

Exercício 01 (Nifi + Postgres)

Criar um pipeline no Nifi que receba dados de uma API(simulada) a cada 3 segundos e salve em uma tabela no Postgres

Orientações

Criação de tabela no Postgres

- Acessar o container do postgres pelo terminal VSCode

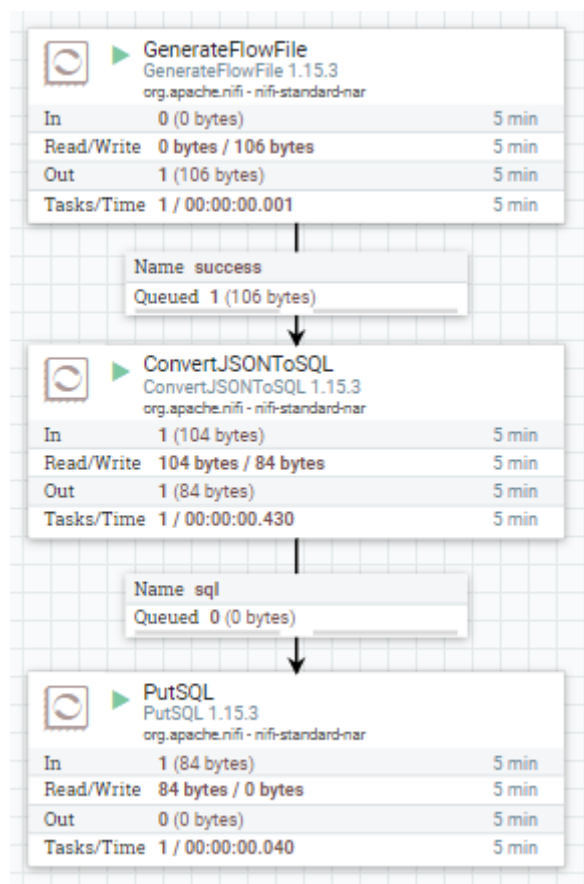
```
docker exec -it postgres bash
```

- Acessar o CLI do Postgres

```
psql -U metabase
```

- Criar a tabela

```
create table exercicio_01 (success boolean, deck_id varchar, remaining bigint, shuffled boolean);
```



GenerateFlowFile

Custom Text: {"success": \${now():toNumber():multiply(3):mod(2):equals(0)}, "deck_id": "\${UUID()}",
"remaining": \${random():mod(1040)}, "shuffled": \${now():toNumber():mod(2):equals(0)}}

Mime Type: application/json

Configure Processor | GenerateFlowFile 1.15.3

Stopped

SETTINGS | SCHEDULING | **PROPERTIES** | COMMENTS

Required field

Property		Value
File Size	?	0B
Batch Size	?	1
Data Format	?	Text
Unique FlowFiles	?	false
Custom Text	?	{"success": \${now():toNumber():multiply(3):mod(2):equals(0...}
Character Set	?	UTF-8
Mime Type	?	application/json

ConvertJSONToSQL

Processor Details

Running STOP & CONFIGURE

SETTINGS | SCHEDULING | **PROPERTIES** | COMMENTS

Required field

Property		Value
JDBC Connection Pool	?	DBCPConnectionPool →
Statement Type	?	INSERT
Table Name	?	exercicio_01

PutSQL

Processor Details

Running STOP & CONFIGURE

SETTINGS | SCHEDULING | **PROPERTIES** | COMMENTS

Required field

Property		Value
JDBC Connection Pool	?	DBCPConnectionPool →
SQL Statement	?	No value set

Verificação da ingestão

```
PS C:\Users\Vinicius.Silva\OneDrive - Brasil Plural\Documents\FIA\aula_2022_12_13> docker exec -it postgres bash
root@postgres:/# psql -U metabase
psql (9.6.23)
Type "help" for help.

metabase=# select * from exercicio_01;
 success |                deck_id                | remaining | shuffled
-----+-----+-----+-----
 t       | c265aa98-3cf5-4e64-a366-6a326a8fd9c9 |        458 | t
 f       | 2d76d5bc-61d9-4325-9886-b8da2c42f88f |        374 | f
(2 rows)
```