

??????????

Kafka с web интерфейсом:

```
services:
  kafka:
    image: apache/kafka:4.2.0
    container_name: kafka
    hostname: kafka
    restart: unless-stopped

  ports:
    - "9092:9092" # INTERNAL (docker network)
    - "29092:29092" # EXTERNAL (LAN access)

  environment:
    # =====
    # KRaft
    # =====
    KAFKA_NODE_ID: 1
    KAFKA_PROCESS_ROLES: broker,controller
    KAFKA_CONTROLLER_QUORUM_VOTERS: 1@kafka:9093

    # =====
    # Listeners
    # =====
    KAFKA_LISTENERS: INTERNAL://:9092,EXTERNAL://:29092,CONTROLLER://:9093
    KAFKA_ADVERTISED_LISTENERS: INTERNAL://kafka:9092,EXTERNAL://192.168.1.195:29092
    KAFKA_LISTENER_SECURITY_PROTOCOL_MAP:
INTERNAL:PLAINTEXT,EXTERNAL:PLAINTEXT,CONTROLLER:PLAINTEXT
    KAFKA_INTER_BROKER_LISTENER_NAME: INTERNAL
    KAFKA_CONTROLLER_LISTENER_NAMES: CONTROLLER

    # =====
    # Single-node safety
    # =====
    KAFKA_OFFSETS_TOPIC_REPLICATION_FACTOR: 1
```

```
KAFKA_TRANSACTION_STATE_LOG_REPLICATION_FACTOR: 1
KAFKA_TRANSACTION_STATE_LOG_MIN_ISR: 1
KAFKA_GROUP_INITIAL_REBALANCE_DELAY_MS: 0
```

```
# Optional tuning
```

```
KAFKA_AUTO_CREATE_TOPICS_ENABLE: "true"
```

```
volumes:
```

```
- ./kafka_data:/var/lib/kafka/data
```

```
kafka-ui:
```

```
image: provectuslabs/kafka-ui:latest
```

```
container_name: kafka-ui
```

```
restart: unless-stopped
```

```
ports:
```

```
- "8080:8080"
```

```
environment:
```

```
KAFKA_CLUSTERS_0_NAME: local
```

```
KAFKA_CLUSTERS_0_BOOTSTRAPSERVERS: kafka:9092
```

```
depends_on:
```

```
- kafka
```

На <https://kafka.apache.org/quickstart/> есть информация по запуску без docker

Проверка внутренними средствами

Создание темы

```
docker exec -it kafka /opt/kafka/bin/kafka-topics.sh \
  --create \
  --topic demo \
  --bootstrap-server kafka:9092 \
  --partitions 3 \
  --replication-factor 1
```

Запуск продюсера (сервер на 1.120)

```
docker exec -it kafka /opt/kafka/bin/kafka-console-producer.sh \  
  --topic demo \  
  --bootstrap-server 192.168.1.120:29092
```

Запуск консьюмера (сервер на 1.120)

```
docker exec -it kafka /opt/kafka/bin/kafka-console-consumer.sh \  
  --topic demo \  
  --from-beginning \  
  --bootstrap-server 192.168.1.120:29092
```

Revision #3

Created 18 February 2026 15:08:46 by Admin

Updated 18 February 2026 15:27:57 by Admin