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Required Commands:

.\bin\windows\zookeeper-server-start.bat .\config\zookeeper.properties

.\bin\windows\kafka-server-start.bat .\config\server.properties

kafka-topics.bat --create --bootstrap-server localhost:9092 --replication-factor 1 --partitions 1 --topic viettel

kafka-topics.bat --create --zookeeper localhost:2181 --replication-factor 1 --partitions 1 --topic viettel

kafka-console-producer.bat --broker-list localhost:9092 --topic test

Sample Data:

{"Name: "John", "Age":"31", "Gender":"Male"}

{"Name: "Emma", "Age":"27", "Gender":"Female"}

{"Name: "Ronald", "Age":"17", "Gender":"Male"}

kafka-console-consumer.bat --topic test --bootstrap-server localhost:9092 --from-beginning .\bin\windows\zookeeper-server-stop.bat .\config\zookeeper.properties

.\bin\windows\kafka-server-stop.bat .\config\server.properties

Cài đặt elasticsearch, kibana, logstash

<https://www.youtube.com/watch?v=BybAetckH88>

Tài khoản và mật khẩu elasticsearch: elastic vs \*IdazT\_Y8zcZlCQn5z9G

logstash -f .\config\logstash-kafka.conf --config.reload.automatic

**Các bước chạy hệ thống**

+Đầu tiên, vào C:\kafka khởi động server và zookeeper của kafka sử dụng lệnh

.\bin\windows\zookeeper-server-start.bat .\config\zookeeper.properties

.\bin\windows\kafka-server-start.bat .\config\server.properties

+Vào F:\elasticsearch\elasticsearch-8.13.4-windows-x86\_64\elasticsearch-8.13.4\bin dùng lệnh elasticsearch.bat

để khởi động elasticsearch

+Vào F:\elasticsearch\kibana-8.13.4\bin dùng lệnh

kibana.bat

để khởi động kibana

+Vào F:\elasticsearch\logstash-8.13.4\bin dùng lệnh

logstash -f .\config\logstash-kafka.conf --config.reload.automatic

để khởi động logstash giúp ghi dữ liệu vào elasticsearch để hiển thị trên kibana

+Chạy dự án KafkaConsumer trong miniproject folder

+Chạy dự án MultitenancyMultiDatabase trong miniproject folder

+Sử dụng postman đăng nhập với tài khoản trong SecurityConfiguration rồi sử dụng token ở header thực hiện các api để ghi log ra kafka.

+Khi tắt, làm ngược lại