

## Setting up Kafka server:

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### 1. Create an ec2 server

- Set permissions for pem file  
`chmod 400 RHEL.pem`
- SSH to the machine  
`ssh -i "RHEL.pem" ec2-user@server_address`
- Install updates  
`sudo yum update`

### 2. Update java environment

- `wget --no-check-certificate --no-cookies --header "Cookie:oraclelicense=accept-securebackup-cookie" http://download.oracle.com/otn-pub/java/jdk/8u141-b15/336fa29ff2bb4ef291e347e091f7f4a7/jdk-8u141-linux-x64.rpm`
- `sudo yum install -y jdk-8u141-linux-x64.rpm`
- `java -version`

### 3. Install Kafka

Download and extract kafka package

- `wget https://downloads.apache.org/kafka/2.8.2/kafka_2.12-2.8.2.tgz`
- `tar -xvzf kafka_2.12-2.8.2.tgz`
- `rm kafka_2.12-2.8.2.tgz`

### 4. Configuring Kafka Server

Navigate to kafka folder and then to config folder

- `cd kafka_folder`
- `cd config/`

Make changes in server.properties file

- `vi server.properties`
- Uncomment the below line and update the host name  
`advertised.listeners=PLAINTEXT://52.21.15.133:9092`

## Starting Kafka Server

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### 1. Start Zookeeper server

Open a new terminal window and login to ec2 server. Navigate to kafka folder and run below command to start zookeeper server



- `cd kafka_2.12-2.8.2`
- `bin/zookeeper-server-start.sh config/zookeeper.properties`

## 2. Start Kafka server

Open new terminal window

1. Navigate to Kafka folder

`bin/kafka-server-start.sh config/server.properties`

Creating topic in Kafka server

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Open new terminal window

`bin/kafka-topics.sh --create --bootstrap-server localhost:9092 --replication-factor 1 --partitions 1 --topic vitals`

Deleting kafka topic

`bin/kafka-topics.sh --bootstrap-server localhost:9092 --delete --topic vitals`

List topics

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`bin/kafka-topics.sh --list --bootstrap-server localhost:9092`

**STATEMENT TO CREATE TOPICS**

<Enter statement>

**STATEMENT TO LIST TOPICS**

<Enter statement>