**1.3 Quick Start**

This tutorial assumes you are starting fresh and have no existing Kafka or ZooKeeper data.

Step 1: Download the code

Download the 0.8.2.0 release and un-tar it.

> tar -xzf kafka\_2.10-0.8.2.0.tgz

> cd kafka\_2.10-0.8.2.0

Step 2: Start the server

Kafka uses ZooKeeper so you need to first start a ZooKeeper server if you don't already have one. You can use the convenience script packaged with kafka to get a quick-and-dirty single-node ZooKeeper instance.

> bin/zookeeper-server-start.sh config/zookeeper.properties

[2013-04-22 15:01:37,495] INFO Reading configuration from: config/zookeeper.properties (org.apache.zookeeper.server.quorum.QuorumPeerConfig)

...

Now start the Kafka server:

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

[2013-04-22 15:01:47,028] INFO Verifying properties (kafka.utils.VerifiableProperties)

[2013-04-22 15:01:47,051] INFO Property socket.send.buffer.bytes is overridden to 1048576 (kafka.utils.VerifiableProperties)

...

Step 3: Create a topic

Let's create a topic named "test" with a single partition and only one replica:

> bin/kafka-topics.sh --create --zookeeper localhost:2181 --replication-factor 1 --partitions 1 --topic test

We can now see that topic if we run the list topic command:

> bin/kafka-topics.sh --list --zookeeper localhost:2181

test

Alternatively, instead of manually creating topics you can also configure your brokers to auto-create topics when a non-existent topic is published to.

Step 4: Send some messages

Kafka comes with a command line client that will take input from a file or from standard input and send it out as messages to the Kafka cluster. By default each line will be sent as a separate message.

Run the producer and then type a few messages into the console to send to the server.

> bin/kafka-console-producer.sh --broker-list localhost:9092 --topic test

This is a message

This is another message

Step 5: Start a consumer

Kafka also has a command line consumer that will dump out messages to standard output.

> bin/kafka-console-consumer.sh --zookeeper localhost:2181 --topic test --from-beginning

This is a message

This is another message

If you have each of the above commands running in a different terminal then you should now be able to type messages into the producer terminal and see them appear in the consumer terminal.