Установка образа SuperSet

sudo docker pull apache/superset

```
rsolanov@Main:~$ sudo docker pull apache/superset
[sudo] password for rsolanov:
Using default tag: latest
latest: Pulling from apache/superset
fa911571db18: Download complete
5862c84e1a84: Download complete
038060471cd4: Download complete
59846b9a3e38: Download complete
85f3c3bf960e: Download complete
Oeebf436771f: Download complete
2d429b9e73a6: Download complete
96db55eefd49: Download complete
569062951d93: Download complete
22370d9525db: Download complete
afe8284d6858: Download complete
a8b392447c92: Download complete
df6aea6891df: Download complete
08a9cc494c01: Download complete
7626108c66a9: Download complete
d447e55d51db: Download complete
b6562208960a: Download complete
Digest: sha256:1d1fdaaeb19ce9cdba71620ee1cc6117d73813b2f3b422ce5a1bf752c247b7c0
Status: Downloaded newer image for apache/superset:latest
docker.io/apache/superset:latest
Image (Docker Desktop):
```

• Установка ключа

apache/superset

openssl rand -base64 42

rsolanov@Main:~\$ openssl rand -base64 42 CpN0/aEvMaU5He2IYUa13MvNS1C2W0fKeSuOo6+kiRnGBHoELhO1RXwc

CpN0/aEvMaU5He2IYUa13MvNS1C2W0fKeSuOo6+kiRnGBHoELhO1RXwc

• Запуск докер-контейнера sudo docker run -d -p 8080:8088 -e "SUPERSET_SECRET_KEY= CpN0/aEvMaU5He2IYUa13MvNS1C2W0fKeSuOo6+kiRnGBHoELhO1RXwc" --name superset apache/superset

2 months ago

1.33 GB D

1d1fdaaeb19c

rsolanov@Main:~\$ sudo docker run -d -p 8080:8088 -e "SUPERSET_SECRET_KEY= CpN0/aEvMaU5He2IYUa13MvNS1C2W0fKeSuOo6+kiRnGBH oELhO1RXwc" --name superset apache/superset aea83333a482685d66300ff2ab9c79e2c8d94250a718aaf5f0c4eb645775521e

aea83333a482685d66300ff2ab9c79e2c8d94250a718aaf5f0c4eb645775521e

• Проверка что контейнер запущен

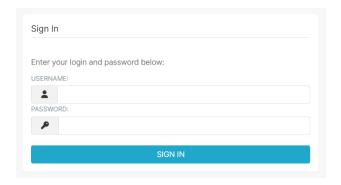
Docker Desktop (Container)

□ • superset aea83333a482 apache/superset 8080:8088 € 0.02% 57 seconds ago

CLI Ubuntu (Container)

rsolanov@Main:~\$ docker ps							
	CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
	aea83333a482	apache/superset	"/usr/bin/run-server…"	2 minutes ago	Up 2 minutes (healthy)	0.0.0.0:8080->8088/tcp	superset

 Проверка работы сервиса http://localhost:8080/login/

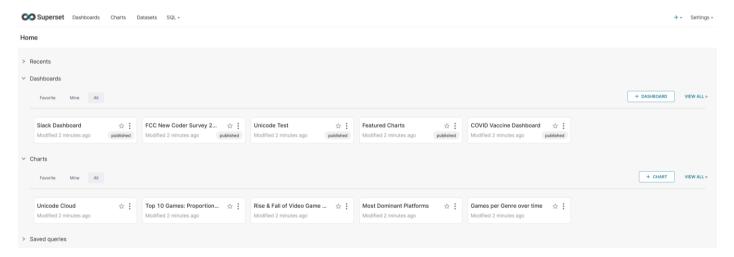


• Инициализация сервиса

sudo docker exec -it superset superset db upgrade sudo docker exec -it superset superset load_examples sudo docker exec -it superset superset init

• Проверка работы сервиса

http://localhost:8080/superset/welcome/



• Настройка подключения к ClickHouse

sudo docker exec -it aea83333a482 /bin/bash
pip install clickhouse-connect
exit

• Перезапуск контейнера

sudo docker restart aea83333a482

```
rsolanov@Main:~$ sudo docker restart aea83333a482
aea83333a482
```

Проверка работы ClickHouse

```
rsolanov@Main:-$ clickhouse-client
ClickHouse client version 24.3.12.76.altinitystable (altinity build).
Connecting to localhost:9000 as user default.
Password for user (default):
Connecting to localhost:9000 as user default.
Connected to ClickHouse server version 24.3.12.

Warnings:
* Linux transparent hugepages are set to "always". Check /sys/kernel/mm/transparent_hugepage/enabled
* Delay accounting is not enabled, OSIOWaitMicroseconds will not be gathered. You can enable it using `echo 1 > /proc/s
ys/kernel/task_delayacct` or by using sysctl.

Main. :) select 1

SELECT 1

Query id: 150b8f51-112e-49bd-acbf-e7f0908ec826

1.  1

1 row in set. Elapsed: 0.002 sec.
```

• Гистограмма: "Распределение цен на блюда"

```
SELECT
round(item_price, -1) as price_range,
count() as dish_count
FROM raw_layer.item
GROUP BY price_range
ORDER BY price_range
```

• Круговая диаграмма: "Распределение блюд по категориям"

```
SELECT
  item_category_code,
  count(*) as dish_count
FROM raw_layer.item
GROUP BY item_category_code
```

Линейный график: "Динамика добавления новых блюд в меню"

```
SELECT
  toDate(mt_insert_dt) as insert_date,
  count(*) as new_dishes
FROM raw_layer.item
GROUP BY insert_date
ORDER BY insert date
```

• Тепловая карта: "Популярность блюд по времени года и категории"

```
SELECT
  toQuarter(mt_insert_dt) as quarter,
  item_category_code,
  count(*) as dish_count
FROM raw_layer.item
GROUP BY quarter, item_category_code
```

• Таблица с сортировкой: "Топ-10 самых дорогих блюд"

```
SELECT
  item_name,
  item_category_code,
  item_price
FROM raw_layer.item
ORDER BY item_price DESC
LIMIT 10
```

• DashBoard «Статистика ресторана»

