Kafka - Installation

04:27 PM

https://archive.apache.org/dist/zookeeper/

Single node kafka cluster

To test setup running properly or no

E:\TH_DevOps\KafkaLab\kafka\bin\windows>kafka-topics.bat --create --topic surekha --bootstrap-server localhost:9092
Created topic surekha.

```
--create --partitions 1--replication-factor 1 --topic quickstart-events --bootstrap-server localhost:9092
```

E:\TH_DevOps\KafkaLab\kafka\bin\windows>kafka-topics.bat --list --bootstrap-server localhost:9092
surekha

Start 2 terminal

Start consumer

E:\TH_DevOps\KafkaLab\kafka\bin\windows>kafka-console-consumer.bat --topic surekha --bootstrap-server localhost:9092

Start producer

E:\TH_DevOps\KafkaLab\kafka\bin\windows>kafka-console-producer.bat --topic surekha --bootstrap-server localhost:9092
>surekha
>how are you

List brokers in the Kafka cluster
Let's list the broker in the Kafka cluster
ls /brokers/ids

Show details of a Kafka broker
get /brokers/ids/0

Create a Kafka topic in case the topic doesn't exist
$KAFKA_H

From <https://medium.com/@TimvanBaarsen/apache-kafka-cli-commands-cheat-sheet-a6f06eac01b>

kafka-topics.bat --create --topic surekha --bootstrap-server localhost:9092
--create --topic $TOPIC_NAME*--partitions 3 --replication-factor 1* ***--if-not-exists***

Create a Kafka topic with a short retention
By default, a Kafka topic has a retention period of 7 days.
This example shows the command to create a topic with a retention period of 10 seconds.

kafka-topics --bootstrap-server localhost:9092 --create --topic my-topic-with-short-retention-period --partitions 3 --replication-factor 1 --config retention.ms=10000 --config segment.ms=10000

Show the Kafka topic details

--topic $TOPIC_NAME *--describe*

Increase the number of partitions of a Kafka topic

--alter --topic my-first-topic **--partitions** 5

Purge a Kafka topic
At the time of writing, there is no single command to purge a topic.
As a workaround, you can purge a topic by changing the retention time of a topic to one minute.

--add-config retention.ms=1000