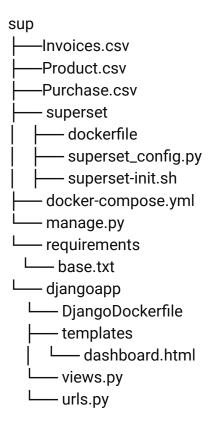
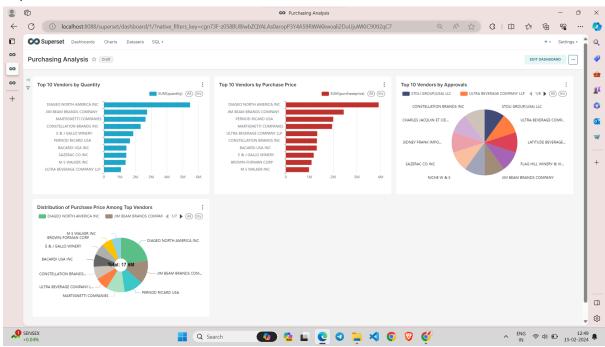
Directory

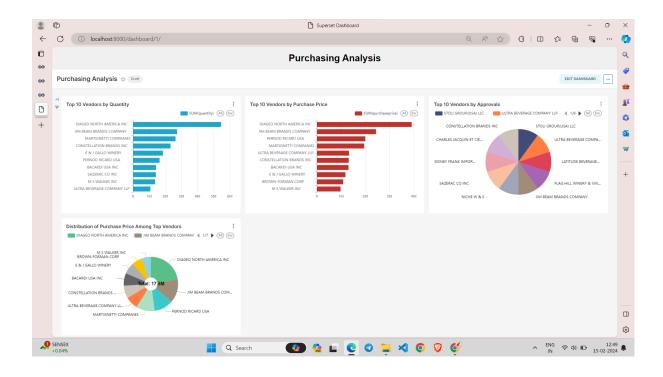


OUTPUT

Superset



Django app



CODE WAY

```
| Container postgres. Dural complete | Created | Container postgres. Dural complete | Container superset. Container: /tmp/InvoicePurchases.csv successfully copied SoisM8 to postgres. Container: /tmp/InvoicePurchases.csv successfully copied SoisM8 to postgres. Container: /tmp/InvoicePurchases. Csv successfully copied SoisM8 to postgres. Container: /tmp/InvoicePurchases. Csv successfully copied SoisM8 to postgres. Container: /tmp/InvoicePurchases. Csv successfully copied SoisM8 to postgres. Container superset. Cont
```

Name	Owner	Encoding	Locale Provider	List of da [.] Collate	Ctype	ICU Locale	ICU Rules	Access privileges
 nydb	+ postgres	+ UTF8	+ libc	+	+ en_US.utf8	+ I	·	+ I
postgres	postgres postgres		libc	en_US.utf8				
template0		UTF8	libc	en_US.utf8				 =c/postgres +
cemptateo	l boscares	U1F8 	1100	en_03.ucro 	en_03.ucro			postgres=CTc/postgres
template1	 postgres	I UTF8	 libc	 en_US.utf8	 en_US.utf8			postgres=crc/postgres =c/postgres +
emptater	postgres	0170	i tibe	en_03.ucro	en_03.ucro			postgres=CTc/postgres
rows)	'	'	'	'	'	'		postgres-c/c/postgres
Invoice	ame VARCHAR Date DATE, r VARCHAR(50							
Invoice PONumbe PODate PayDate Quantit Dollars Freight	Date DATE, r VARCHAR(50 DATE, DATE, y INTEGER, NUMERIC, NUMERIC, L VARCHAR(50	9),						

docker-compose exec superset pip install google-cloud-bigguery

docker cp Product.csv postgres_container:/tmp/Product.csv docker cp Invoice.csv postgres_container:/tmp/Invoice.csv docker cp Purchase.csv postgres_container:/tmp/Purchase.csv

docker exec -it postgres_container bash psql -U postgres
\c mydb
CREATE TABLE products (
Brand VARCHAR(255),
Description VARCHAR(255),

```
Price NUMERIC,
  Size VARCHAR(50),
  Volume VARCHAR(50),
  Classification VARCHAR(255),
  PurchasePrice NUMERIC,
  VendorNumber VARCHAR(50),
  VendorName VARCHAR(255)
);
\copy products FROM '/tmp/Product.csv' DELIMITER ',' CSV HEADER;
CREATE TABLE invoices (
  VendorNumber VARCHAR(50),
  VendorName VARCHAR(255),
  InvoiceDate DATE,
  PONumber VARCHAR(50),
  PODate DATE,
  PayDate DATE,
  Quantity INTEGER,
  Dollars NUMERIC,
  Freight NUMERIC,
 Approval VARCHAR(50)
);
\copy invoices FROM '/tmp/Invoice.csv' DELIMITER ',' CSV HEADER;
CREATE TABLE purchase (
  Inventoryld VARCHAR(255),
  Store VARCHAR(255),
  Brand VARCHAR(255),
  Description VARCHAR(255),
  Size VARCHAR(50),
  VendorNumber VARCHAR(50),
  VendorName VARCHAR(255),
  PONumber VARCHAR(50),
  PODate DATE,
  ReceivingDate DATE,
  InvoiceDate DATE,
  PayDate DATE,
  PurchasePrice DECIMAL(10, 2),
  Quantity INT,
  Dollars DECIMAL(10, 2),
  Classification VARCHAR(50)
```

); \copy purchase FROM '/tmp/Purchase.csv' DELIMITER ',' CSV HEADER;

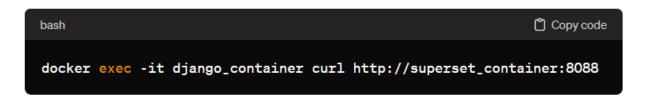
Check for network

docker inspect -f '{{range .NetworkSettings.Networks}}{{.IPAddress}}{{end}}' containername

docker inspect -f '{{range .IPAM.Config}}{{.Subnet}}}{end}}' networkname

```
CONTAINER ID
                              COMMAND
                                                        CREATED
                                                                        STATUS
                                                                                                                          МΔ
9ec2dca91401
               sup-django
                               "python3 manage.py r..."
                                                        2 hours ago
                                                                        Up 2 hours
                                                                                                0.0.0.0:8000->8000/tcp
                                                                                                                          dј
ango_container
1d31d8affce6
              sup-superset "/superset-init.sh"
                                                                       Up 3 hours (healthy) 0.0.0.0:8088->8088/tcp
                                                        17 hours ago
perset_container
                               "docker-entrypoint.s..." 17 hours ago Up 3 hours
lfc66ec6ee0b postgres_container
                                                                                                0.0.0.0:5432->5432/tcp
               postgres
          :~/sup$ docker network ls
NETWORK ID
               NAME
                              DRIVER
                                        SCOPE
d92bac320c82
               bridge
                              bridge
                                        local
c54f366dc856
                              host
c70302b58502
             none null
sup_default bridge
                                        local
9985b9abcdd9
                                        local
      AROL:~/sup$ docker inspect -f '{{range .IPAM.Config}}{{.Subnet}}{{end}}' sup_default
192.168.0.0/20
             sup$ docker inspect -f '{{range .IPAM.Config}}{{.Subnet}}{{end}}' sup_default
192.168.0.0/20
       AROL:~/sup$ docker inspect -f '{{range .IPAM.Config}}{{.Subnet}}{{end}}' bridge
 rchi@AROL:~/sup$ docker inspect -f '{{range .IPAM.Config}}{{.Subnet}}{{end}}' host
 rchi@AROL:~/sup$ docker inspect -f '{{range .IPAM.Config}}{{.Subnet}}{{end}}' none
 rchi@AROL:~/sup$ docker inspect -f '{{range .NetworkSettings.Networks}}{{.IPAddress}}{{end}}' superset_container
       ROL:~/sup$ docker inspect -f '{{range .NetworkSettings.Networks}}{{.IPAddress}}{{end}}' django_container
192.168.0.4
```

Test Superset's availability: Verify that Superset is accessible from other containers within the Docker network by attempting to access it using tools like `curl` or `requests`.



Replace `django_container` with the name of your Django container and
`superset_container` with the name of your Superset container. This command will
attempt to fetch the Superset homepage from the Django container. If successful, it
indicates that Superset is accessible and responding to requests from other
containers.

 $\overline{}$

These commands will display the current firewall rules configured on your system, including any rules that may be blocking or allowing traffic on specific ports. Look for any rules related to port `8088` (or whichever port Superset is configured to listen on) and ensure that there are no rules blocking traffic to that port.

If you're using a firewall within the Docker network, you may need to inspect the firewall configuration within the Docker network itself. By default, Docker uses Linux iptables rules for network traffic management.

You can inspect Docker's iptables rules using the following command:



This command will display the current NAT (Network Address Translation) rules configured by Docker, including any rules related to port forwarding or traffic redirection.

docker inspect -f '{{ .Config.Hostname }}' django_container

```
archi@AROL:~/sup$ docker exec -it django_container curl http://superset_container:8088
<!doctype html>
<html lang=en>
<title>Redirecting...</hl>
<html lang=en>
<title>Redirecting...</hl>
You should be redirected automatically to the target URL: <a href="/superset/welcome/">/superset/welcome/</a>
a. If not, click the link.
archi@AROL:~/sup$ sudo iptables -L
[sudo] password for archi:
Chain INPUT (policy ACCEPT)
target prot opt source destination

Chain FORWARD (policy ACCEPT)
target prot opt source destination

Chain OUTPUT (policy ACCEPT)
target prot opt source destination
```

You

how to hostname of my djnagocontianer

ChatGPT

To find the hostname of your Django container, you can use the `docker inspect` command. Here's how you can do it:

```
bash

docker inspect -f '{{ .Config.Hostname }}' django_container
```

Replace `django_container` with the name of your Django container. This command will output the hostname of the container.

EERORS: tried running superset and django container in sup and removing
postgres image from docker compose file and creating postgres externally
which caused diff network problem, tried connecting with creating custom
network for docker but not worked,,,,, here is the way i did initially

```
archighROL."/sup$ docker run --name postgres_container -e POSTGRES_USER=postgres -e POSTGRES_PASSWORD=superset -e POSTGRES_DB=mydb -p 5432:5432 -d postgres Unable to find image 'postgres:latest' locally latest: Pulling from library/postgres c57ee5000d61: Already exists 818575116500: Pull complete e12Fff61d996: Pull complete e12Fff61d996: Pull complete e12Fff61d996: Pull complete e12Fff61d996: Pull complete e13F5bc1ba66b: Pull complete e15F5bc160bc19 pull complete e15F5bc160bc19 pull complete e15F5bc160bc19 pull complete e22F671c3d: Pull complete e24F671c3d: Pull complete e34F6bc18c3d: Pull complete e3591216828b: Pull complete e3591216828b: Pull complete e3591216828b: Pull complete e3591216828b: Pull complete e359126928b: Pull complete e359126928b: Pull complete e359126928b: Pull complete e359126928b: Pull complete e35916928b: Pull complete e35916928b: Pull complete e359169280: Pull complet
```

archi@AROL:~/sup\$ docker cp InvoicePurchases.csv postgres_container:/tmp/InvoicePurchases.csv
Successfully copied 593kB to postgres_container:/tmp/InvoicePurchases.csv

```
archi@AROL:~/sup$ docker exec -it postgres_container bash
root@bd6e1c24156d:/# \l
bash: l: command not found
root@bd6e1c24156d:/# psql -U mydb
nsgl: erer: canceties
 rootebaoerc241500:7# psqt =0 mydd
osql: error: connection to server on socket "/var/run/postgresql/.s.PGSQL.5432" failed: FATAL: role "mydb" does not exist
root@bd6e1c241566i:/# psqt -U postgres
osql (16.1 (Debian 16.1-1.pgdg120+1))
Type "help" for help.
 oostgres=# \l
                                                                                         List of databases
                                    | Encoding | Locale Provider |
                                                                                                                                | ICU Locale | ICU Rules |
    Name
                  Owner
                                                                                         Collate
                                                                                                               Ctype
                                                                                                                                                                               Access privileges
                                                                                        en_US.utf8 |
en_US.utf8 |
                                                                                                             en_US.utf8
en_US.utf8
                                                          libc
 template0
                     postgres
                                                                                                                                                                            =c/postgres
postgres=CTc/postgres
=c/postgres
postgres=CTc/postgres
                                       UTF8
                                                          libc
                                                                                        en_US.utf8
                                                                                                             en_US.utf8
 template1
                     postgres
                                       UTF8
                                                                                        en_US.utf8
                                                                                                             en_US.utf8
 (4 rows)
```

```
postgres=# COPY invoices FROM '/tmp/InvoicePurchases.csv' DELIMITER ',' CSV HEADER;
COPY 5543
postgres=# SELECT * FROM invoices;
[1]+ Stopped
                              psql -U postgres
root@bd6e1c24156d:/# psql -U postgres
psql (16.1 (Debian 16.1-1.pgdg120+1))
Type "help" for help.
postgres=# SELECT EXISTS (
   SELECT 1
   FROM pg_tables
   WHERE schemaname = 'public'
   AND tablename = 'invoices'
exists
t
(1 row)
```

For this superset error

```
2024-02-07 19:38:26 Loaded your LOCAL configuration at [/app/superset_config.py]
                                                                                                                                                                                                                                                                      Q
2024-02-07 19:38:36 Loaded your LOCAL configuration at [/app/superset_config.py]
2024-02-07 19:38:46 Loaded your LOCAL configuration at [/app/superset_config.py]
2024-02-07 19:38:57 Loaded your LOCAL configuration at [/app/superset_config.py]
                                                                                                                                                                                                                                                                      2024-02-07 19:39:07 Loaded your LOCAL configuration at [/pp/superset_config.py]
2024-02-07 19:38:26 2024-02-07 14:08:26,485:ERROR:flask_appbuilder.security.sqla.manager:DB Creation and initialization failed: (psycopg2.OperationalError) could not tran
slate host name "postgres" to address: Temporary failure in name resolution
2024-02-07 19:38:26
2024-02-07 19:38:26 (Background on this error at: https://sqlalche.me/e/14/e3q8)
2024-02-07 19:38:26 [2024-02-07 14:08:26 +0000] [563] [INFO] Worker exiting (pid: 563) 2024-02-07 19:38:26 [2024-02-07 14:08:26 +0000] [70] [ERROR] Worker (pid:563) exited with code 1 2024-02-07 19:38:26 [2024-02-07 14:08:26 +0000] [70] [ERROR] Worker (pid:563) exited with code 1.
2024-02-07 19:38:26 [2024-02-07 14:08:26 +0000] [581] [INFO] Booting worker with pid: 581 2024-02-07 19:38:28 logging was configured successfully
2024-02-07 19:38:28 2024-02-07 14:08:28,649:INFO:superset.uttls.logging_configurator:logging was configured successfully 2024-02-07 19:38:28 2024-02-07 14:08:28,654:INFO:root:Configured event logger of type <class 'superset.uttls.log.DBEventlogger'>
2024-02-07 19:38:28 /usr/local/lib/python3.9/site-packages/flask limiter/extension.py:293: UserWarning: Using the in-memory storage for tracking rate limits as no storage
  was explicitly specified. This is not recommended for production use. See: https://flask-limiter.readthedocs.io#configuring-a-storage-backend for documentation about con
figuring the storage backend.
2024-02-07 19:38:28 warnings.warn(
2024-02-07 19:38:36 2024-02-07 14:08:36,687:ERROR:flask_appbuilder.security.sqla.manager:DB Creation and initialization failed: (psycopg2.OperationalError) could not tran
slate host name "postgres" to address: Temporary failure in name resolution
2024-02-07 19:38:36
2024-02-07 19:38:36 (Background on this error at: https://sqlalche.me/e/14/e3q8)
2024-02-07 19:38:36 [2024-02-07 14:08:36 +0000] [581] [IMFO] Worker exiting (pid: 581) 2024-02-07 19:38:36 [2024-02-07 14:08:36 +0000] [70] [ERROR] Worker (pid:581) exited with code 1 2024-02-07 19:38:36 [2024-02-07 14:08:36 +0000] [70] [ERROR] Worker (pid:581) exited with code 1.
2024-02-07 19:38:36 [2024-02-07 14:08:36 +0000] [599] [INFO] Booting worker with pid: 599 2024-02-07 19:38:38 logging was configured successfully
```

The error message you're encountering indicates that Superset is unable to resolve the hostname "postgres" to an IP address. This typically happens when the container running Superset is unable to communicate with the PostgreSQL container using the hostname provided.

Use the IP address of the PostgreSQL container: Instead of using the hostname "postgres" to connect to the PostgreSQL container, you can use the IP address of the container. First, find out the IP address of the PostgreSQL container by running:

archi@AROL:~/sup\$ docker inspect -f '{{range .NetworkSettings.Networks}}{{.IPAddress}}{{end}}' postgres_container
172.17.0.2

archi@AROL:~/sup\$ docker inspect -f '{{range .NetworkSettings.Networks}}{{.IPAddress}}{{end}}' superset_container
192.168.96.2

Both of my container are working in diff docker network

If your containers are running in different Docker networks and you want to connect them to the same network, you have a couple of options:

. Create a New Docker Network and Connect Both Containers:

You can create a new Docker network and connect both the Superset and PostgreSQL containers to that network. Here's how:



After connecting both containers to the same network, they will be able to communicate with each other using their container names or service names within the network.

. Use Docker Compose:

```
yaml

version: '3'

services:
    superset:
    image: superset_image
    networks:
        - my_network

postgres:
    image: postgres_image
    networks:
        - my_network

networks:
        - my_network

networks:
        driver: bridge
```

Error similar to

```
ConnectionError at /dashboard/1/

HTTPConnectionPool((nost="localhost", port=8088): Max retries exceeded with url: /api/v1/security/login (Caused by NewConnectionError('<urlilib3.connection.HTTPConnection object at 0x7 establish a new connection: [Errno 111] Connection refused'))

Request Method: GET
Request URL: http://ocalhost.8000/dashboard/1/
Django Version: 2 0.6
Exception Value: http://ocalhost.8000/dashboard/1/
Django Version: 3 0.6
Exception Value: http://ocalhost.port-8080): Max retries exceeded with wrl: /api/v1/security/login (Caused by NewConnectionError('curlilib3.connection.HTTPConnection object at 0x7feedi4a6080): Failed to establish a new connection: [Errno 111] Connection: Assistacillohipythonal sylide-packages/requests/adaglers.py in send, line 519
Python Pate: ("/api/violacil/lib/pythonal/sile-packages/requests/adaglers.py in send, line 519
Python Pate: ("/api/violacil/lib/pythonal/sile-packages/requests/adaglers.py in send, line 519
Python Pate: ("/api/violacil/lib/pythonal/sile-packages/reguests/adaglers.py in send, line 519
Python Pate: ("/api/violacil/lib/pythonal/sile-packages/reguests/reguests/reguests/reguests/reguests/reguests/reguests/reguests/r
```

Using container name instead of localhost as django itself takes the localhost wher we don't have any port 8088 so use superset_container in place of localhost in views.py