Kafka QuickStart - Apache Kafka + Kafka - Python

1. Download kafka

https://kafka.apache.org/downloads



DOWNLOAD

3.3.1 is the latest release. The current stable version is 3.3.1.

You can verify your download by following these $\underline{\text{procedures}}$ and using these $\underline{\text{KEYS}}.$

3.3.1

- Released October 3, 2022
- 3.3.1 and 3.3.0 Release Notes
- Source download: kafka-3.3.1-src.tgz (asc, sha512)
- · Binary downloads:
 - o Scala 2.12 kafka_2.12-3.3.1.tgz (asc, sha512)
- Scala 2.13 kafka_2.13-3.3.1.tgz (asc, sha512)

We build for multiple versions of Scala. This only matters if you are using Scala and you want a version built for the same Scala version you use. Otherwise any version should work (2.13 is recommended).

Kafka 3.3.1 includes a number of significant new features. Here is a summary of some notable changes:

- . KIP-833: Mark KRaft as Production Ready
- KIP-778: KRaft to KRaft upgrades

3.0.0

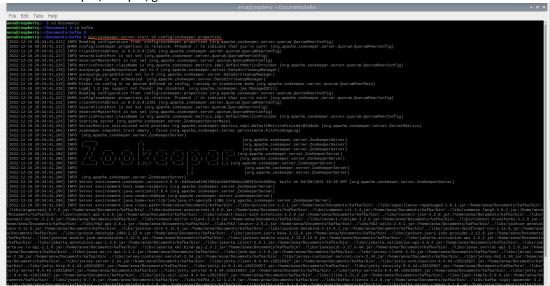
- · Released September 21, 2021
- Release Notes
- Source download: kafka-3.0.0-src.tgz (asc, sha512)
- Binary downloads:
- Scala 2.12 kafka 2.12-3.0.0 tgz (asc, sha512)
- Scala 2.13 kafka 2.13-3.0.0.tgz (asc, sha512)

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 ${\sf Kafka~3.0.0~includes~a~number~of~significant~new~features.~Here~is~a~summary~of~some~notable~changes:}$

- The deprecation of support for Java 8 and Scala 2.12
- Kafka Raft support for snapshots of the metadata topic and other improvements in the self-managed quorum
- Stronger delivery guarantees for the Kafka producer enabled by default
- Depression of message formate v0 and v1

2. Start zookeeper, unzip it, get into the folder



3. Start Kafka Brokers

Create another terminal, do not close zookeeper

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4. Creating Kafka topic:

Create another terminal, do not shut down zookeeper and kafka brokers

```
mnnergapherry: /Documents/lacks 1.5 bio/kafks.topics sh .-craste ..topic send: recommend product -bootstrap-server localboot:1902 -partitions 3 -replication factor 1
moneyed. Due to 1-estations in metric names, topics with a period ('.') or underscore ('.') could collide. To avoid issues It is Best to use either, but not buth.

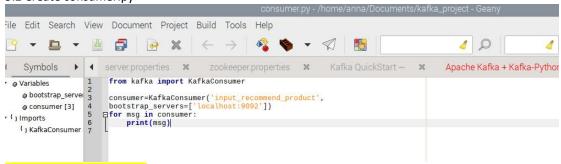
Error while executing topic command: Topic 'input_recommend product' already exists,
[2022-12-17 01388:27,909] BRORR org.apache.kafka.common.errors.TopicExistsException: Topic 'input_recommend_product' already exists.

[Asfa.admin.TopicCommand5]
```

5. Create Producer and Consumer with Kafka-python

5.1 Create producer.py

5.2 Create consumer.py



5.3 Run consumer.py first