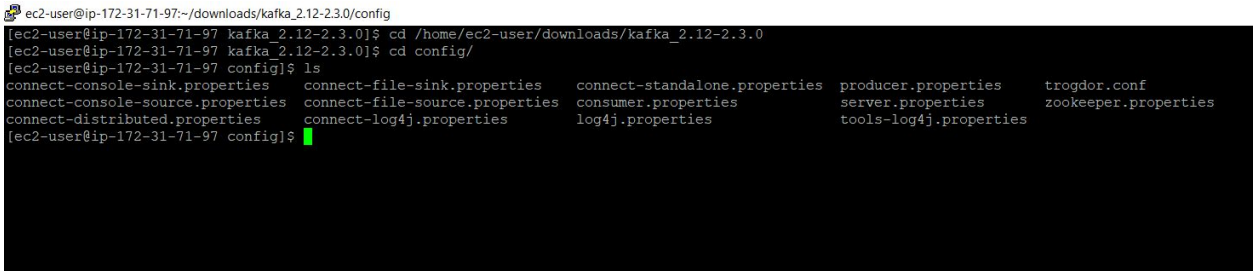
Kafka Server Configuration

This document lists the step by step process to configure the Kafka Server so that you can connect your Kafka server with an IDE such as Eclipse.

To configure the Kafka server, you need to make changes in the server.properties file for which you need to go through the following steps:

- Login to the EC2 instance and go inside the Kafka directory present there. The command for the same is **cd /home/ec2-user/downloads/kafka_2.12-2.3.0.** Once you are inside this directory you need to go inside the config directory. The command for the same is **cd config/**. Once you are inside the directory enter the command **ls**. This will list you the different files present inside the directory.



- Here you need to make changes in the **server.properties** file. To edit this file, enter the command **vi server.properties**. You would get a screen as shown below.

```
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# distributed under the License is distributed on an "AS IS" BASIS,
# WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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# limitations under the License.

# see kafka.server.KafkaConfig for additional details and defaults

############################ Server Basics #############################

# The id of the broker. This must be set to a unique integer for each broker.
broker.id=0

############################# Socket Server Settings #############################

# The address the socket server listens on. It will get the value returned from
# java.net.InetAddress.getCanonicalHostName() if not configured.
#   FORMAT:
#     listeners = listener_name://host_name:port
#   EXAMPLE:
#     listeners = PLAINTEXT://your.host.name:9092
#listeners=PLAINTEXT://:9092

# Hostname and port the broker will advertise to producers and consumers. If not set,
# it uses the value for "listeners" if configured.  Otherwise, it will use the value
# returned from java.net.InetAddress.getCanonicalHostName().
#advertised.listeners=PLAINTEXT://your.host.name:9092

# Maps listener names to security protocols, the default is for them to be the same. See the config documentation for more details
#listener.security.protocol.map=PLAINTEXT:PLAINTEXT,SSL:SSL,SASL_PLAINTEXT:SASL_PLAINTEXT,SASL_SSL:SASL_SSL

# The number of threads that the server uses for receiving requests from the network and sending responses to the network
num.network.threads=3

# The number of threads that the server uses for processing requests, which may include disk I/O
num.io.threads=8

# The send buffer (SO_SNDBUF) used by the socket server
socket.send.buffer.bytes=102400

"server.properties" [noeol] 136L, 6851C
```
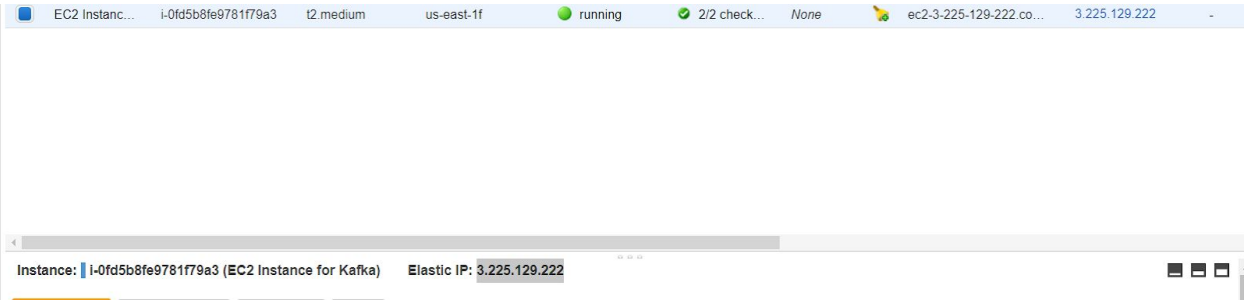

- Here you need to make changes in the line which reads as follows:

```
#advertised.listeners=PLAINTEXT://your.host.name:9092
```

You need to uncomment this line and in place of your.host.name you need to enter the IPv4 Public IP of your EC2 Instance. This is the same as the Elastic IP associated with your EC2 instance. So press **i**, and you will enter insert mode.



You can see the IP in my case is 3.225.129.222.

- Then go the above line and uncomment it by removing the **#**. Next in place of

your.host.name enter the IPv4 Public IP of your EC2 instance. In my case that line would read as follows:

```
advertised.listeners=PLAINTEXT://3.225.129.222:9092
```

Your screen should look something as shown below:

Make sure that you enter IP address of your EC2 instance.

Once you have done these steps, press **esc** and then type **:wq** to come out of the file.

With these steps, you have configured the Kafka server to connect it with an IDE such as Eclipse.