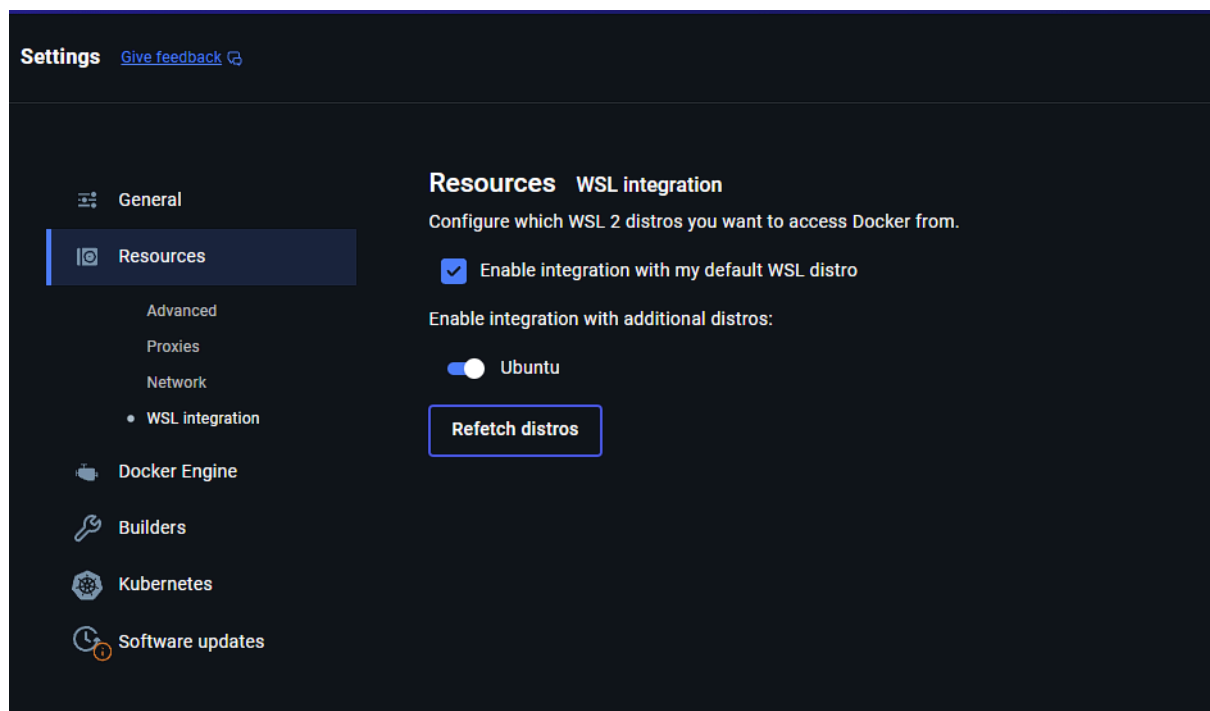


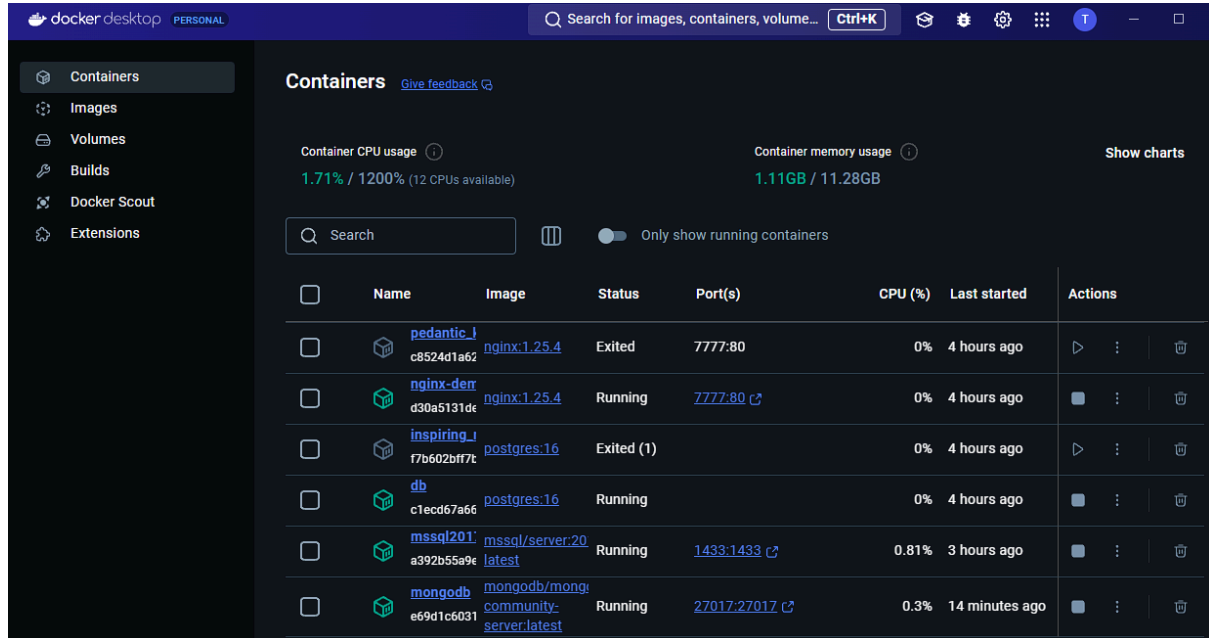
VDO ติดตั้ง WSL แล้วเช็ค version

```
PS C:\Users\WINDOWS 10> wsl -v
WSL version: 2.2.4.0
Kernel version: 5.15.153.1-2
WSLg version: 1.0.61
MSRDC version: 1.2.5326
Direct3D version: 1.611.1-81528511
DXCore version: 10.0.26091.1-240325-1447.ge-release
Windows version: 10.0.22631.4317
PS C:\Users\WINDOWS 10> wsl -l -v
  NAME                STATE      VERSION
* docker-desktop      Running    2
  Ubuntu               Running    2
PS C:\Users\WINDOWS 10> |
```

ตั้งค่า ใช้ wsl ใน docker



หน้าของ docker



ทำการ pull nginx

```
thanaphon_pa66@LAPTOP-OSE43R21:~/dockerlab1$ docker image pull nginx:1.25.4
1.25.4: Pulling from library/nginx
13808c22b207: Pull complete
6fcdffcd79f0: Pull complete
fbf231d461b3: Pull complete
c9590dd9c988: Pull complete
b4033143d859: Pull complete
abaefc5fcbde: Pull complete
bcef83155b8b: Pull complete
Digest: sha256:9ff236ed47fe39cf1f0acf349d0e5137f8b8a6fd0b46e5117a401010e56222e1
Status: Downloaded newer image for nginx:1.25.4
docker.io/library/nginx:1.25.4
thanaphon_pa66@LAPTOP-OSE43R21:~/dockerlab1$ docker image
```

รันคอนเทนเนอร์ Nginx

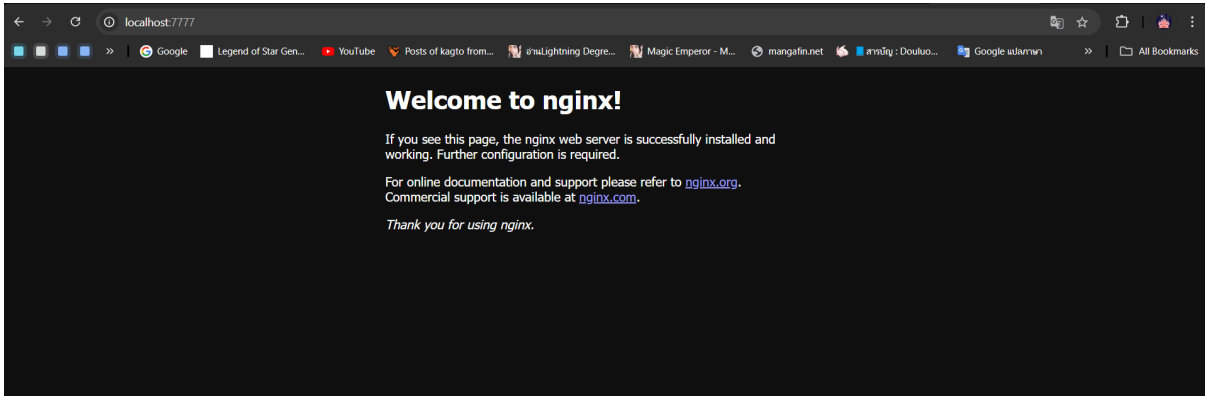
```
thanaphon_pa66@LAPTOP-OSE43R21:~/dockerlab1$ docker container run -d nginx:1.25.4
8b9de74af35d08b6461efb00305dcf91aca89232827d7a0a1fad43d00664fbbe
thanaphon_pa66@LAPTOP-OSE43R21:~/dockerlab1$ docker container run nginx:1.25.4
/docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration
/docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
/docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
10-listen-on-ipv6-by-default.sh: info: Getting the checksum of /etc/nginx/conf.d/default.conf
10-listen-on-ipv6-by-default.sh: info: Enabled listen on IPv6 in /etc/nginx/conf.d/default.conf
/docker-entrypoint.sh: Sourcing /docker-entrypoint.d/15-local-resolvers.envsh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
/docker-entrypoint.sh: Configuration complete; ready for start up
2024/10/11 04:39:55 [notice] 1#1: using the "epoll" event method
2024/10/11 04:39:55 [notice] 1#1: nginx/1.25.4
```

รันคำสั่ง ใช้ port 7777

```

thanaphon_pa66@LAPTOP-OSE43R21:~/dockerlab1$ docker container ps -a
CONTAINER ID   IMAGE          COMMAND                  CREATED          STATUS          PORTS          NAMES
thanaphon_pa66@LAPTOP-OSE43R21:~/dockerlab1$ docker container run -d -p 7777:80 nginx:1.25.4
510ce17d015895e6d889a6480cd8f1d77955e3013ca8646a61109ea551b09866
thanaphon_pa66@LAPTOP-OSE43R21:~/dockerlab1$ docker container ps -a
CONTAINER ID   IMAGE          COMMAND                  CREATED          STATUS          PORTS          NAMES
510ce17d0158   nginx:1.25.4   "/docker-entrypoint..." About a minute ago Up About a minute   0.0.0.0:7777->80/tcp   suspicious_williams
thanaphon_pa66@LAPTOP-OSE43R21:~/dockerlab1$

```



Clone ENGSE207 Docker git repository ลงมา แล้วทำตามขั้นตอนที่ผ่านมามาใหม่

```

thanaphon_pa66@LAPTOP-OSE43R21:~/engse207-docker$ ls -la
total 36
drwxr-xr-x  8 thanaphon_pa66 thanaphon_pa66 4096 Oct 18 13:22 .
drwxr-xr-x 15 thanaphon_pa66 thanaphon_pa66 4096 Oct 18 11:10 ..
drwxr-xr-x  8 thanaphon_pa66 thanaphon_pa66 4096 Oct 18 13:20 .git
-rw-r--r--  1 thanaphon_pa66 thanaphon_pa66  390 Oct 18 09:39 README.md
drwxr-xr-x  2 thanaphon_pa66 thanaphon_pa66 4096 Oct 18 09:39 docker
drwxr-xr-x  9 thanaphon_pa66 thanaphon_pa66 4096 Oct 18 09:39 docker-compose
drwxr-xr-x  2 thanaphon_pa66 thanaphon_pa66 4096 Oct 18 10:14 docker-image
drwxr-xr-x  3 thanaphon_pa66 thanaphon_pa66 4096 Oct 18 09:39 dockerfile
drwxr-xr-x  2 thanaphon_pa66 thanaphon_pa66 4096 Oct 18 13:24 mssql_scripts
thanaphon_pa66@LAPTOP-OSE43R21:~/engse207-docker$

```

ติดตั้ง MSSQL Image and Configuration
pull image

```

thanaphon_pa66@LAPTOP-OSE43R21:~/engse207-docker/docker-image$ docker pull mcr.microsoft.com/mssql/server:2017-latest

```

Config SA Password

```

thanaphon_pa66@LAPTOP-OSE43R21:~/engse207-docker/docker-image$ docker run -e "ACCEPT_EULA=Y" -e "MSSQL_SA_PASSWORD=P@ssw0rd" -p 1433:1433 --name mssql2017 -d mcr.microsoft.com/mssql/server:2017-latest

```

เข้าไปที่ mssql command line

```

thanaphon_pa66@LAPTOP-QSE43R21: /engse207-docker/docker-image$ docker exec -it mssql2017 "bash"
root@a392b55a9ec8:/# /opt/mssql-tools/bin/sqlcmd
Sqlcmd: Error: Microsoft ODBC Driver 17 for SQL Server : SSPI Provider: No Kerberos credentials available (default cache: FILE:/tmp/krb5cc_0).
Sqlcmd: Error: Microsoft ODBC Driver 17 for SQL Server : Cannot generate SSPI context.
root@a392b55a9ec8:/# docker exec -t mssql2017 cat /var/opt/mssql/log/errorlog | grep connection
bash: docker: command not found
root@a392b55a9ec8:/# /opt/mssql-tools/bin/sqlcmd -S localhost -U sa -P P@ssw0rd
1> SELECT Name from sys.databases;
2> go
Name
-----
master
tempdb
model
msdb
(4 rows affected)
1>

```

สร้าง Database

```

root@a392b55a9ec8:/# docker exec -t mssql2017 cat /var/opt/mssql/log/errorlog | grep connection
bash: docker: command not found
root@a392b55a9ec8:/# /opt/mssql-tools/bin/sqlcmd -S localhost -U sa -P P@ssw0rd
1> SELECT Name from sys.databases;
2> go
Name
-----
master
tempdb
model
msdb

(4 rows affected)
1> CREATE DATABASE team6_web_labDB;
2> go
1> use team6_web_labDB;
2> go
Changed database context to 'team6_web_labDB'.
1> SELECT Name from sys.Databases;
2> go
Name
-----
master
tempdb
model
msdb
team6_web_labDB

(5 rows affected)
1> use team6_web_labDB;
2> go
Changed database context to 'team6_web_labDB'.
1> CREATE TABLE dbo.Inventory ( id INT, name NVARCHAR(50), quantity INT, PRIMARY KEY (id));
2> go
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)
1> SELECT * FROM dbo.Inventory;
2> go
id          name          quantity
-----
1 banana          150
2 orange          154

(2 rows affected)

```

Import SQL Data

Import data โดยเรียกโปรแกรม mssqlcmd

```

thanaphon_pa66@LAPTOP-OSE43R21:~/engse207-docker/docker-imag$ docker cp ~/engse207-docker/mssql_scripts/dbo.OnlineAgents.Table.sql a392b55a9ec8:/home
Successfully copied 74.2kB to a392b55a9ec8:/home
thanaphon_pa66@LAPTOP-OSE43R21:~/engse207-docker/docker-imag$ docker exec -it mssql2017 "bash"
root@a392b55a9ec8:/# /opt/mssql-tools/bin/sqlcmd -S localhost -U sa -p -d team6_web_labDB -i /home/dbo.OnlineAgents.Table.sql
Password:

Network packet size (bytes): 4096
1 xact[s]:
Clock Time (ms.): total      1 avg  1.0 (1000.0 xacts per sec.)

Network packet size (bytes): 4096
1 xact[s]:
Clock Time (ms.): total      1 avg  1.0 (1000.0 xacts per sec.)

Network packet size (bytes): 4096
1 xact[s]:
Clock Time (ms.): total      8 avg  8.0 (125.0 xacts per sec.)

(1 rows affected)

(1 rows affected)

(1 rows affected)

(1 rows affected)

(1 rows affected)

```

```
root@a392b55a9ec8:/# /opt/mssql-tools/bin/sqlcmd -S localhost -U sa -P P@ssw0rd -d team6_web_labDB -i /home/dbo.OnlineAgents.Table.sql
Msg 2714, Level 16, State 6, Server a392b55a9ec8, Line 1
There is already an object named 'OnlineAgents' in the database.
Msg 2627, Level 14, State 1, Server a392b55a9ec8, Line 3
Violation of PRIMARY KEY constraint 'PK_OnlineAgents'. Cannot insert duplicate key in object 'dbo.OnlineAgents'. The duplicate key value is (1).
The statement has been terminated.
SqlState 24000, Invalid cursor state
SqlState 24000, Invalid cursor state
SqlState 24000, Invalid cursor state
SqlState 24000, Invalid cursor state
SqlState 24000, Invalid cursor state
root@a392b55a9ec8:/# /opt/mssql-tools/bin/sqlcmd -S localhost -U sa -P P@ssw0rd
1> use team6_web_labDB;
2> go
Changed database context to 'team6_web_labDB'.
1> SELECT * FROM dbo.OnlineAgents;
2> go
OnlineAgent_id agent_id agent_code DIDQueueID StartOnline uuid AgentName
AgentStatus IsLogin LastUpdated
-----
1 NULL 9999 1 NULL 2023-08-31 13:56:26.033 cb40f193-1317-4b17-a360-506cd89700f7 Dev2
1 2023-08-31 13:56:26.033
2 NULL 3891 1 NULL 2023-09-05 14:27:35.483 0a9c6366-5ec7-4727-8698-045b977afe61 Dev2
1 2023-09-05 14:27:35.483
3 NULL 9998 1 NULL 2023-09-07 14:05:20.360 5ac956de-560b-4888-8b69-d77dfd3191d Dev2
1 2023-09-07 14:05:20.360
4 NULL 99998 1 NULL 2023-09-08 10:08:16.063 b195cf34-b69a-46c8-8ef6-f4d31429bae8 Dev2
1 2023-09-08 10:08:16.063
5 NULL 3723 1 NULL 2023-09-13 13:45:22.167 7cd54ecf-f29f-44cf-8e84-17a86151b3c2 Dev2
1 2023-09-13 13:45:22.167
6 NULL 3748 1 NULL 2023-09-13 17:20:07.890 db3197c3-5624-41bd-8655-916a5a1040f7 Dev2
1 2023-09-13 17:20:07.890
7 NULL 3746 1 NULL 2023-09-13 17:20:13.613 01b735a3-9bfb-4246-ae67-06d2177a76cd Dev2
1 2023-09-13 17:20:13.613
8 NULL 3773 1 NULL 2023-09-13 17:20:55.317 ec1fbb94-fc47-4fe0-84bf-a8cf292e6a04 Dev2
1 2023-09-13 17:20:55.317
9 NULL 3772 1 NULL 2023-09-13 17:21:01.337 2b61affc-0940-46dd-ad36-7122210208de Dev2
1 2023-09-13 17:21:01.337
10 NULL 3822 NULL 2023-09-13 17:21:14.643 585bea48-8fc4-4e8f-064a-347f72e0649f Dev2
```

ติดตั้ง MongoDB Image and Configuration

```
thanaphon_pa66@LAPTOP-OSE43R21:~/engse207-docker/docker-image$ 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
0072679c884c: Pull complete
0a9fc7c47cb6: Pull complete
5016af33ff0e: Pull complete
4f4fb700ef54: Pull complete
792dee6d1c5e: Pull complete
Digest: sha256:79b127bd52a990875d12d224f24f6d34d5437a36c3378249535244f7b9c5bd49
Status: Downloaded newer image for mongodb/mongodb-community-server:latest
docker.io/mongodb/mongodb-community-server:latest
thanaphon_pa66@LAPTOP-OSE43R21:~/engse207-docker/docker-image$ docker run --name mongodb -p 27017:27017 -d mongodb/mongodb-community-server:latest
e69d1c6031d82c7cb5b79da243fed6712a9f58583a05fdb742d552ad445005e3
e69d1c6031d82c7cb5b79da243fed6712a9f58583a05fdb742d552ad445005e3
thanaphon_pa66@LAPTOP-OSE43R21:~/engse207-docker/docker-image$ docker exec -it mongodb mongosh
Current Mongosh Log ID: 67120c1424802b3b2efe6910
Connecting to: mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+2.3.2
Using MongoDB: 7.0.14
Using Mongosh: 2.3.2
For mongosh info see: https://www.mongodb.com/docs/mongosh-shell/
To help improve our products, anonymous usage data is collected and sent to MongoDB periodically (https://www.mongodb.com/legal/privacy-policy).
You can opt-out by running the disableTelemetry() command.
The server generated these startup warnings when booting
2024-10-18T07:15:36.108+00:00: Using the XFS filesystem is strongly recommended with the WiredTiger storage engine. See http://dochub.mongodb.org/core/prodnotes-filesystem
2024-10-18T07:15:36.701+00:00: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
2024-10-18T07:15:36.701+00:00: /sys/kernel/mm/transparent_hugepage/enabled is 'always'. We suggest setting it to 'never' in this binary version
2024-10-18T07:15:36.701+00:00: vm.max_map_count is too low
test> show dbs
admin 40.00 KiB
config 60.00 KiB
local 40.00 KiB
```

Create Database

```
test> use wallboarddb
switched to db wallboarddb
wallboarddb> db.createUser({user: "wallboarduser",pwd: "WB1qazxsw2",roles: [ { role: "readWrite", db: "wallboarddb" } ]})
{ ok: 1 }
wallboarddb> show users
[
  {
    _id: 'wallboarddb.wallboarduser',
    userId: UUID('de2037d5-206e-45e5-bb1c-efd65943fdb1'),
    user: 'wallboarduser',
    db: 'wallboarddb',
    roles: [ { role: 'readWrite', db: 'wallboarddb' } ],
    mechanisms: [ 'SCRAM-SHA-1', 'SCRAM-SHA-256' ]
  }
]
```

show database list after created

```
wallboarddb> use admin
switched to db admin
admin> show dbs
admin    132.00 KiB
config   60.00 KiB
local    40.00 KiB
admin> use wallboarddb
```

create example collection (Table)

```
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('67120db224802b3b2efe6911')
}
```

Then select all records of "log"collection (Table) on wallboarddb

```
wallboarddb> db.log.find()
[
  {
    _id: ObjectId('67120db224802b3b2efe6911'),
    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  8.00 KiB
wallboarddb>
```

ติดตั้ง Nodejs Image and Configuration

```
thanaphon_pa66@LAPTOP-OSE43R21:~/engse207-docker/docker-image$ docker pull node:20
```

```
20: Pulling from library/node
7d98d813d54f: Pull complete
d0c5f3b3f727: Pull complete
8ba0b3d08b81: Pull complete
27bc85537ac7: Pull complete
5f57b3eca258: Pull complete
898ee3ab8d89: Pull complete
2c430d81b800: Pull complete
e07e01c8fd93: Pull complete
Digest: sha256:196a5fcd13db4362fb9c0ec5391db36ec954c65d6b0d0e5d37f59c7dc9920690
Status: Downloaded newer image for node:20
docker.io/library/node:20
```

```
thanaphon_pa66@LAPTOP-OSE43R21:~/engse207-docker/docker-image$ docker image ls
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
mongodb/mongodb-community-server	latest	1839812ea932	25 hours ago	1.2GB
node	20	69f1a5267bce	13 days ago	1.1GB
postgres	16	bc02d8216d73	3 weeks ago	432MB
mcr.microsoft.com/mssql/server	latest	b2761593c693	3 weeks ago	1.59GB
mcr.microsoft.com/mssql/server	2017-latest	837b47c7b5e8	3 weeks ago	1.33GB
nginx	1.25.4	c613f16b6642	8 months ago	187MB

```
thanaphon_pa66@LAPTOP-OSE43R21:~/engse207$ git clone https://github.com/se-rmutl/engse207.git
```

```
Cloning into 'engse207'...
remote: Enumerating objects: 715, done.
remote: Counting objects: 100% (54/54), done.
remote: Compressing objects: 100% (43/43), done.
remote: Total 715 (delta 15), reused 42 (delta 9), pack-reused 661 (from 1)
Receiving objects: 100% (715/715), 7.06 MiB | 1.50 MiB/s, done.
Resolving deltas: 100% (200/200), done.
```

```
thanaphon_pa66@LAPTOP-OSE43R21:~/engse207$ ls
```

```
docker engse207
```

```
thanaphon_pa66@LAPTOP-OSE43R21:~$ cd engse207
```

```
thanaphon_pa66@LAPTOP-OSE43R21:~/engse207$ cd engse207/
```

```
thanaphon_pa66@LAPTOP-OSE43R21:~/engse207/engse207$ ls
```

```
README.md microservices mvc_architecture n-tier_architecture
```

```
thanaphon_pa66@LAPTOP-OSE43R21:~/engse207/engse207$ cd n-tier_architecture/
```

```
thanaphon_pa66@LAPTOP-OSE43R21:~/engse207/engse207/n-tier_architecture$ ls
```

```
README.md backend frontend
```

```
thanaphon_pa66@LAPTOP-OSE43R21:~/engse207/engse207/n-tier_architecture$ cd backend/
```

```
thanaphon_pa66@LAPTOP-OSE43R21:~/engse207/engse207/n-tier_architecture/backend$ cd endpoint-api/
```

```
thanaphon_pa66@LAPTOP-OSE43R21:~/engse207/engse207/n-tier_architecture/backend/endpoint-api$
```

```
thanaphon_pa66@LAPTOP-OSE43R21:~/engse207/engse207/n-tier_architecture/backend/endpoint-api$ npm install
```

```
npm warn deprecated har-validator@5.1.5: this library is no longer supported
```

```
npm warn deprecated uuid@3.4.0: Please upgrade to version 7 or higher. Older versions may use Math.random() in certain circumstances, which is known to be problematic. See https://v8.de
```


Create table and insert data

connect database with azurdata

Connection Details

Connection type	Microsoft SQL Server
Input type	<input checked="" type="radio"/> Parameters <input type="radio"/> Connection String
Server *	host.docker.internal,1433
Authentication type	SQL Login
User name *	sa
Password	*****
	<input checked="" type="checkbox"/> Remember password
Database	<Default>
Encrypt ⓘ	Mandatory
Trust server certificate ⓘ	True
Server group	<Default>
Name (optional)	

Advanced...

insert table and data with scrip

```

Run Cancel Connect Change Database: Select Database Estimated Plan
Enable Actual Plan Parse Enable SQLCMD To Notebook

1 GO
2 /***** Object: Table [dbo].[didagent] Script Date: 29/6/2567 13:52:22 *****/
3 SET ANSI_NULLS ON
4 GO
5 SET QUOTED_IDENTIFIER ON
6 GO
7 CREATE TABLE [dbo].[didagent](
8     [didagent_id] [int] IDENTITY(1,1) NOT NULL,
9     [DIDQueueID] [int] NULL,
10    [agent_id] [int] NULL,
11    CONSTRAINT [PK_didagent] PRIMARY KEY CLUSTERED
12    (
13        [didagent_id] ASC
14    )WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS =
15    ) ON [PRIMARY]
16 GO
17 SET IDENTITY_INSERT [dbo].[didagent] ON
18
19 INSERT [dbo].[didagent] ([didagent_id], [DIDQueueID], [agent_id]) VALUES (8, 1, 14)
20 INSERT [dbo].[didagent] ([didagent_id], [DIDQueueID], [agent_id]) VALUES (10, 2, 11)
21 INSERT [dbo].[didagent] ([didagent_id], [DIDQueueID], [agent_id]) VALUES (11, 2, 12)
22 INSERT [dbo].[didagent] ([didagent_id], [DIDQueueID], [agent_id]) VALUES (20, 7, 180)
23 INSERT [dbo].[didagent] ([didagent_id], [DIDQueueID], [agent_id]) VALUES (21, 7, 181)
24 INSERT [dbo].[didagent] ([didagent_id], [DIDQueueID], [agent_id]) VALUES (22, 8, 182)
25 INSERT [dbo].[didagent] ([didagent_id], [DIDQueueID], [agent_id]) VALUES (23, 8, 183)
26 INSERT [dbo].[didagent] ([didagent_id], [DIDQueueID], [agent_id]) VALUES (25, 13, 19)
27 INSERT [dbo].[didagent] ([didagent_id], [DIDQueueID], [agent_id]) VALUES (26, 13, 21)
28 INSERT [dbo].[didagent] ([didagent_id], [DIDQueueID], [agent_id]) VALUES (27, 13, 22)
29 INSERT [dbo].[didagent] ([didagent_id], [DIDQueueID], [agent_id]) VALUES (28, 13, 24)
30 INSERT [dbo].[didagent] ([didagent_id], [DIDQueueID], [agent_id]) VALUES (29, 13, 25)
31 INSERT [dbo].[didagent] ([didagent_id], [DIDQueueID], [agent_id]) VALUES (32, 13, 30)
32 INSERT [dbo].[didagent] ([didagent_id], [DIDQueueID], [agent_id]) VALUES (33, 13, 31)
33 INSERT [dbo].[didagent] ([didagent_id], [DIDQueueID], [agent_id]) VALUES (34, 13, 33)
34 INSERT [dbo].[didagent] ([didagent_id], [DIDQueueID], [agent_id]) VALUES (35, 13, 34)
35 INSERT [dbo].[didagent] ([didagent_id], [DIDQueueID], [agent_id]) VALUES (36, 13, 36)
36 INSERT [dbo].[didagent] ([didagent_id], [DIDQueueID], [agent_id]) VALUES (37, 13, 37)
37 INSERT [dbo].[didagent] ([didagent_id], [DIDQueueID], [agent_id]) VALUES (38, 13, 39)
38 INSERT [dbo].[didagent] ([didagent_id], [DIDQueueID], [agent_id]) VALUES (39, 13, 40)

```

ไฟล์ทั้งหมด

Last week		
dbo.Wallboard.Table.sql	10/18/2024 1:59 PM	SQLFile
dbo.user_groups.Table.sql	10/18/2024 1:58 PM	SQLFile
dbo.tier_teams_lines.Table.sql	10/18/2024 1:58 PM	SQLFile
dbo.tier_teams.Table.sql	10/18/2024 1:58 PM	SQLFile
dbo.tier_lines.Table.sql	10/18/2024 1:57 PM	SQLFile
dbo.ReportLogs.Table.sql	10/18/2024 1:57 PM	SQLFile
dbo.Projects.Table.sql	10/18/2024 1:57 PM	SQLFile
dbo.PermissionUsers.Table.sql	10/18/2024 1:56 PM	SQLFile
dbo.DIDQueues.Table.sql	10/18/2024 1:56 PM	SQLFile
dbo.didagent.Table.sql	10/18/2024 1:55 PM	SQLFile
dbo.agent.Table.sql	10/18/2024 1:55 PM	SQLFile
dbo.OnlineAgents.Table.sql	10/18/2024 1:54 PM	SQLFile

>	System Databases	4
✓	team6_web_labDB	4
✓	Tables	4
>	dbo.agent	4
>	dbo.didagent	4
>	dbo.DIDQueues	4
>	dbo.Inventory	4
>	dbo.OnlineAgents	5
>	dbo.PermissionUsers	5
>	dbo.Projects	5
>	dbo.ReportLogs	5
>	dbo.tier_lines	5
>	dbo.tier_teams	5
>	dbo.tier_teams_lines	5
>	dbo.user_groups	6
>	dbo.Wallboard	6

Build endpoint-api to Docker compose
แก้ ip

```

1  var dbconfig = {
2      development: {
3          // อย่าลืมเปลี่ยน ip ดูให้ดีนะคะ
4          // server: '10.21.43.203',
5          server: 'host.docker.internal',
6          // server: '192.168.56.107',
7          database: 'team6_web_labDB',
8          user: 'sa',
9          password: 'P@ssw0rd',
10         port: 1433,
11         options: {
12             encrypt: true,
13             setTimeout: 12000,
14             enableArithAbort: true,
15             trustServerCertificate: true,
16             trustedconnection: false,
17             instancename: '172.24.229.163' // SQL Server instance name
18             // instancename: '192.168.56.107' // SQL Server instance name
19         }
20     },

```

create docker file

```
backend > endpoint-api > Dockerfile > ...
1  # ใช้ Node.js เป็น base image
2  FROM node:20
3
4  # ตั้งค่า working directory
5  WORKDIR /app
6
7  # คัดลอก package.json และ package-lock.json ไปยัง working directory
8  COPY package*.json ./
9
10 # คัดลอกไฟล์โปรเจกต์ทั้งหมดไปยัง working directory
11 COPY . .
12 COPY ./server.key /app
13
14 # เปิดพอร์ต 80
15 EXPOSE 8600 8601
16
17 # เริ่ม Nginx
18 CMD ["node", "webreport-api-https"]
```

#create image endpointapi

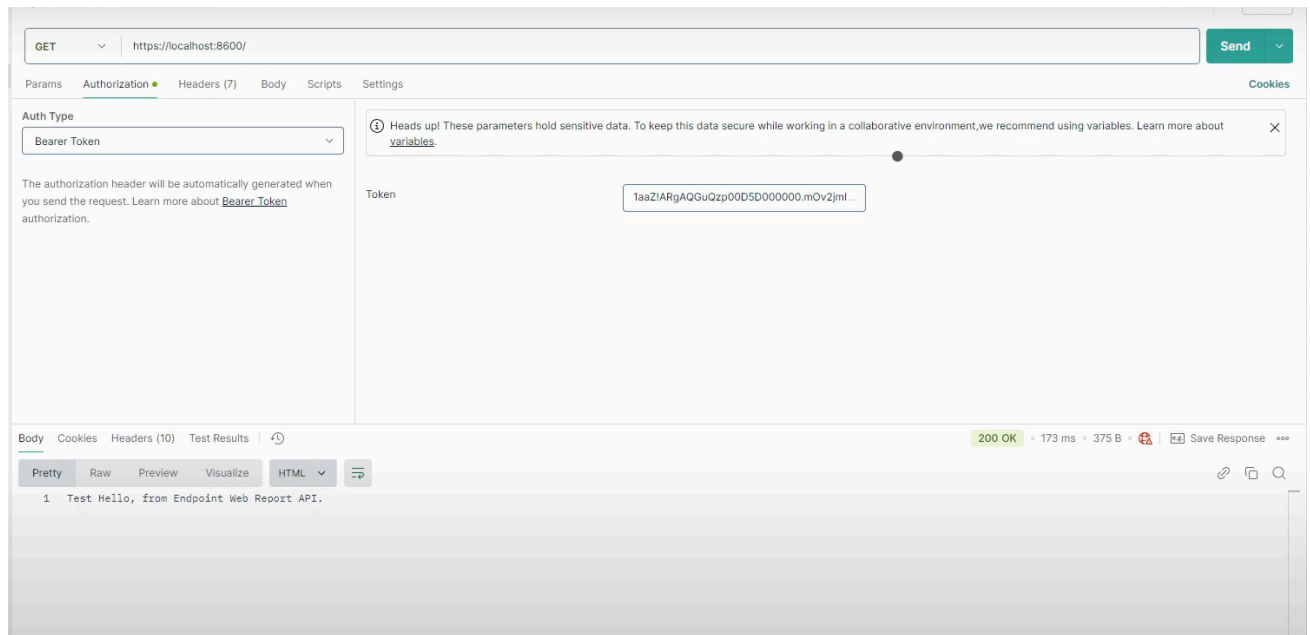
```
jrkh@JRKH:~/engse207-midterm/backend/endpoint-api$ docker build -t endpoint-api .
[+] Building 7.7s (8/10)
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 520B
=> [internal] load metadata for docker.io/library/node:20
=> [auth] library/node:pull token for registry-1.docker.io
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [internal] load build context
=> => transferring context: 708.13kB
=> [1/5] FROM docker.io/library/node:20@sha256:a5e0ed56f2c20b9689e0f7dd498cac7e08d2a3a283e92d9304e7b9b83e3c6ff3
=> => resolve docker.io/library/node:20@sha256:a5e0ed56f2c20b9689e0f7dd498cac7e08d2a3a283e92d9304e7b9b83e3c6ff3
=> CACHED [2/5] WORKDIR /app
=> CACHED [3/5] COPY package*.json ./
```

run to Docker compose with port

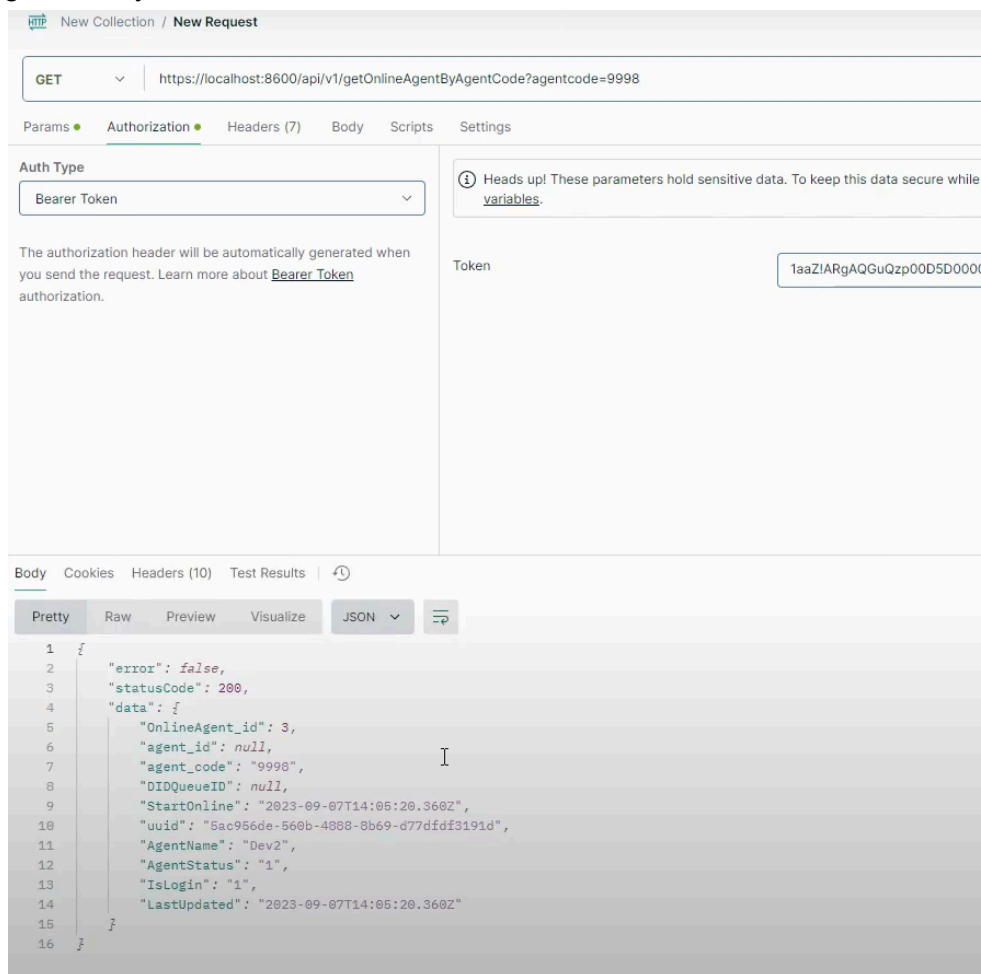
```
jrkh@JRKH:~/engse207-midterm/backend/endpoint-api$ docker run -p 8600:8600 -p 8601:8601 endpoint-api
```

	 distracted_satoshi 42c8ffad1d495	endpoint-api: none	Running	8600:8600 8601:8601 Show less	0% 20 seconds ago
---	---	------------------------------------	---------	---	-------------------

ทดสอบกับ postman



get user by id









Build Parse-server to Docker compose change ip

```
const config = {
  // databaseURI: 'mongodb://wallboarduser:WB1qazxsw2@192.168.56.112:27017/wallboarddb',
  databaseURI: 'mongodb://wallboarduser:WB1qazxsw2@host.docker.internal: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. Keep it secret!
  clientKey: 'wallboardapi',
  javascriptKey: 'wallboardapi',
  serverURL: 'https://localhost:' + apiport + '/api', // Don't forget to change to https if needed
  publicServerURL: 'https://localhost:' + apiport + '/api',
  // serverURL: 'https://192.168.1.100:' + apiport + '/api', // Don't forget to change to https if needed
  // publicServerURL: 'https://192.168.1.100:' + apiport + '/api',
  liveQuery: {
    classNames: ['OnlineAgentLists', 'WallboardBanners', 'CallAgentSummaries'], // List of classes to support for query subscriptions
  },
};
```

create docker file

```
backend > parse-server-api > Dockerfile > ...
1  # ใช้ Node.js เป็น base image
2  FROM node:20
3
4  # ตั้งค่า working directory
5  WORKDIR /app
6
7  # คัดลอก package.json และ package-lock.json
8  COPY package*.json ./
9
10 # คัดลอกไฟล์โปรเจกต์ทั้งหมดไปยัง working directory
11 COPY . .
12 COPY ./server.key ./server.crt ./
13
14 EXPOSE 8605 8606
15
16 # เริ่ม Nginx
17 CMD ["node", "api-wallboard-https"]
```








run to Docker compose with port


	 angry_easley d01168512d1f 	parse-server-api<none>	Running	8605:8605 C Show all ports (2)	0.51% · 1 second ago	  
—	—	monodb				

build coreui-free-react to docker container

```
jkjh@JKKH:~/engse207-midterm/frontend/coreui-free-react-admin-template$ docker build -t coreui-free-react-admin-template .
[+] Building 157.4s (15/15) FINISHED
=> [Internal] load build definition from Dockerfile
=> => transferring dockerfile: 915B
=> [Internal] load metadata for docker.io/library/node:20
=> [Internal] load metadata for docker.io/library/nginx:alpine
=> [auth] library/nginx:pull token for registry-1.docker.io
=> [Internal] load .dockerignore
=> => transferring context: 2B
=> [stage-0 1/6] FROM docker.io/library/node:20@sha256:d7c25dbb3da3f8d9998973789e3c1eb9f8c68a55ef5adfa02aa96f4ee49f6e1
=> => resolve docker.io/library/node:20@sha256:d7c25dbb3da3f8d9998973789e3c1eb9f8c68a55ef5adfa02aa96f4ee49f6e1
=> [stage-1 1/2] FROM docker.io/library/nginx:alpine@sha256:2140dad235c138ac861018a4e13a6bc8aea3a35f3a40e20c1b060d51a7efd259
=> => resolve docker.io/library/nginx:alpine@sha256:2140dad235c138ac861018a4e13a6bc8aea3a35f3a40e20c1b060d51a7efd259
=> => sha256:fd072e74e282316f9f012356adfe3d9704535b03de600ab0cf4c5379fc4d6 404B / 404B
=> => sha256:472934715761932c17e08819e5a424f4a1a527413ac60952d4c72697d7a02f0b 15.10MB / 15.10MB
=> => sha256:379754ee0a7cab18b781ab577b2668c2a5a6e0181c9712cfb904871a7e71a8e 1.21kB / 1.21kB
=> => sha256:f99ae90a131d45f9b3ab78f0a993ef9d6220253c562afbcfa51c404707c 957B / 957B
=> => sha256:45eb579d59b22c5e0959361f49fbeeab137c526f597666eb2cfa7c91c5779349 1.48kB / 1.48kB
=> => sha256:596d53a7de8832c0963cd374bf19a0a1ca2284c80329e1a1462c4f51035ae0c8 629B / 629B
=> => sha256:d1171b13e41264c85467ed40468d24ab5e9d63c34730790c779da2444e6bc3ca 1.79MB / 1.79MB
=> => extracting sha256:d1171b13e41264c85467ed40468d24ab5e9d63c34730790c779da2444e6bc3ca
=> => extracting sha256:596d53a7de8832c0963cd374bf19a0a1ca2284c80329e1a1462c4f51035ae0c8
=> => extracting sha256:f99ae90a131d45f9b3ab78f0a993ef9d6220253c562afbcfa51c404707c
=> => extracting sha256:fd072e74e282316f9f012356adfe3d9704535b03de600ab0cf4c5379fc4d6
=> => extracting sha256:379754ee0a7cab18b781ab577b2668c2a5a6e0181c9712cfb904871a7e71a8e
=> => extracting sha256:45eb579d59b22c5e0959361f49fbeeab137c526f597666eb2cfa7c91c5779349
=> => extracting sha256:472934715761932c17e08819e5a424f4a1a527413ac60952d4c72697d7a02f0b
=> [Internal] load build context
=> => transferring context: 9.72MB
=> CACHED [stage-0 2/6] WORKDIR /app
=> CACHED [stage-0 3/6] COPY package*.json ./
=> CACHED [stage-0 4/6] RUN npm install --legacy-peer-deps
=> [stage-0 5/6] COPY . .
=> [stage-0 6/6] RUN npm run build
=> [stage-1 2/2] COPY --from=0 /app/build /usr/share/nginx/html
=> => exporting to image
=> => exporting layers
=> => exporting manifest sha256:1667cefaa4d8c68f8692e223a2e6feb5a869b182d3cd7e0a0d657e2b83d4ce7
=> => exporting config sha256:1185ed6c40870bc0b92546cd7e0eff1437d28c9d5c2f74705b131e3a17e8be03
=> => exporting attestation manifest sha256:2a336ce499d8799336bf07b713f02ce8776b7795f187eeacbd6b8230bd52c
=> => exporting manifest list sha256:a9f9da9cf1f2e5f2b3b6883a72f7f6e0e64643817730f62750fb4d4fb22ae1b
=> => naming to docker.io/library/coreui-free-react-admin-template:latest
=> => unpadding to docker.io/library/coreui-free-react-admin-template:latest
```

```
jkjh@JKKH:~/engse207-midterm/frontend/coreui-free-react-admin-template$ docker container run -d -p 1626:80 coreui-free-react-admin-template
23cc077afe2c20b847c4730169848bedb5263854c742cee6d98883ac69c6da69
```

	 awesome_jackson 91c277e59784 	coreui-free-react-admin-template:<none>	Running	1626.80 	0%	5 hours ago	  
---	--	---	---------	---	----	-------------	---

 COREUI REACTJS

Dashboard Users Settings

Wallboard **MIDTERM**

Dashboard **NEW**

THEME

Colors

Typography

COMPONENTS

Base

Buttons

Forms

Charts

Icons


Notifications

Widgets **NEW**

EXTRAS

Pages

Docs

 **STATUS**

21:53

21/10/2024

CALL QUEUE

ALL

Offer Call

Abandon Call

Agents

Total Queue

Available Agent

































Active Agent

Wrap Agent

Not Ready Agent

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Powered by CoreUI React Admin & Dashboard Template

	 angry_easley d0f1e8512d2f 	parse-server-api:<none>	Running	8605.8605 	0.51%	1 second ago	  
	 mongodb 35e0d84c414 	mongodb/mongodb-community-server:latest	Running	27017.27017 	1.23%	48 minutes ago	  
	 distracted_satoshi 42c8ff1d495 	endpoint-api:<none>	Running	8600.8600 	0%	4 hours ago	  
	 awesome_jackson 91c277e59784 	coreui-free-react-admin-template:<none>	Running	1626.80 	0%	5 hours ago	  
	 mssql2017 d3b1a246d716 	mssql/server:2017-latest	Running	1433.1433 	4.55%	5 hours ago	