

## Deploy MSSQL 2017 and Restore the DB backup

### Step 1: Pull SQL image from online repo

```
[root@gcxi2 ~]# docker pull mcr.microsoft.com/mssql/server:2017-latest
2017-latest: Pulling from mssql/server
85b353ff0ac5: Pull complete
a561de296022: Pull complete
274645b68430: Pull complete
Digest: sha256:ca2d56561e6cc50b175d97aeffc0efe33d661719ab94b826684b3ac5bff41d58
Status: Downloaded newer image for mcr.microsoft.com/mssql/server:2017-latest
mcr.microsoft.com/mssql/server:2017-latest
```

### Step 2: Create docker-compose .yaml file and update the values as follows

```
[root@gcxi2 ~]# vi docker-compose.yml
[root@gcxi2 ~]# cat docker-compose.yml
version: "3.8"
services:

  sql-server-db:
    container_name: sql-server-db
    image: mcr.microsoft.com/mssql/server:2017-latest
    ports:
      - "1433:1433"
    environment:
      SA_PASSWORD: "Password@123"
      ACCEPT_EULA: "Y"
      MSSQL_PID: "Developer"
```

### Step 3: Start the MSSQL container

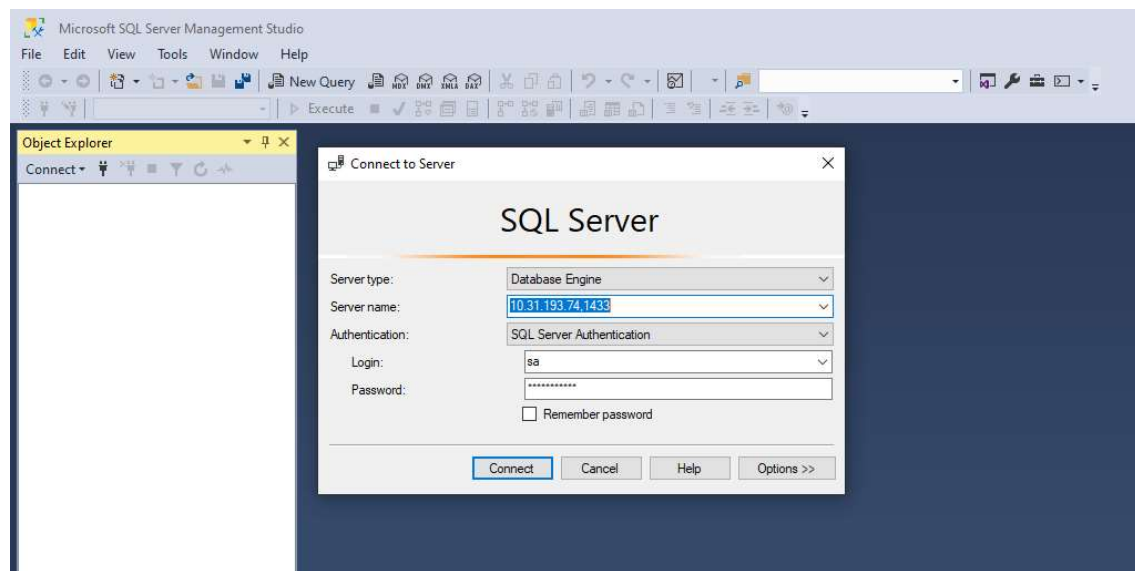
```
[root@gcxi2 ~]# docker-compose -f docker-compose.yml up -d
Creating network "root_default" with the default driver
Creating sql-server-db ... done
```

### Step 4: Copy .bak file from host server to container

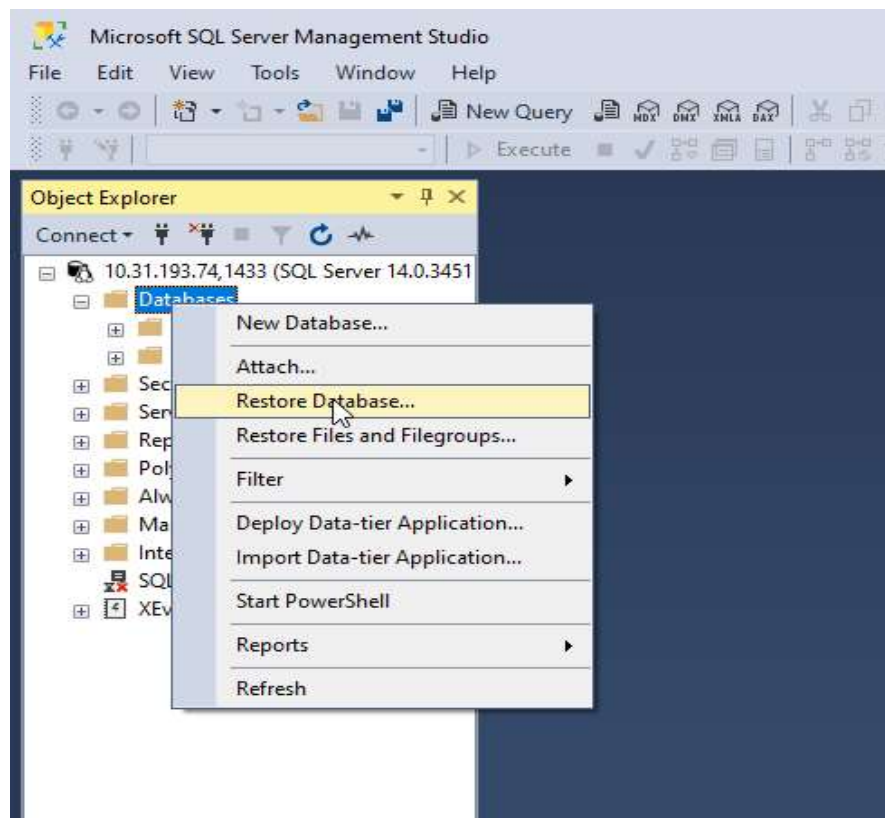
```
[root@gcxi2 ~]# docker ps
CONTAINER ID   IMAGE                                COMMAND                  CREATED        STATUS
PORTS         NAMES
c7aeb585cef3   mcr.microsoft.com/mssql/server:2017-latest  "/opt/mssql/bin/nonr..."  19 minutes ago   Up 19 minutes   0.0.0.0:1433->1433/tcp, :::1433->1433/tcp   sql-server-db

[root@gcxi2 ~]# docker cp /genesys/GIM_MSSQL.bak c7aeb585cef3:/tmp
```

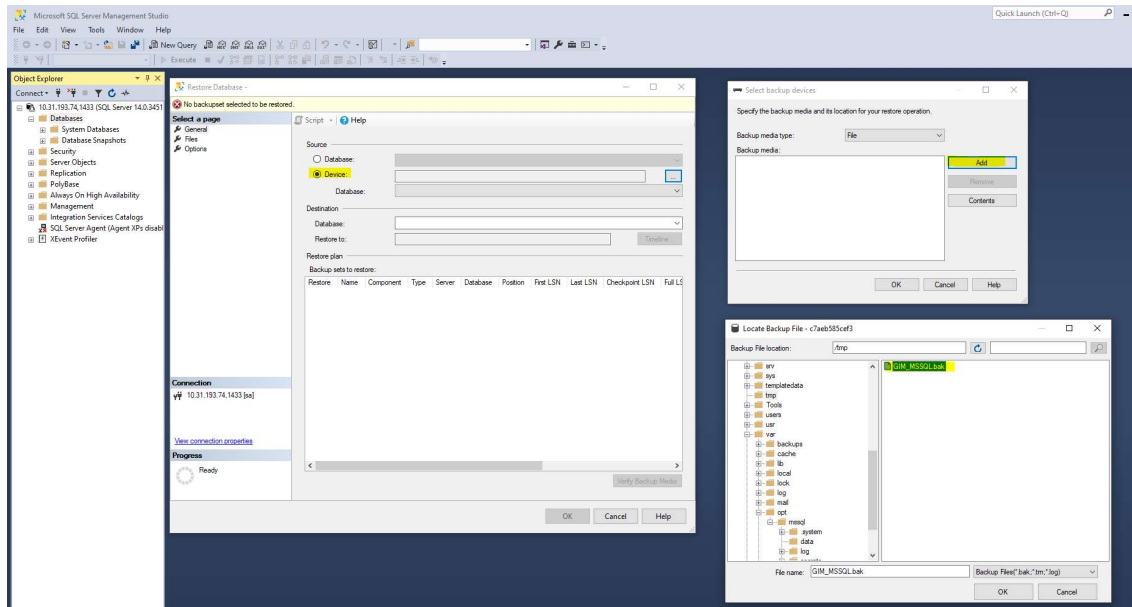
Step 5: Login MSSQL Studio using host server ip, port and credentials



Step 6: Right click the database and select restore



Step7: To restore the back file select following options = Device -> Add -> Choose .bak file the OK.



Step8: Click OK then it will restore your back up file.

