

# APACHE NIFI WITH DATAFLOW



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SILA KAZAN



# Introduction

## Businesses need

Economy comments  
on Twitter data

## Solutions

Using data with  
Twitter API

## Objectives

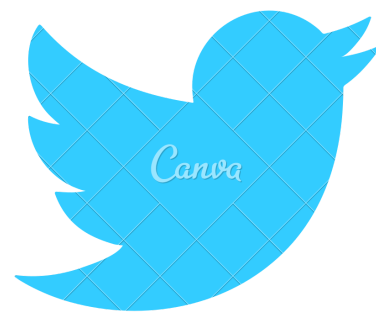
Nifi with the economy last tweets to  
attract and raise the Dollar , Inflation  
and vb. on researching tweets

# Methodology



**TWITTER**

Twitter developer API



**Google Cloud**

**Google cloud platform**

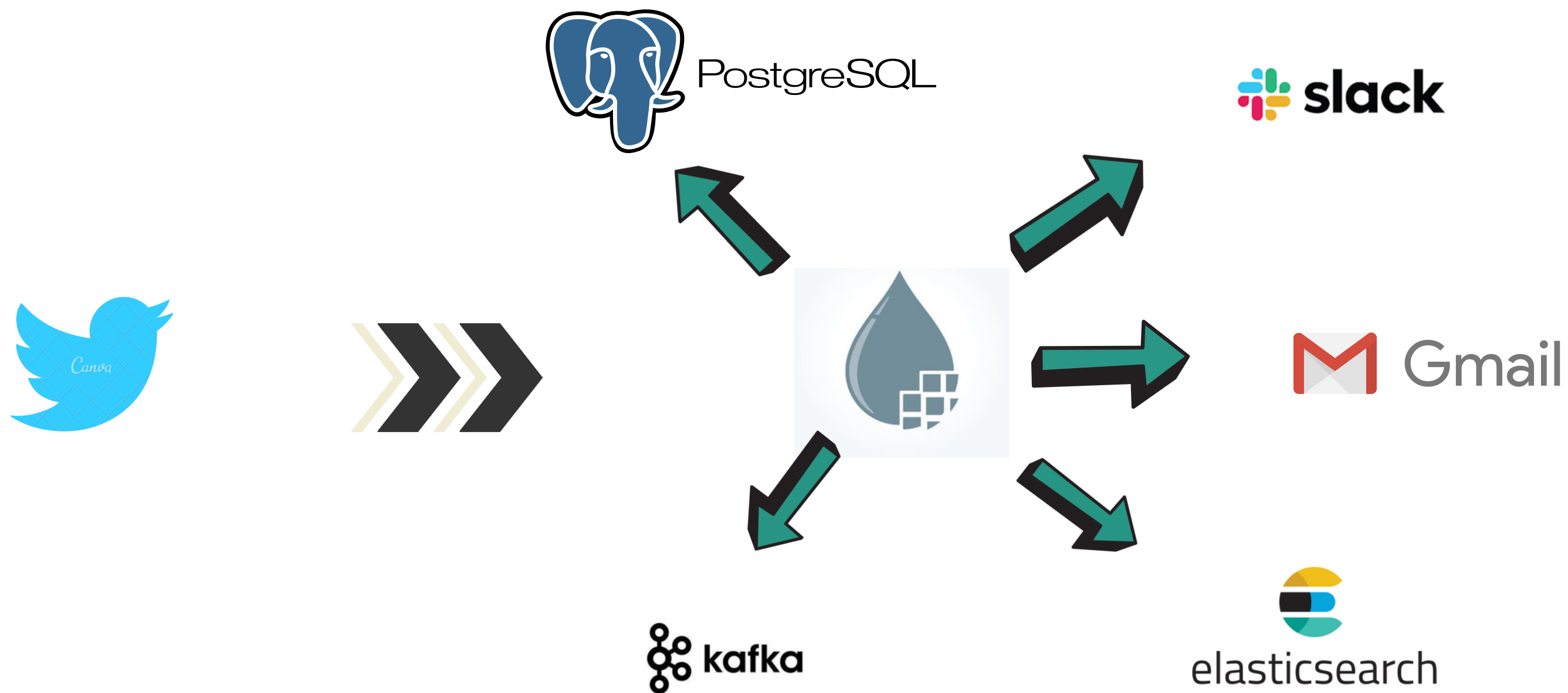
Virtual machine  
created



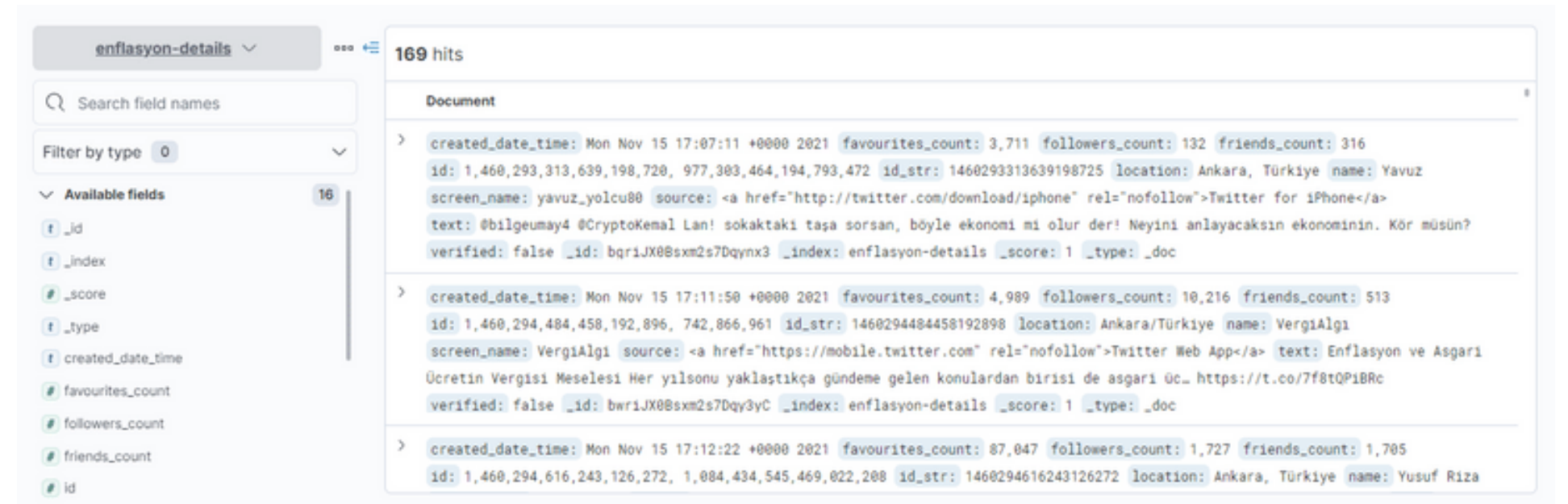
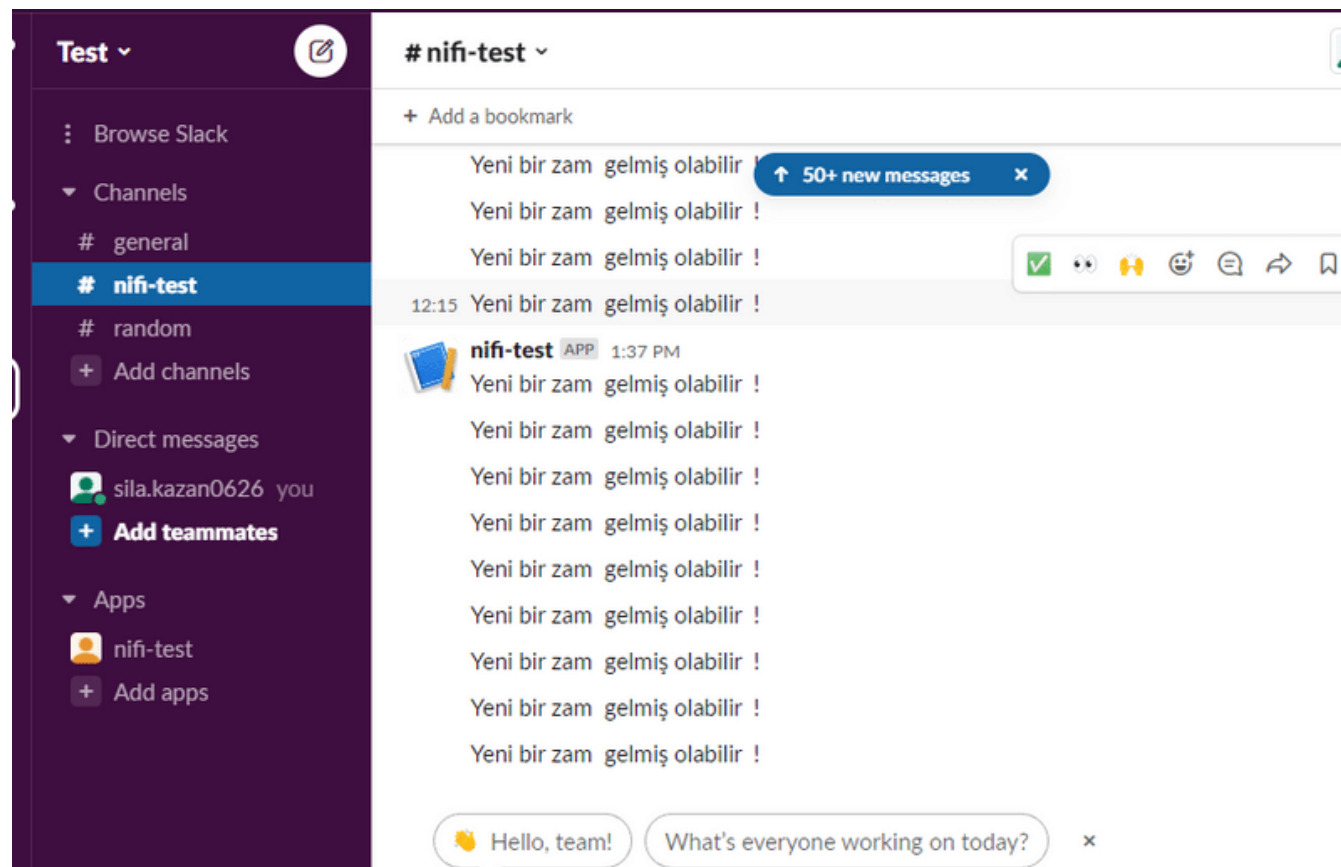
**Apache nifi**

Nifi installed  
virtual machine

# Result



# Conclusions





# Conclusions

screen_name	text	favorites_count
RT @dair_son: Madem eğitime bu kadar değer veriyorsunuz. Neden Türkiye eğitimde çok kötü ? Yoksa amacınız eğitim değil mi ? Doğru ya ekonom...		
Barcinnimaroglu		
RT @__Hypatiaa__ : 10milyar dolar çakkadanak satarım.		
+  __Hypatiaa__		
Şapırır millet, niye satıyo nasıl satıyo hani rezervi düştüktü filan derler.		
+		
Ama rezerv...		
Önceden Rock Off için falan bilet çekilişi yapardı sayfalar 180 kişiye bilet verirlerdi Arctic Monkeys için tık yok_ https://t.co/L30HpxkEDu		
deattbgasm		
RT @2727mmg: Yeni imaj yaptım kendime		
+  azzoztrk		
+		
Ekonomi profesörü falan olursam şimdiden moda gireyim		
+		
+		
Çatlak Prof Mehmet Mustafa Gürban https://...		
RT @cakrr05: FB'İ YENERSEK FULL DASSAK EKONOMİYİ SKLEMECE YENİLİRSEK ÜLKE BATIYOR SİZ HALA FUTBOL MU BU KASA İLERLİYORUZ		
halilerdg		
RT @serdar_cam: TÜRKİYE EKONOMİ'DE YENİ BİR ŞEY DENİYOR;BAŞARACAK İNŞALLAH:		
+  MetinCorapc		
*Kalkınma hamleleri güçlü siyasi liderlikle olur		
+		
*Devletime&amp; yön...		
RT @__Hypatiaa__ : Ekonomi'nin kitabını yazacağına okusaydı keşke.		
+  __Hypatiaa__		
#DolarıTL		
+		
Şimdi de Resmi Gazete'nin internet sitesi erişime kapatılmış...		
@muhalifimam Ekonomi kitabını okumuş		
Teyzir27590991		
RT @saqlikpersonel: 🟢🔴 Piyasada 3.500 TL civarında bir asgari ücret zammı konuşuluyor. Memur maaşlarına yapılan düşük oranlardaki zamlar is...		
HbyaMutlu		
kafeden anlık bildiriyorum min bes masada fiyatlar ve ekonomi tartışılıyo harbiden olmadığınız masa yok		
asnavci		

```
template1 | postgres | UTF8 | C.UTF-8 | C.UTF-8 | =c/postgres | +
(4 rows)
postgres=# sudo -u postgres psql nifi;
ERROR: syntax error at or near "sudo"
LINE 1: sudo -u postgres psql nifi;
      ^
postgres=# sudo -u postgres psql nifi
postgres=# ALTER USER postgres WITH PASSWORD '123456';
ERROR: syntax error at or near "sudo"
LINE 1: sudo -u postgres psql nifi
      ^
postgres=# sudo ALTER USER postgres WITH PASSWORD '123456';
ERROR: syntax error at or near "sudo"
LINE 1: sudo ALTER USER postgres WITH PASSWORD '123456';
      ^
postgres=# sudo -u postgres psql
postgres=# # sudo -u postgres psql
postgres=# \password postgres
Enter new password:
Enter it again:
postgres=# \l

          List of databases
  Name | Owner | Encoding | Collate | Ctype | Access privileges
-----+-----+-----+-----+-----+-----
nifi   | postgres | UTF8 | C.UTF-8 | C.UTF-8 | 
postgres | postgres | UTF8 | C.UTF-8 | C.UTF-8 | 
template0 | postgres | UTF8 | C.UTF-8 | C.UTF-8 | =c/postgres +
        |         |      |      |      | postgres=Ctc/postgres
template1 | postgres | UTF8 | C.UTF-8 | C.UTF-8 | =c/postgres +
        |         |      |      |      | postgres=Ctc/postgres
(4 rows)

postgres=# \q
postgres@istdsaproject:~$ psql
psql (12.9 (Ubuntu 12.9-0ubuntu0.20.04.1))
Type "help" for help.

postgres=# ALTER USER postgres WITH PASSWORD '123456';
ALTER ROLE
postgres=#
```

# Conclusions

```
2  "created_at" : "Tue Nov 16 11:27:34 +0000 2021",
3  "id" : 1460570233199112193,
4  "id_str" : "1460570233199112193",
5  "text" : "Komsusu aç yataarken tok yatıp ekonomi çok iyi diyen, Allah",
6  "source" : "<a href='\"http://twitter.com/download/android\"' rel='\"n",
7  "truncated" : true,
8  "in_reply_to_status_id" : null,
9  "in_reply_to_status_id_str" : null,
10 "in_reply_to_user_id" : null,
11 "in_reply_to_user_id_str" : null,
12 "in_reply_to_screen_name" : null,
13 "user" : {
14   "id" : 1946869436,
15   "id_str" : "1946869436",
16   "name" : "DilimSustu",
17   "screen_name" : "kalemimyazar",
18   "location" : null,
19   "url" : null,
20   "description" : "C YESILAY C",
21   "translator_type" : "none",
22   "protected" : false,
23   "verified" : false,
24   "followers_count" : 1359,
25   "friends_count" : 160,
26   "listed_count" : 2,
27   "favourites_count" : 42993,
28   "statuses_count" : 11697,
29   "created_at" : "Tue Oct 08 13:07:56 +0000 2013",
30   "utc_offset" : null,
31   "time_zone" : null,
32   "geo_enabled" : true,
33   "lang" : null,
34   "contributors_enabled" : false,
35   "is_translator" : false,
```

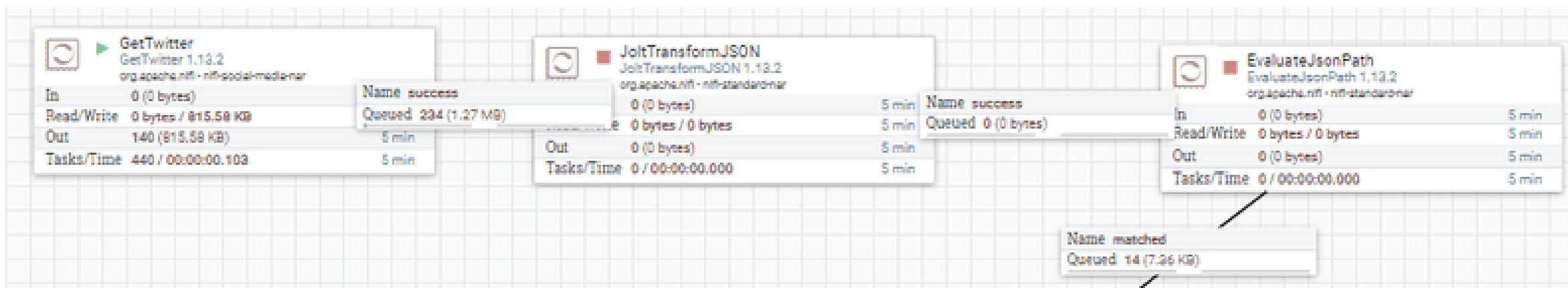
View as: formatted

```
1 {
2   "created_date_time" : "Tue Nov 16 11:27:09 +0000 2021",
3   "id" : [ 1460570127280267269, 1444431908595773441 ],
4   "id_str" : "1460570127280267269",
5   "text" : "RY @medyaadami: Erdoğan'ın ekonomi kitabının ilk sayfasını okuyorum\n\nİstanbul Havalimanı'nı devletten 1 kuruş almadan 10 milyar Euro'ya yap-",
6   "source" : "<a href='\"http://twitter.com/download/android\"' rel='\"nofollow\">Twitter for Android</a>",
7   "name" : "Aydın Yılmaz",
8   "screen_name" : "Aydnylm01",
9   "location" : null,
10  "verified" : false,
11  "followers_count" : 9,
12  "friends_count" : 21,
13  "favourites_count" : 1362,
14  "lang" : null
15 }
```

Filename: 93bda301-654d-4a6c-ab1e-55a5b581a2d  
Content Type: applicatio

Filename: 93bda301-654d-4a6c-ab1e-55a5b581a2d  
Content Type: applicatio

İstanbul Havalimanı'nı devletten 1 kuruş almadan 10 milyar Euro'ya yap-",  
tter for Android</a>",



# Future work



Twitter sentiment analysis



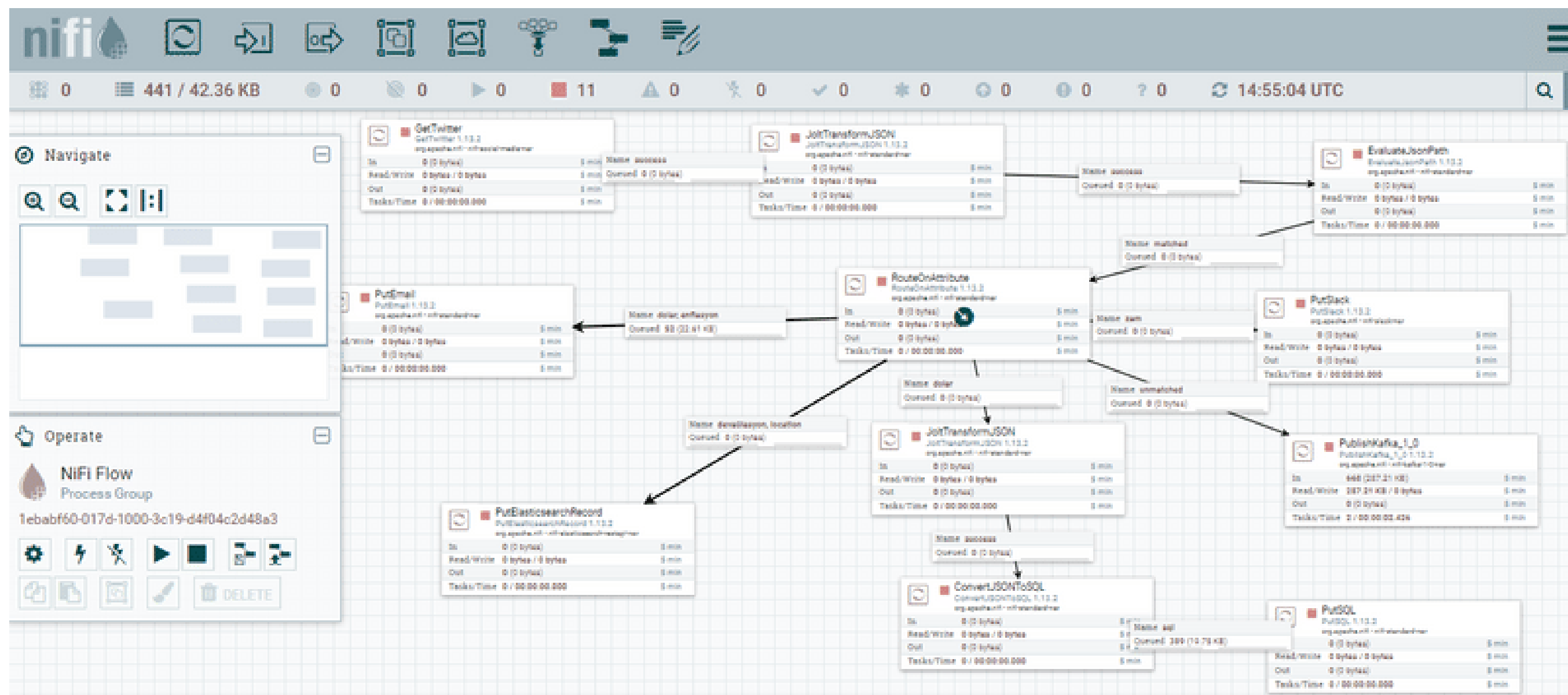
Real-time reports can be prepared



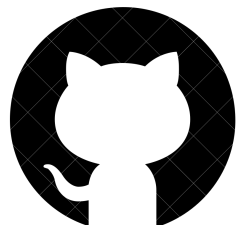
The transformation of the system starting from  
Kafka into a big data project



# Appendix



# Thank you ...



**Github**

[github.com/silakazan](https://github.com/silakazan)



**Medium**

[silakazan0626.medium.com](https://silakazan0626.medium.com)



**Linkedin**

[silakazan](https://www.linkedin.com/in/silakazan)