**Install Kafka on CentOS 7**

Basic Development Set-up

Disk RAM CPU

15GB 2GB 2

Production Set-up [ Active-Active]

If we want to monitor logs to ensure our security, we must increase our disk size.

Disk RAM CPU

30GB 4GB 4

## Step-1: **Download and Extract the Kafka Binaries**

curl <https://www-eu.apache.org/dist/kafka/2.1.0/kafka_2.11-2.1.0.tgz>

tar -xvzf ~/kafka\_2.11-2.1.0.tgz --strip 1

## Step-2: zookeeper & Kafka service creations

/etc/systemd/system/zookeeper.service

[Unit]

Requires=network.target remote-fs.target

After=network.target remote-fs.target

[Service]

Type=simple

User=root

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

/etc/systemd/system/kafka.service

[Unit]

Requires=network.target remote-fs.target

After=network.target remote-fs.target

[Service]

Type=simple

User=root

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

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

Restart=on-abnormal

[Install]

WantedBy=multi-user.target

## Step 3 : Start Kafka

systemctl start kafka

If you are running a firewall, run the following commands to allow HTTP and HTTPS traffic:

sudo firewall-cmd --permanent --zone=public --add-port=9092/tcp

sudo firewall-cmd --permanent --zone=public --add-port=2181/tcp

sudo firewall-cmd --reload

## Changed Parameters

**listeners**

**listeners = PLAINTEXT://your.host.name:9092 to listeners = PLAINTEXT://IPADDRESS or HOSTNAME: 9092**

The address the socket server listens on.

**advertised.listeners**

**advertised.listeners=PLAINTEXT://localhost:9092 to advertised.listeners=PLAINTEXT://IPADDRESS or HOSTNAME:9092**

Hostname and port the broker will advertise to producers and consumers.

**advertised.listeners**

**zookeeper.connect= localhost:2181 to zookeeper.connect=IPADDRESS or HOSTNAME: 2181**

Zookeeper connection string.

**delete.topic.enable**

**2181 delete.topic.enable=true**

Need to add delete.topic.enable and it should contain **true** value for topic removal.