**04 ДЗ - Развертывание и базовая конфигурация, интерфейсы и инструменты.**

**Собираем Dockerfile для clickhouse.**

Dockerfile:  
  
FROM clickhouse/clickhouse-server:25.2.1

MAINTAINER Maksim Kulikov <max.uoles@rambler.ru>

RUN apt-get update -y --fix-missing

RUN DEBIAN\_FRONTEND=noninteractive apt-get -yq upgrade

RUN apt-get install nano mc python3 pip kafkacat -y

RUN pip install clickhouse\_driver

COPY clickhouse/config.xml /etc/clickhouse-server/config.d/config.xml

COPY clickhouse/user\_scripts/transaction\_state.py /var/lib/clickhouse/user\_scripts/transaction\_state.py

COPY clickhouse/user\_scripts/transaction\_sum.py /var/lib/clickhouse/user\_scripts/transaction\_sum.py

COPY clickhouse/transaction\_state.xml /etc/clickhouse-server/transaction\_state.xml

COPY clickhouse/transaction\_sum.xml /etc/clickhouse-server/transaction\_sum.xml

RUN ["chmod", "+x", "/var/lib/clickhouse/user\_scripts/transaction\_state.py"]

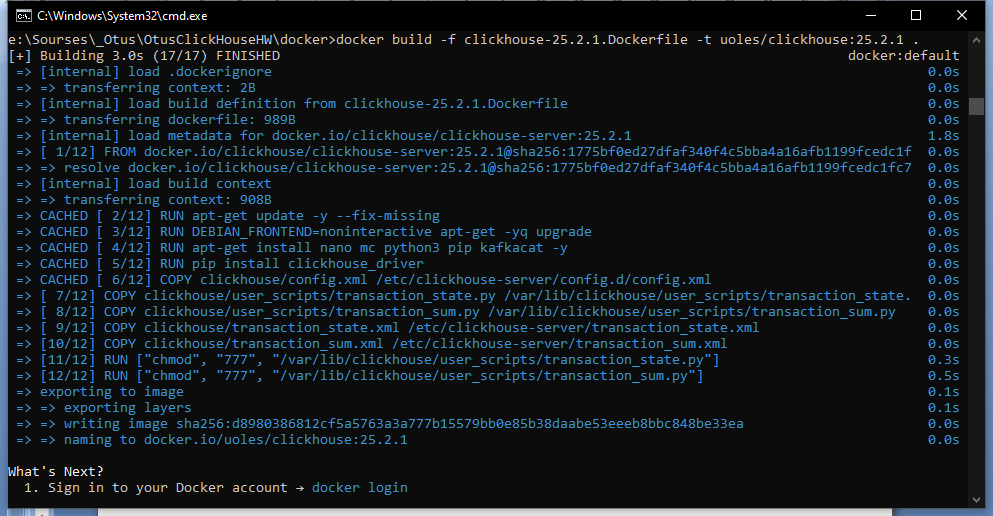
RUN ["chmod", "+x", "/var/lib/clickhouse/user\_scripts/transaction\_sum.py"]

EXPOSE 8123 9000

ENTRYPOINT ["/entrypoint.sh"]

Собираем образ командой:

docker build -f clickhouse-25.2.1.Dockerfile -t uoles/clickhouse:25.2.1 .

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Запускаем контейнер командой:

docker run -d ^

-p 18123:8123 ^

-p 19000:9000 ^

-e CLICKHOUSE\_DB=my\_database ^

-e CLICKHOUSE\_USER=username ^

-e CLICKHOUSE\_DEFAULT\_ACCESS\_MANAGEMENT=1 ^

-e CLICKHOUSE\_PASSWORD=password ^

--name clickhouse-server ^

--ulimit nofile=262144:262144 ^

uoles/clickhouse:25.2.1

