Step 1 — Creating a User for Kafka

sudo useradd kafka –m

sudo passwd kafka

sudo adduser kafka sudo

su -l kafka

## Step 2 — Downloading and Extracting the Kafka Binaries

## mkdir ~/Downloads

## curl "https://www.apache.org/dist/kafka/2.1.1/kafka\_2.11-2.1.1.tgz" -o ~/Downloads/kafka.tgz

## mkdir ~/kafka && cd ~/kafka

## tar -xvzf ~/Downloads/kafka.tgz --strip 1

## Step 3 — Configuring the Kafka Server

nano ~/kafka/config/server.properties

~/kafka/config/server.properties

delete.topic.enable = true

## Step 4 — Creating Systemd Unit Files and Starting the Kafka Server

sudo nano /etc/systemd/system/zookeeper.service

/etc/systemd/system/zookeeper.service

[Unit]

Requires=network.target remote-fs.target

After=network.target remote-fs.target

[Service]

Type=simple

User=kafka

ExecStart=/home/kafka/kafka/bin/zookeeper-server-start.sh /home/kafka/kafka/config/zookeeper.properties

ExecStop=/home/kafka/kafka/bin/zookeeper-server-stop.sh

Restart=on-abnormal

[Install]

WantedBy=multi-user.target

* sudo nano /etc/systemd/system/kafka.service

/etc/systemd/system/kafka.service

[Unit]

Requires=zookeeper.service

After=zookeeper.service

[Service]

Type=simple

User=kafka

ExecStart=/bin/sh -c '/home/kafka/kafka/bin/kafka-server-start.sh /home/kafka/kafka/config/server.properties > /home/kafka/kafka/kafka.log 2>&1'

ExecStop=/home/kafka/kafka/bin/kafka-server-stop.sh

Restart=on-abnormal

[Install]

WantedBy=multi-user.target

sudo systemctl start kafka

sudo journalctl -u kafka

sudo systemctl enable kafka

## Step 5 — Testing the Installation

* ~/kafka/bin/kafka-topics.sh --create --zookeeper localhost:2181 --replication-factor 1 --partitions 1 --topic TutorialTopic
* echo "Hello, World" | ~/kafka/bin/kafka-console-producer.sh --broker-list localhost:9092 --topic TutorialTopic > /dev/null

other terminal

* ~/kafka/bin/kafka-console-consumer.sh --bootstrap-server localhost:9092 --topic TutorialTopic --from-beginning