

LP3 - Sistemas orientados mensagens

Sistemas Orientados Mensagens

Semana 14 –Nodejs, Postgres, Render, GitHub

E-commerce da Natalia



- Iniciar o projeto dos microserviços de cada grupo
- Em Node.js (recomendação)
- Links dos mapas mentais no Miro:

[Turma 3E](#)

[Turma 3D](#)

Cluster Kafka



```
File Edit Selection ... Search
C: > Users > myrnakagohara-ieg > OneDrive - Instituto Germinare > Documentos > workdir > ruanbekker > docker-compose.yml
4  services:
33   kafka-ui: # https://github.com/provectus/kafka-ui/blob/master/documentation/compose/kafka
42   environment:
43     KAFKA_CLUSTERS_0_NAME: broker-1
44     KAFKA_CLUSTERS_0_BOOTSTRAPSERVERS: broker-1:29091,broker-2:29092,broker-3:29093
45     KAFKA_CLUSTERS_0_METRICS_PORT: 19101
46     #KAFKA_CLUSTERS_0_SCHEMAREGISTRY: http://schemaregistry0:8085
47     #KAFKA_CLUSTERS_0_KAFKACONNECT_0_NAME: first
48     #KAFKA_CLUSTERS_0_KAFKACONNECT_0_ADDRESS: http://kafka-connect0:8083
49     #KAFKA_CLUSTERS_1_NAME: broker-2
50     #KAFKA_CLUSTERS_1_BOOTSTRAPSERVERS: broker-2:29092
51     #KAFKA_CLUSTERS_1_METRICS_PORT: 19102
52     #KAFKA_CLUSTERS_0_SCHEMAREGISTRY: http://schemaregistry0:8085
53     #KAFKA_CLUSTERS_2_NAME: broker-3
54     #KAFKA_CLUSTERS_2_BOOTSTRAPSERVERS: broker-3:29093
55     #KAFKA_CLUSTERS_2_METRICS_PORT: 19103
56     #KAFKA_CLUSTERS_1_SCHEMAREGISTRY: http://schemaregistry1:8085
57     DYNAMIC_CONFIG_ENABLED: 'true'
58   networks:
59     - kafka
```

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DB Postgres no Render



- Hostname: dpg-co7upesf7o1s738n3u5g-a.oregon-postgres.render.com
- Port: 5432
- Database: dbecommerce_n9hn
- Username: dbecommerce_n9hn_user
- Senha do BD: 0Scqh1LQR7sKG1EYNBaBmx4VPWIrvtF

DB Postgres no Render



- External URL:
`postgres://dbecommerce_n9hn_user:0Scqh1LQR7sKG1EYNBaBmx4VPWirvJtF@dpg-co7upesf7o1s738n3u5g-a.oregon-postgres.render.com/dbecommerce_n9hn`
- Comando PSQL:
`PGPASSWORD=0Scqh1LQR7sKG1EYNBaBmx4VPWirvJtF psql -h dpg-co7upesf7o1s738n3u5g-a.oregon-postgres.render.com -U dbecommerce_n9hn_user dbecommerce_n9hn`

DB Postgres no Render



- Internal URL:
postgres://dbecommerce_n9hn_user:0Scqh1LQR7sKG1EYNBa
Bmx4VPWirvJtF@dpg-co7upesf7o1s738n3u5g-
a/dbecommerce_n9hn

DB Postgres no Render



Internal Connection

External Connection

External Database URL

Connect from [services outside of Render](#).

```
postgres://dbecommerce_n9hn_user:0Scqh1LQR7sK
```



PSQL Command

Connect from the [command line](#).

```
PGPASSWORD=0Scqh1LQR7sKG1EYNBaBmx4VPWirvJtF p
```



Kafkajs



- Biblioteca JavaScript para interação com o Kafka
- <https://kafka.js.org/docs/getting-started>

[Apache Kafka and Node.js - Getting Started
Tutorial \(confluent.io\)](#)

Kafkajs



- Cliente Kafkajs: [neeste link](#)

Kafkajs

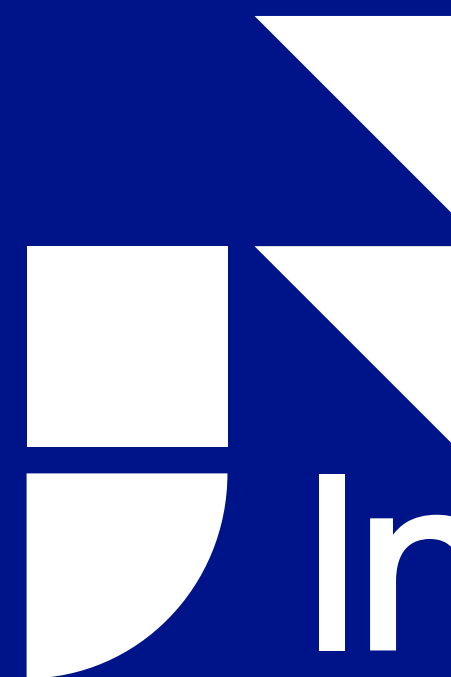


- Produtor:
<https://developer.confluent.io/get-started/nodejs/#build-producer>
- Produção de eventos:
<https://developer.confluent.io/get-started/nodejs/#produce-events>

Kafkajs



- Consumidor:
<https://developer.confluent.io/get-started/nodejs/#build-consumer>
- Consumo de eventos:
<https://developer.confluent.io/get-started/nodejs/#consume-events>



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