

### 3) Spark Streaming+Kafka

Запись ордеров в топик

```
[student782_11@bigdataanalytics2-worker-shdpt-v31-1-0 ~]$ pip3.7 install kafka-python
Defaulting to user installation because normal site-packages is not writeable
Collecting kafka-python
  Downloading kafka_python-2.0.2-py2.py3-none-any.whl (246 kB)
    |████████████████████████████████████████| 246 kB 1.8 MB/s
Installing collected packages: kafka-python
Successfully installed kafka-python-2.0.2
WARNING: You are using pip version 20.1.1; however, version 21.2.3 is available.
You should consider upgrading via the '/usr/local/bin/python3.7 -m pip install --upgrade pip' command.
[student782_11@bigdataanalytics2-worker-shdpt-v31-1-0 ~]$ python3.7 orders_data_
uploader.py 1000_orders.json bigdataanalytics2-worker-shdpt-v31-1-0:6667 lesson3
_topic_blagov
Orders file path: 1000_orders.json
Kafka host: bigdataanalytics2-worker-shdpt-v31-1-0:6667
Kafka topic: lesson3_topic_blagov
[student782_11@bigdataanalytics2-worker-shdpt-v31-1-0 ~]$
```

file\_source.py

```
+-----+-----+-----+-----+
---+
|product_category_name|product_category_name_english|spanish_length|english_length|
+-----+-----+-----+-----+
---+
|telefonía           |telephony                    |9             |9             |
|consoles_games      |consoles_games               |14            |14            |
|audio               |audio                        |5             |5             |
|cool_stuff          |cool_stuff                   |10            |10            |
|pet_shop            |pet_shop                     |8             |8             |
|market_place        |market_place                 |12            |12            |
|eletronicos         |electronics                  |11            |11            |
|livros_tecnicos     |books_technical              |15            |15            |
|livros_interesse_geral|books_general_interest       |22            |22            |
|
```

kafka\_source.py

key	value	topic	partition	offset	timestamp	
mp	timestampType					
null	[7B 22 6F 72 64 6...]	orders_topic_json	2	0	2021-07-14 13:56:.	
..	0					
null	[7B 22 6F 72 64 6...]	orders_topic_json	2	1	2021-07-14 13:56:.	
..	0					
null	[7B 22 6F 72 64 6...]	orders_topic_json	2	2	2021-07-14 13:56:.	
..	0					
null	[7B 22 6F 72 64 6...]	orders_topic_json	2	3	2021-07-14 13:56:.	
..	0					
null	[7B 22 6F 72 64 6...]	orders_topic_json	2	4	2021-07-14 13:56:.	