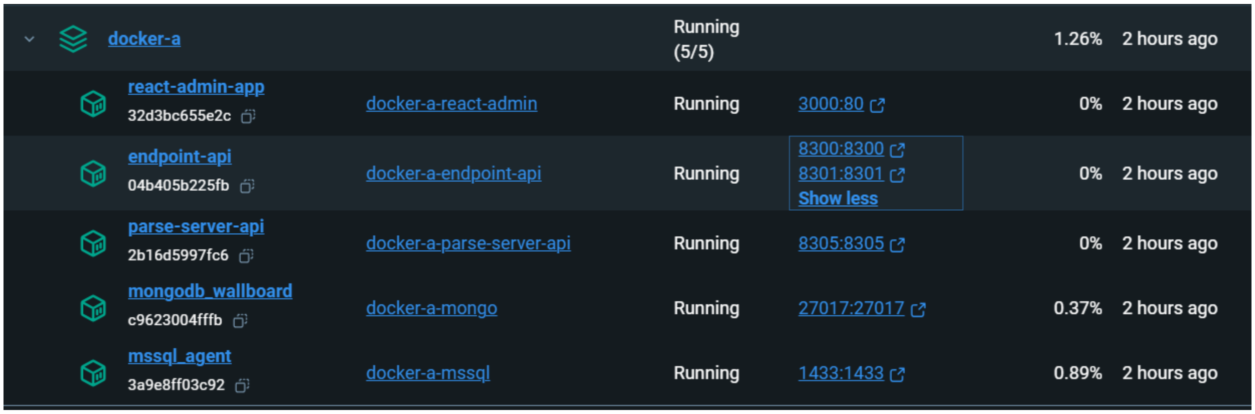
```
FROM node:18-alpine AS build
RUN apk add --no-cache git
WORKDIR /app
RUN git clone https://github.com/Missez/engse207-wallboard-admin.git .
RUN npm install --legacy-peer-deps
RUN npm run build
FROM nginx:alpine
COPY --from=build /app/build /usr/share/nginx/html
EXPOSE 80
CMD ["nginx", "-g", "daemon off;"]
```

จากนั้นทำการ docker compose up



```
wsl-training@Missez:~/docker-a$ docker compose up
```

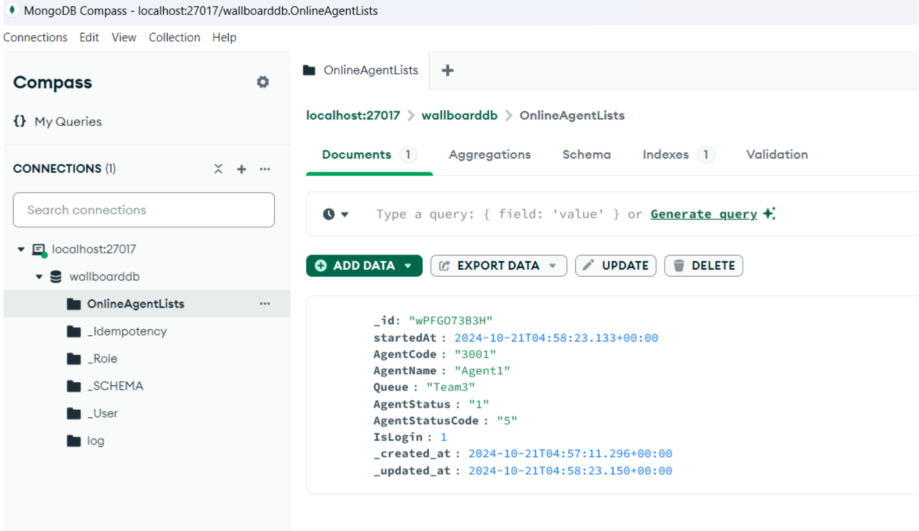
หลังจาก run docker



docker-a		Running (5/5)		1.26%	2 hours ago
react-admin-app 32d3bc655e2c	docker-a-react-admin	Running	3000:80	0%	2 hours ago
endpoint-api 04b405b225fb	docker-a-endpoint-api	Running	8300:8300 8301:8301 Show less	0%	2 hours ago
parse-server-api 2b16d5997fc6	docker-a-parse-server-api	Running	8305:8305	0%	2 hours ago
mongodb_wallboard c9623004fffb	docker-a-mongo	Running	27017:27017	0.37%	2 hours ago
mssql_agent 3a9e8ff03c92	docker-a-mssql	Running	1433:1433	0.89%	2 hours ago

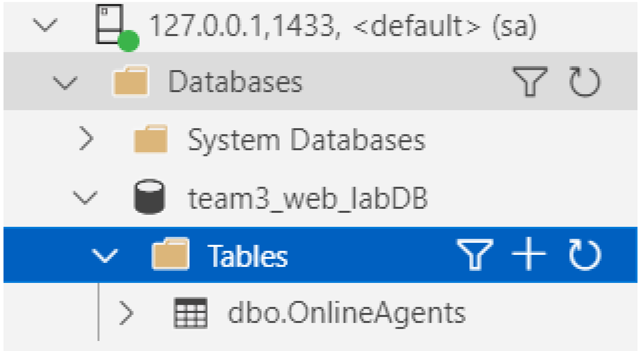
การทดสอบ

mongodb

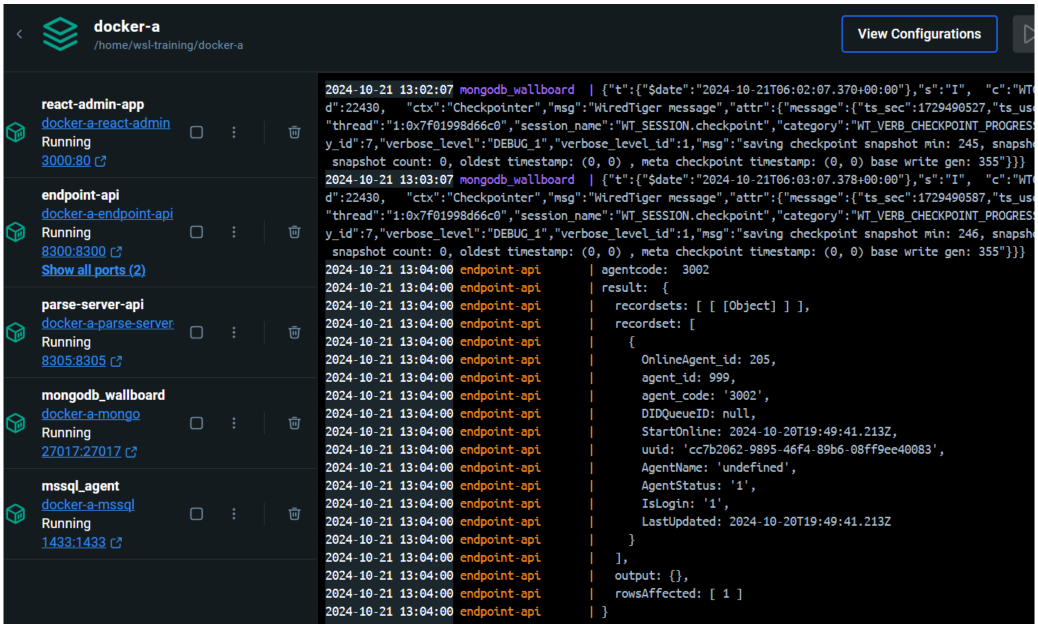


```
_id: "wPFGO73B3H"
startedAt : 2024-10-21T04:58:23.133+00:00
AgentCode : "3001"
AgentName : "Agent1"
Queue : "Team3"
AgentStatus : "1"
AgentStatusCode : "5"
IsLogin : 1
_created_at : 2024-10-21T04:57:11.296+00:00
_updated_at : 2024-10-21T04:58:23.150+00:00
```

mssql



endpoint-api



react-admin-app
docker-a-react-admin
Running
3000:80

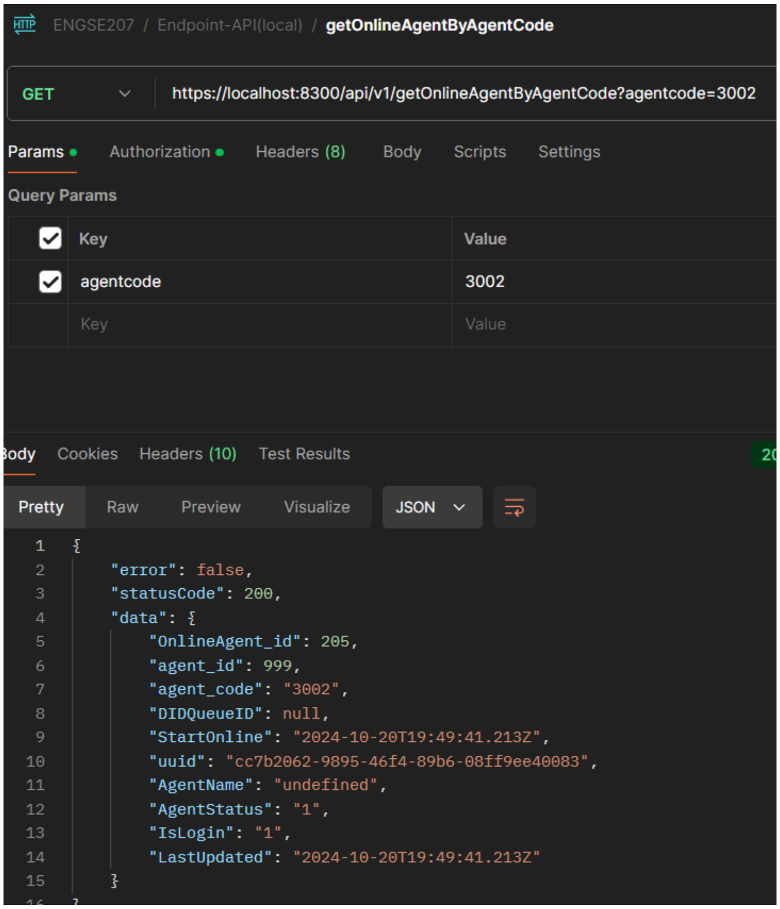
endpoint-api
docker-a-endpoint-api
Running
8300:8300
Show all ports (2)

parse-server-api
docker-a-parse-server
Running
8305:8305

mongodb_wallboard
docker-a-mongo
Running
27017:27017

mssql_agent
docker-a-mssql
Running
1433:1433

```
2024-10-21 13:02:07 mongodb_wallboard  | {"t":{"$date":"2024-10-21T06:02:07.370+00:00"},"s":"I",  "c":"WT
d":22430,   "ctx":"Checkpointer","msg":"WiredTiger message","attr":{"message":{"ts_sec":1729490527,"ts_us
"thread":"1:0x7f01998d66c0","session_name":"WT_SESSION.checkpoint","category":"WT_VERB_CHECKPOINT_PROGRES
y_id":7,"verbose_level":"DEBUG_1","verbose_level_id":1,"msg":"saving checkpoint snapshot min: 245, snapsh
 snapshot count: 0, oldest timestamp: (0, 0) , meta checkpoint timestamp: (0, 0) base write gen: 355"}}}
2024-10-21 13:03:07 mongodb_wallboard  | {"t":{"$date":"2024-10-21T06:03:07.378+00:00"},"s":"I",  "c":"WT
d":22430,   "ctx":"Checkpointer","msg":"WiredTiger message","attr":{"message":{"ts_sec":1729490587,"ts_us
"thread":"1:0x7f01998d66c0","session_name":"WT_SESSION.checkpoint","category":"WT_VERB_CHECKPOINT_PROGRES
y_id":7,"verbose_level":"DEBUG_1","verbose_level_id":1,"msg":"saving checkpoint snapshot min: 246, snapsh
 snapshot count: 0, oldest timestamp: (0, 0) , meta checkpoint timestamp: (0, 0) base write gen: 355"}}}
2024-10-21 13:04:00 endpoint-api       | agentcode:  3002
2024-10-21 13:04:00 endpoint-api       | result:  {
2024-10-21 13:04:00 endpoint-api       |   recordsets: [ [ [Object] ] ],
2024-10-21 13:04:00 endpoint-api       |   recordset: [
2024-10-21 13:04:00 endpoint-api       |     {
2024-10-21 13:04:00 endpoint-api       |       OnlineAgent_id: 205,
2024-10-21 13:04:00 endpoint-api       |       agent_id: 999,
2024-10-21 13:04:00 endpoint-api       |       agent_code: '3002',
2024-10-21 13:04:00 endpoint-api       |       DIDQueueID: null,
2024-10-21 13:04:00 endpoint-api       |       StartOnline: 2024-10-20T19:49:41.213Z,
2024-10-21 13:04:00 endpoint-api       |       uuid: 'cc7b2062-9895-46f4-89b6-08ff9ee40083',
2024-10-21 13:04:00 endpoint-api       |       AgentName: 'undefined',
2024-10-21 13:04:00 endpoint-api       |       AgentStatus: '1',
2024-10-21 13:04:00 endpoint-api       |       IsLogin: '1',
2024-10-21 13:04:00 endpoint-api       |       LastUpdated: 2024-10-20T19:49:41.213Z
2024-10-21 13:04:00 endpoint-api       |     }
2024-10-21 13:04:00 endpoint-api       |   ],
2024-10-21 13:04:00 endpoint-api       |   output: {},
2024-10-21 13:04:00 endpoint-api       |   rowsAffected: [ 1 ]
2024-10-21 13:04:00 endpoint-api       | }
```



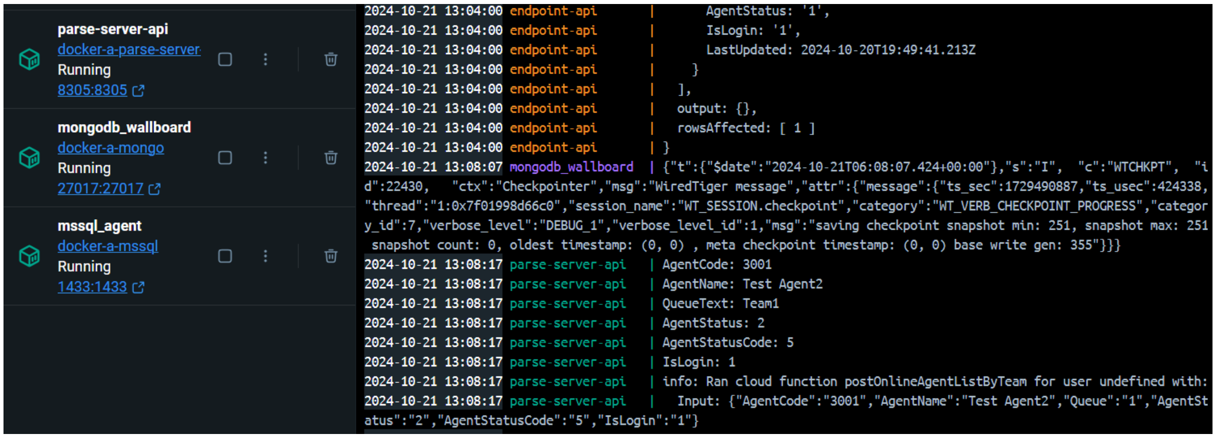
GET https://localhost:8300/api/v1/getOnlineAgentByAgentCode?agentcode=3002

Query Params

	Key	Value
☑	agentcode	3002
	Key	Value

```
{
    "error": false,
    "statusCode": 200,
    "data": {
        "OnlineAgent_id": 205,
        "agent_id": 999,
        "agent_code": "3002",
        "DIDQueueID": null,
        "StartOnline": "2024-10-20T19:49:41.213Z",
        "uuid": "cc7b2062-9895-46f4-89b6-08ff9ee40083",
        "AgentName": "undefined",
        "AgentStatus": "1",
        "IsLogin": "1",
        "LastUpdated": "2024-10-20T19:49:41.213Z"
    }
}
```

parse-server-api

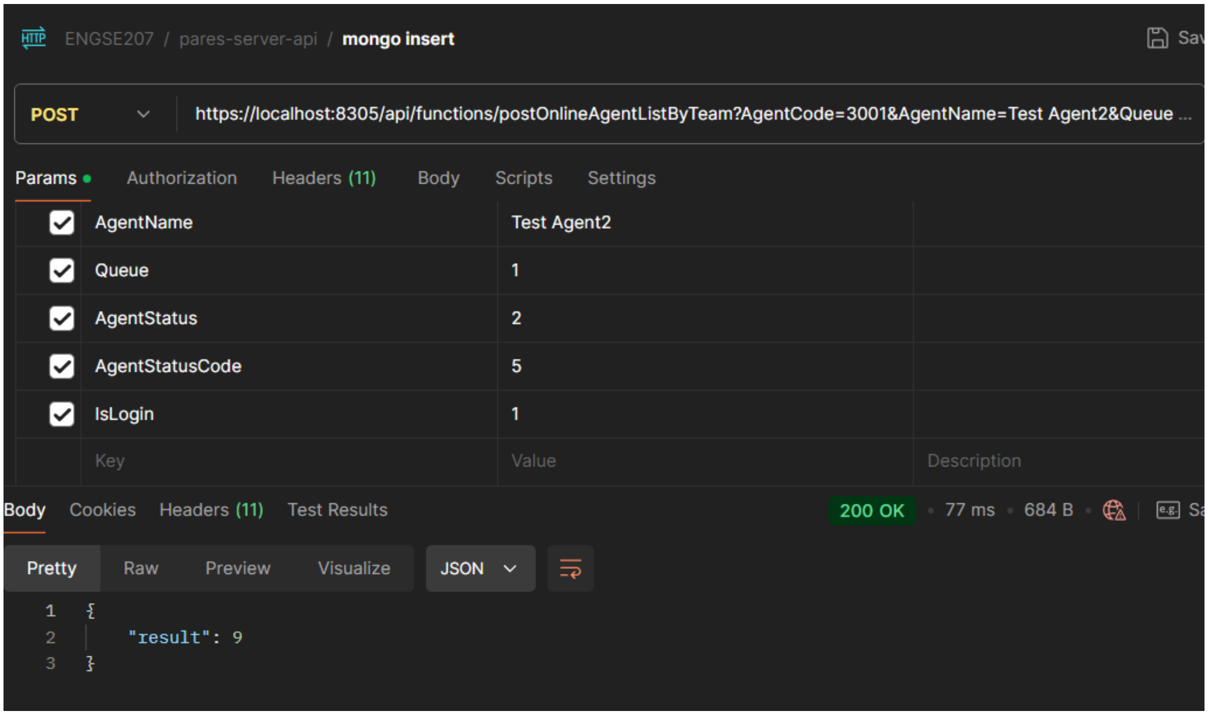


parse-server-api
docker-a-parse-server
Running
8305:8305

mongodb_wallboard
docker-a-mongo
Running
27017:27017

mssql_agent
docker-a-mssql
Running
1433:1433

```
2024-10-21 13:04:00 endpoint-api       |       AgentStatus: '1',
2024-10-21 13:04:00 endpoint-api       |       IsLogin: '1',
2024-10-21 13:04:00 endpoint-api       |       LastUpdated: 2024-10-20T19:49:41.213Z
2024-10-21 13:04:00 endpoint-api       |     }
2024-10-21 13:04:00 endpoint-api       |   ],
2024-10-21 13:04:00 endpoint-api       |   output: {},
2024-10-21 13:04:00 endpoint-api       |   rowsAffected: [ 1 ]
2024-10-21 13:04:00 endpoint-api       | }
2024-10-21 13:08:07 mongodb_wallboard  | {"t":{"$date":"2024-10-21T06:08:07.424+00:00"},"s":"I",  "c":"WTCHKPT",  "i
d":22430,   "ctx":"Checkpointer","msg":"WiredTiger message","attr":{"message":{"ts_sec":1729490887,"ts_usec":424338,
"thread":"1:0x7f01998d66c0","session_name":"WT_SESSION.checkpoint","category":"WT_VERB_CHECKPOINT_PROGRESS","categor
y_id":7,"verbose_level":"DEBUG_1","verbose_level_id":1,"msg":"saving checkpoint snapshot min: 251, snapshot max: 251
 snapshot count: 0, oldest timestamp: (0, 0) , meta checkpoint timestamp: (0, 0) base write gen: 355"}}}
2024-10-21 13:08:17 parse-server-api   | AgentCode: 3001
2024-10-21 13:08:17 parse-server-api   | AgentName: Test Agent2
2024-10-21 13:08:17 parse-server-api   | QueueText: Team1
2024-10-21 13:08:17 parse-server-api   | AgentStatus: 2
2024-10-21 13:08:17 parse-server-api   | AgentStatusCode: 5
2024-10-21 13:08:17 parse-server-api   | IsLogin: 1
2024-10-21 13:08:17 parse-server-api   | info: Ran cloud function postOnlineAgentListByTeam for user undefined with:
2024-10-21 13:08:17 parse-server-api   |   Input: {"AgentCode":"3001","AgentName":"Test Agent2","Queue":"1","AgentSt
atus":"2","AgentStatusCode":"5","IsLogin":"1"}
```



ENGSE207 / pares-server-api / **mongo insert**

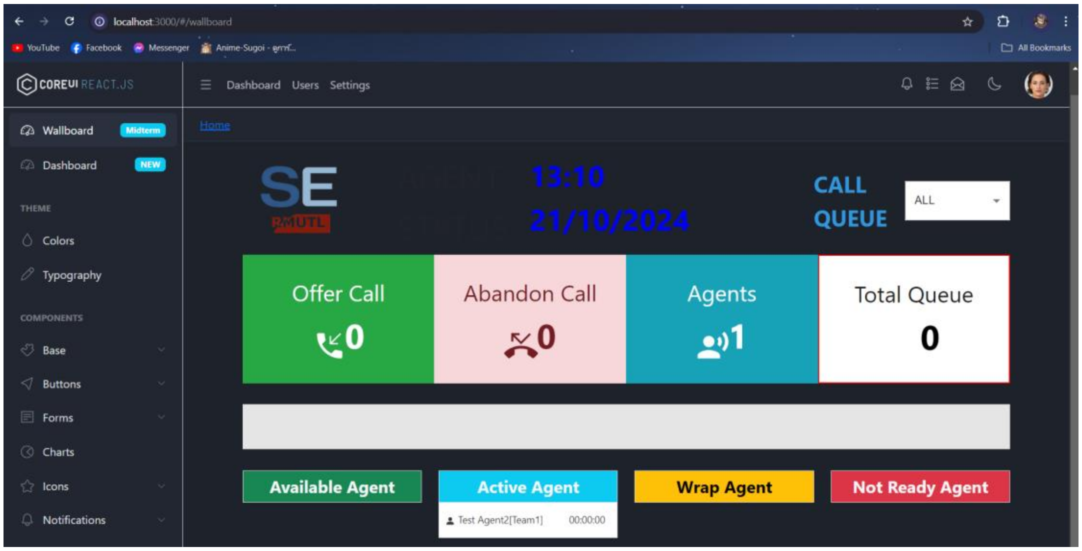
POST https://localhost:8305/api/functions/postOnlineAgentListByTeam?AgentCode=3001&AgentName=Test Agent2&Queue ...

☑	AgentName	Test Agent2	
☑	Queue	1	
☑	AgentStatus	2	
☑	AgentStatusCode	5	
☑	IsLogin	1	
	Key	Value	Description

200 OK • 77 ms • 684 B

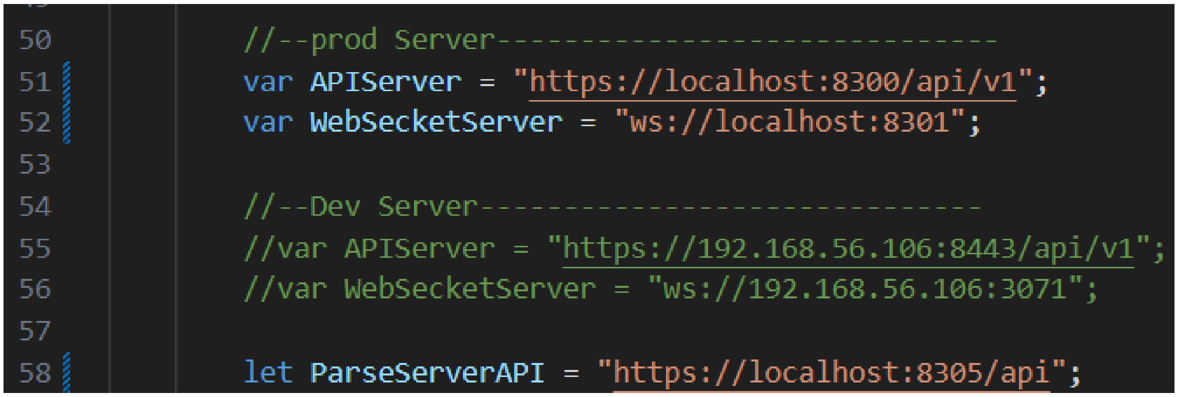
```
{
    "result": 9
}
```

wallboard



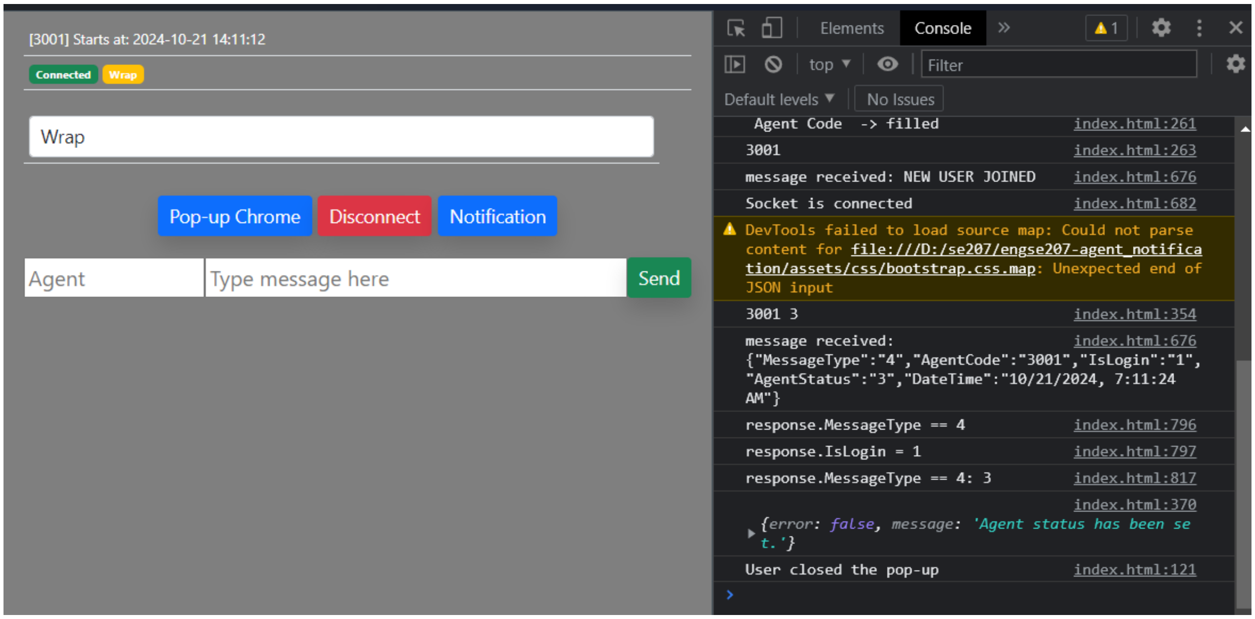
agent-notification

ทำการแก้ APIServer, WebSecketServer , ParseServerAPI เป็น localhost



```
    //--prod Server------------------------------
    var APIServer = "https://localhost:8300/api/v1";
    var WebSecketServer = "ws://localhost:8301";

    //--Dev Server------------------------------
    //var APIServer = "https://192.168.56.106:8443/api/v1";
    //var WebSecketServer = "ws://192.168.56.106:3071";

    let ParseServerAPI = "https://localhost:8305/api";
```

run

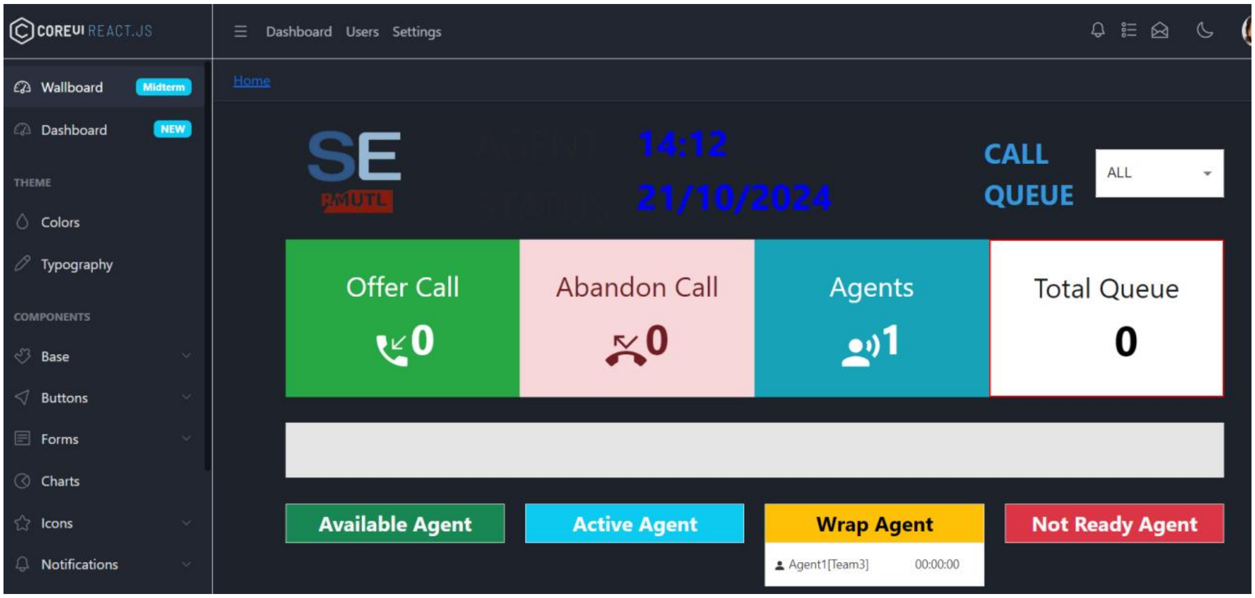


[3001] Starts at: 2024-10-21 14:11:12

Wrap

Agent | Type message here

```
Agent Code  -> filled                         index.html:261
3001                                          index.html:263
message received: NEW USER JOINED             index.html:676
Socket is connected                           index.html:682
⚠ DevTools failed to load source map: Could not parse
content for file:///D:/se207/engse207-agent_notifica
tion/assets/css/bootstrap.css.map: Unexpected end of
JSON input
3001 3                                        index.html:354
message received:                             index.html:676
{"MessageType":"4","AgentCode":"3001","IsLogin":"1",
"AgentStatus":"3","DateTime":"10/21/2024, 7:11:24
AM"}
response.MessageType == 4                     index.html:796
response.IsLogin = 1                          index.html:797
response.MessageType == 4: 3                  index.html:817
                                              index.html:370
▸ {error: false, message: 'Agent status has been se
t.'}
User closed the pop-up                        index.html:121
```



14:12
21/10/2024

Offer Call	Abandon Call	Agents	Total Queue
0	0	1	0

Available Agent	Active Agent	Wrap Agent	Not Ready Agent
		Agent1[Team3] 00:00:00	

link ทดสอบ