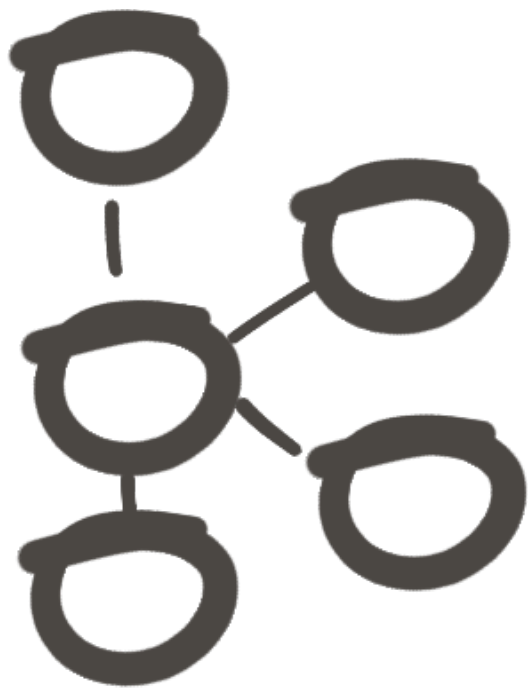


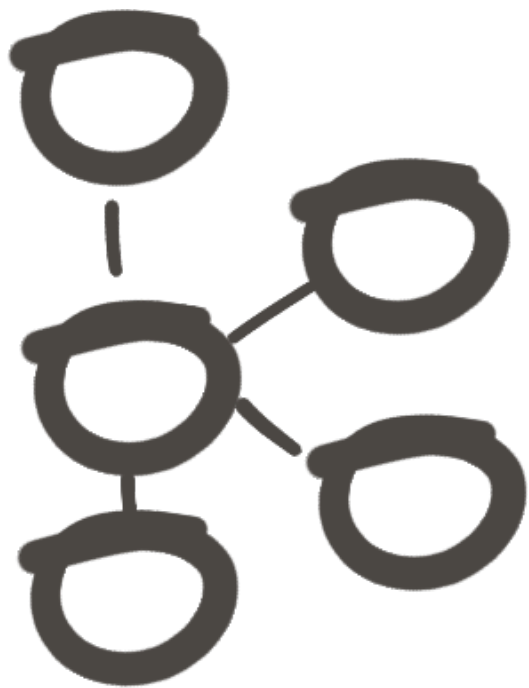
Kickstart your Kafka with Faker Data

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 @ftisiot



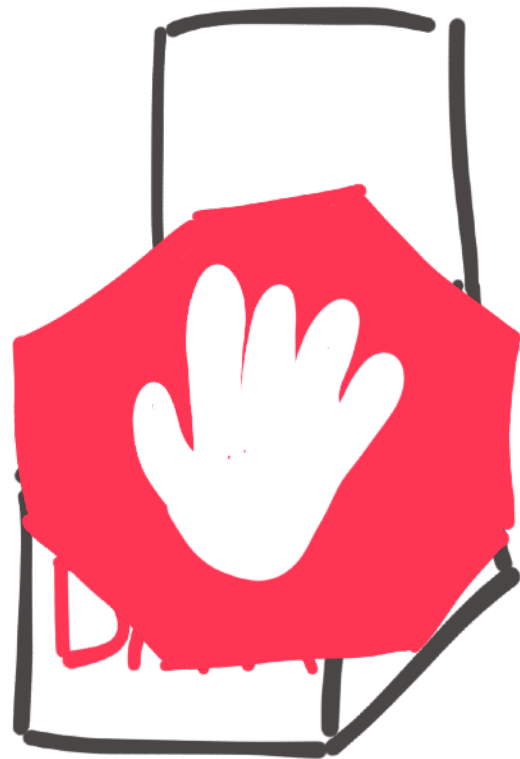
Kafka is Up!





What Now?

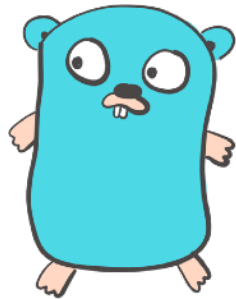




Choose Your Hero



Perl



=GO



Kafka Python

```
from kafka import KafkaProducer

producer = KafkaProducer(
    bootstrap_servers=['broker1:1234']
)

producer.send(
    'my-topic',
    b'raw_bytes'
)

producer.flush()
```



Faker

1. Install

```
$ pip install Faker
```

2. Use

```
from faker import Faker
fake = Faker()

fake.name()
# 'Lucy Cechtelar'

fake.address()
# '426 Jordy Lodge'
# 'Cartwrightshire, SC 88120-6700'
```



Faker

3. Localize

```
fake = Faker('it_IT')  
#default is  
  
fake.name()  
#Sig. Severino Zaccagnini  
  
fake.address()  
#Incrocio Milanese 58  
#Livio sardo, 33587 Palermo (BZ)
```

4. Uniqueness & Repeatable Results

```
fake.unique.name()  
  
Faker.seed(4321)
```



Providers

<https://faker.readthedocs.io/en/master/providers.html>



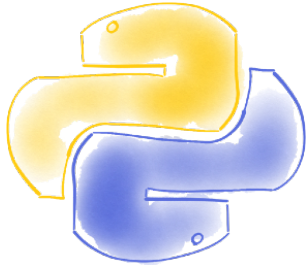
Automotive



Geo



Bank



Python



Pizza?



5. Extend

```
from faker.providers import BaseProvider

valid_pizza_names = [
    'Margherita',
    'Marinara',
    'Diavola',
    'Mari & Monti',
    'Salami',
    'Peperoni'
]

class PizzaProvider(BaseProvider):
    def pizza_name(self):
        return random.choice(valid_pizza_names)
```



6. Create

```
fake.add_provider(PizzaProvider)

pizzas = []
for pizza in range(5):
    pizzas.append(fake.pizza_name())

message = {
    'id': 0,
    'shop': fake.shop_name(),
    'name': fake.unique.name(),
    'phoneNumber': fake.unique.phone_number(),
    'address': fake.address(),
    'pizzas': pizzas
}
```



7. Output

```
{
  "id": 0,
  "shop": "Luigis Pizza",
  "name": "Arsenio Pisaroni-Boccaccio",
  "phoneNumber": "+39 51 0290746",
  "address": "Viale Donatoni 01\nBianca terme, 85639 Novara (CZ)",
  "pizzas": [
    {
      "pizzaName": "Diavola",
      "additionalToppings": ["ham"]
    },
    {
      "pizzaName": "Diavola",
      "additionalToppings": ["mozzarella", "banana", "onion"]
    }
  ]
}
```



Resources



<https://github.com/joke2k/faker>



go.aiven.io/pizza_producer_blog



go.aiven.io/pizza_producer_repo



<https://aiven.io>

