安装kafka

更新系统

```
1  sudo yum install epel-release -y
2  sudo yum update -y
```

安装JDK

方法一：[oracle官网下载jdk](#)

```
1   sudo rpm -ivh jdk-8u241-linux-x64.rpm
```

方法二：安装openjdk

```
1  sudo yum install -y java-1.8.0-openjdk
```

检查是否安装成功

```
1  java -version
```

配置Java环境配置

```
1  echo $JAVA_HOME
2
3  echo "JAVA_HOME=$(readlink -f /usr/bin/java | sed "s:bin/java::")" | sudo
   tee -a /etc/profile
4  source /etc/profile
5  echo $JAVA_HOME
```

安装kafka

下载kafka安装包，并解压

```
1  wget https://mirrors.tuna.tsinghua.edu.cn/apache/kafka/2.4.0/kafka_2.12-
   2.4.0.tgz
2
3  sudo tar -zvxf kafka_2.12-2.4.0.tgz -C  /opt/
4
5  sudo ln -s /opt/kafka_2.12-2.4.0 /opt/kafka
```

启动服务

```
1  cd /opt/kafka/bin
2
3  # 启动zookeeper
4  sudo ./zookeeper-server-start.sh ../config/zookeeper.properties
5
6  # 启动kafka
7  sudo ./kafka-server-start.sh ../config/server.properties
```

配置系统服务单元

- zookeeper服务

```
1   vi /etc/systemd/system/zookeeper.service
2   [Unit]
3   Description=Apache Zookeeper server
4   Documentation=http://zookeeper.apache.org
5   Requires=network.target remote-fs.target
6   After=network.target remote-fs.target
7
8   [Service]
9   Type=simple
10  ExecStart=/opt/kafka/bin/zookeeper-server-start.sh
    /opt/kafka/config/zookeeper.properties
11  ExecStop=/opt/kafka/bin/zookeeper-server-stop.sh
12  Restart=on-abnormal
13  User=root
14  Group=root
15
16  [Install]
17  WantedBy=multi-user.target
```

验证是否生效

```
1  sudo systemctl start zookeeper
2  sudo systemctl status zookeeper
3  sudo systemctl start zookeeper
```

- kafka服务

```
1  sudo vi /etc/systemd/system/kafka.service
2
3  [Unit]
4  Description=Apache Kafka Server
5  Documentation=http://kafka.apache.org/documentation.html
6  Requires=zookeeper.service
```

```
 7
 8  [Service]
 9  Type=simple
10  ExecStart=/opt/kafka/bin/kafka-server-start.sh
    /opt/kafka/config/server.properties
11  ExecStop=/opt/kafka/bin/kafka-server-stop.sh
12  Restart=on-abnormal
13
14
15  [Install]
16  WantedBy=multi-user.target
```

验证是否生效

```
1  sudo systemctl start kafka
2  sudo systemctl status kafka
3  sudo systemctl stop kafka
```

使用kafka

创建topic

```
1  # 创建一个kafka topic
2  # replication-factor: 副本数量
3  # partitions: 分区数量
4  bin/kafka-topics.sh --create --zookeeper localhost:2181 --replication-
   factor 1 --partitions 1 --topic testTopic
5
6  # 查看创建的topic
7  bin/kafka-topics.sh --list --zookeeper localhost:2181
```

删除topic

```
1  # 删除topic
2  bin/kafka-topics.sh --delete --topic testTopic --zookeeper localhost:2181
```

发送消息

```
1  # 使用生产者发送消息
2  bin/kafka-console-producer.sh --broker-list localhost:9092 --topic
   testTopic
```

接受消息

```
1  # 使用消费者接受消息
2  bin/kafka-console-consumer.sh --bootstrap-server localhost:9092 --topic
   testTopic --from-beginning
```

清空topic内容

参考资料

- [centos 安装kafka](#)