

Kafka

WNAM, 2015, : WNAM MongoDB. , MongoDB, , () . () .

, WNAM : , MongoDB , , , . PRIMARY- , STANDBY,.. . WNAM, , .

, , 802.1. 2023 WNAM ,:

- () (standalone) (,) MongoDB;
- () WNAM MongoDB;
- () WNAM Kafka;
- Kafka, .

MongoDB Kafka . . WNAM Kafka. . .

WNAM (OVF), Kafka **/opt/kafka** . IP- .

WNAM , Kafka, : <https://kifarunix.com/install-apache-kafka-on-debian/> . **/opt/kafka**.

, . . :

- 172.16.135.10
- 10.241.200.123
- 10.241.200.124

Kafka, IP-, .

/opt/kafka/config/kraft/server.properties 172.16.135.10:

```
process.roles=broker,controller
# . , 1,2,3 ..
node.id=1
# ,
controller.quorum.voters=1@172.16.135.10:9093,2@10.241.200.123:9093,3@10.
241.200.124:9093
#
listeners=PLAINTEXT://172.16.135.10:9092,CONTROLLER://172.16.135.10:9093
inter.broker.listener.name=PLAINTEXT
#
advertised.listeners=PLAINTEXT://172.16.135.10:9092
controller.listener.names=CONTROLLER
listener.security.protocol.map=CONTROLLER:PLAINTEXT,PLAINTEXT:PLAINTEXT,SSL:SSL,
SASL_PLAINTEXT:SASL_PLAINTEXT,SASL_SSL:SASL_SSL
num.network.threads=3
num.io.threads=8
socket.send.buffer.bytes=102400
socket.receive.buffer.bytes=102400
socket.request.max.bytes=104857600
log.dirs=/opt/kafka/kraft-combined-logs
num.partitions=1
num.recovery.threads.per.data.dir=1
#
offsets.topic.replication.factor=3
#
transaction.state.log.replication.factor=3
transaction.state.log.min.isr=1

#
# ,

# ( ), 168

log.retention.hours=72

# , . , log.retention.bytes.
# log.retention.hours. -1

log.retention.bytes=1073741824
```

```
# . , . 1073741824
log.segment.bytes=268435456
# ,
log.retention.check.interval.ms=300000
```

Kafka. , , .. .

:

```
/opt/kafka/bin/kafka-storage.sh random-uuid
RiS_KRIffedSfMurdVxTDKw
```

:

```
/opt/kafka/bin/kafka-storage.sh format -t RiS_KRIffedSfMurdVxTDKw -c /opt/kafka
/config/kraft/server.properties
```



RiS_KRIffedSfMurdVxTDKw (,)

,

```
controller.quorum.voters=1@172.16.135.10:9093,2@10.241.200.123:9093,3@10.
241.200.124:9093
```

@ node.id, .

- Kafka . /lib/systemd/system/kafka.service :

```
[Unit]
Requires=network.target remote-fs.target
After=network.target remote-fs.target

[Service]
Type=simple
User=wnam
ExecStart=/opt/kafka/bin/kafka-server-start.sh /opt/kafka/config/kraft/server.
properties
ExecStop=/opt/kafka/bin/kafka-server-stop.sh
TimeoutSec=30
Restart=always
RestartSec=20s

[Install]
WantedBy=multi-user.target
```

Kafka, /opt/kafka/config/log4j.properties INFO, TRACE DEBUG WARN.
sed:

```
sed -r -i 's/((INFO|TRACE|DEBUG)/WARN/g' /opt/kafka/config/log4j.properties
```

kafka wnam, /opt/kafka

```
chown -R wnam:wnam /opt/kafka
```

:

```
systemctl enable kafka
```

```
systemctl start kafka
```

```
systemctl status kafka
```

WNAM /home/wnam/application.yaml:

```
netams:
  wnam:
    cluster:
      # optional, default false. kafka
      kafka_enabled: true
      # optional default false, , wnam, true , false
      full_sync: true
      # optional, default 1 () kafka
      replicas: 3
      # optional, default true. kafka kafka
      unclean_election: true
      # optional, default empty. master, .
      role: master
      # optional, default 'true'. . true false, wnam
      use_cache: true
      # optional, default false.
      show_sync: true

    spring:
      # kafka_enabled = true
      kafka:
        bootstrap-servers: 172.16.135.10:9092,10.241.200.123:9092,10.241.200.124:9092
```

WNAM:

```
systemctl restart wnam
```

, WNAM "" "WNAM", , ..