

## KAFKA Activity

### How to use Kafka on the Cluster:

Apache Kafka scripts are located at /usr/hdp/current/kafka-broker/bin

1. Login to Web Console
2. export PATH=\$PATH:/usr/hdp/current/kafka-broker/bin

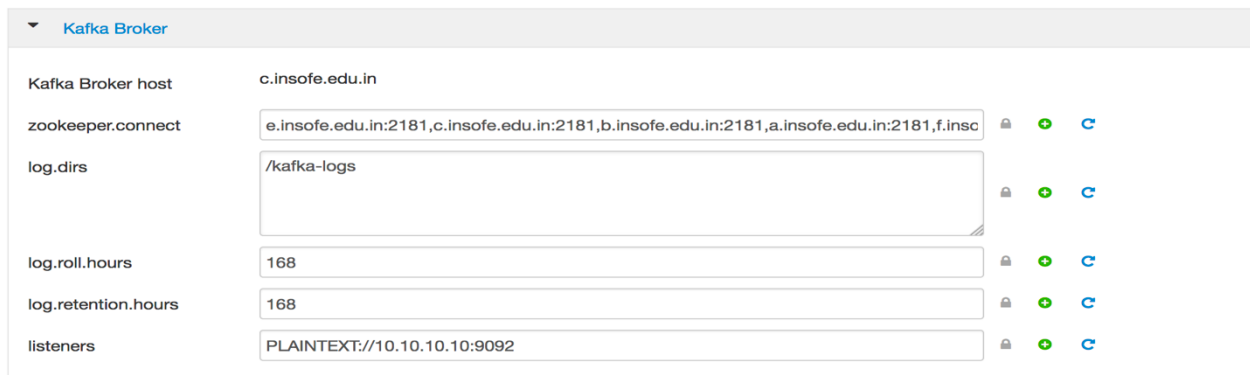
### Create the Topic:

Get one of the Zookeeper-connect ip from the Ambari. Login to Ambari using the credentials given below. Click on “Kafka” on left-hand navigation. Click on “Config” and select one of the ip from “zookeeper.connect” property. Let’s say it as a zookeeper-connect-ip

Ambari URL: <http://172.16.0.245:8080>

User Name: insofeadmin

Password: insofe@3456



Property	Value	Lock	Refresh	Delete
Kafka Broker host	c.insofe.edu.in			
zookeeper.connect	e.insofe.edu.in:2181,c.insofe.edu.in:2181,b.insofe.edu.in:2181,a.insofe.edu.in:2181,f.insofe.edu.in:2181			
log.dirs	/kafka-logs			
log.roll.hours	168			
log.retention.hours	168			
listeners	PLAINTEXT://10.10.10.10:9092			

### Create Kafka Topic:

**Command:** kafka-topics.sh --create --zookeeper <zookeeper\_ip>:2181 --replication-factor 1 --partitions 1 --topic <TopicName >

#### Example:

kafka-topics.sh --create --zookeeper e.insofe.edu.in:2181 --replication-factor 1 --partitions 1 --topic insofe\_topic

### Check if Topic is created:

kafka-topics.sh --list --zookeeper e.insofe.edu.in:2181

Broker IP: c.insofe.edu.in

### Push Message to the Topic:

```
kafka-console-producer.sh --broker-list c.insofe.edu.in:9092 --topic insofe_topic
```

### Consume Message from the topic:

Open web console in another new tab and run these commands to consume the produced messages.

**Note : Please use the zookeeper id while creating the topic.**

#### Command:

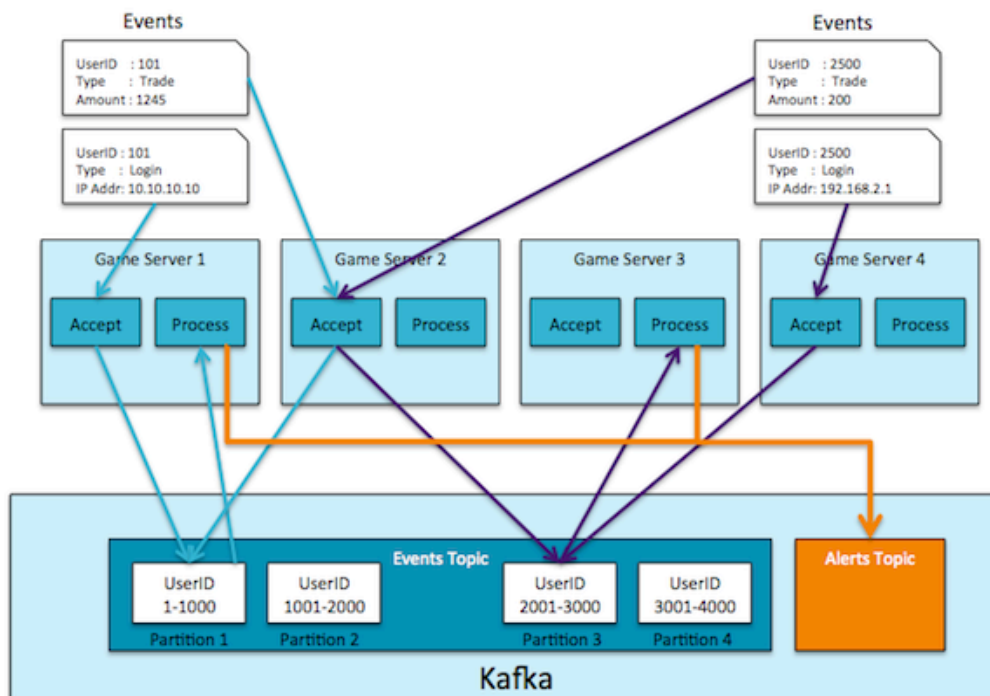
```
kafka-console-consumer.sh --bootstrap-server c.insofe.edu.in:9092 --topic <TopicName> --from-beginning
```

```
export PATH=$PATH:/usr/hdp/current/kafka-broker/bin
```

#### Example:

```
kafka-console-consumer.sh --bootstrap-server c.insofe.edu.in:9092 --topic insofe_topic --from-beginning
```

Example:



Ref Link: <http://blog.cloudera.com/blog/2014/09/apache-kafka-for-beginners/>