

Implementasi MQTT Dalam Mengetahui Update Film

by:kelompok
connect



Halo

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Apa itu MQTT

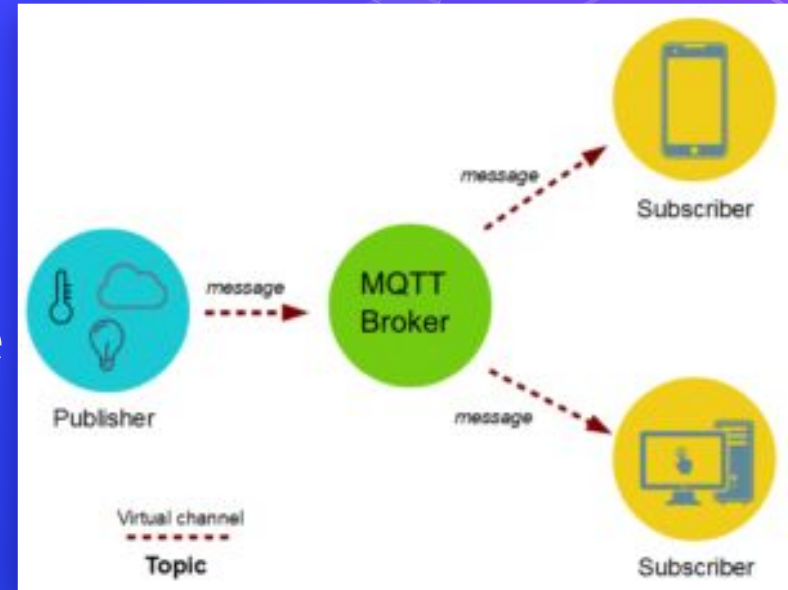
Message Queuing
Telemetry Transport



“ protokol yang berjalan diatas stack TCP/IP dan dirancang khusus untuk machine to machine yang tidak memiliki alamat khusus.

Bagaimana MQTT bekerja?

Sistem kerja MQTT menerapkan **Publish** dan **Subscribe**



1. Publisher

Mengirim data ke broker

```
*pubfix.py - C:\Users\iyosa\AppData\Local\Programs\Python\Python37-32\tubs\tubsagain\pu...
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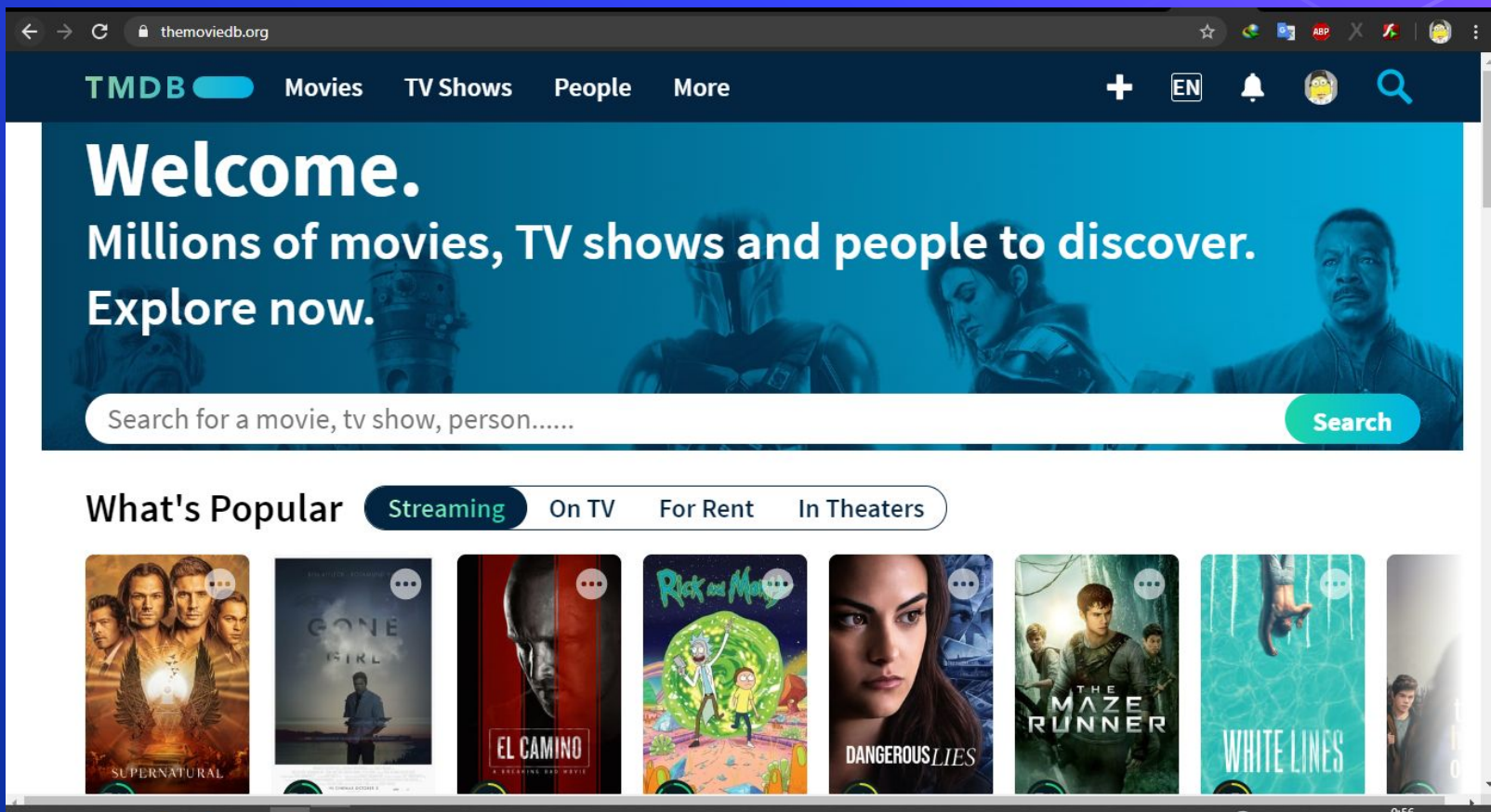
import requests# untuk melakukan panggilan API TheMovieDB
import paho.mqtt.client as mqtt #library paho untuk koneksi MQTT
import json#library json
def on_publish(pub, userdata, message):# Dipanggil ketika pesan telah dikirim
    print("film: ")
pub = mqtt.Client() #constructor
pub.on_publish = on_publish
pub.connect("mqtt.eclipse.org", 1883, 60)#broker dan port
print("Jalankan pub")
requ = requests.get("https://api.themoviedb.org/3/movie/upcoming?api_key=baca93b3")
data = requ.json()#memilih data
film = data["results"]
skip = "#####"
print("Publisher mengirim pesan")

for i in film:

    pub.publish("judul", i["title"])
    pub.publish("tanggalrilis", i["release_date"])
    pub.publish("popularity", i["popularity"])
    pub.publish("skip", str(skip))

#mengirim data ke broker
```





2.Subscriber

Menerima data dari broker

```
*subfix.py - C:\Users\iyosa\AppData\Local\Programs\Python\Python37-32\tubs\lat\subfix.py (...)
```

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```
import requests
import paho.mqtt.client as mqtt#library paho untuk koneksi MQTT

def on_connect_sub(client, userdata, flags, rc):#fungsi untuk subscribe ke MQTT b:
    print("Subscriber connected with result code "+str(rc))

    client.subscribe("judul")
    client.subscribe("tanggalrilis")
    client.subscribe("popularity")
    client.subscribe("skip")
    #topik subscriber

def on_message_sub(client, userdata, msg):#ketika pesan telah diterima dan di tam:
    print("film yang akan keluar: "+msg.topic+" "+msg.topic+" "+str(msg.payload))

sub = mqtt.Client()
sub.on_connect = on_connect_sub
sub.on_message = on_message_sub

sub.connect("mqtt.eclipse.org", 1883, 60)#broker dan port
while True:
    sub.loop_forever()
```



Kesimpulan

- ⬡ MQTT -> publisher, broker, subscriber
- ⬡ **Topic->publisher, subscriber**

Thanks!

Any questions?

