SNS COLLEGE OF TECHNOLOGY

Coimbatore-35
An Autonomous Institution

Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A++' Grade
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

II YEAR/ IV SEMESTER

19ECT213 – IoT SYSTEM ARCHITECTURE

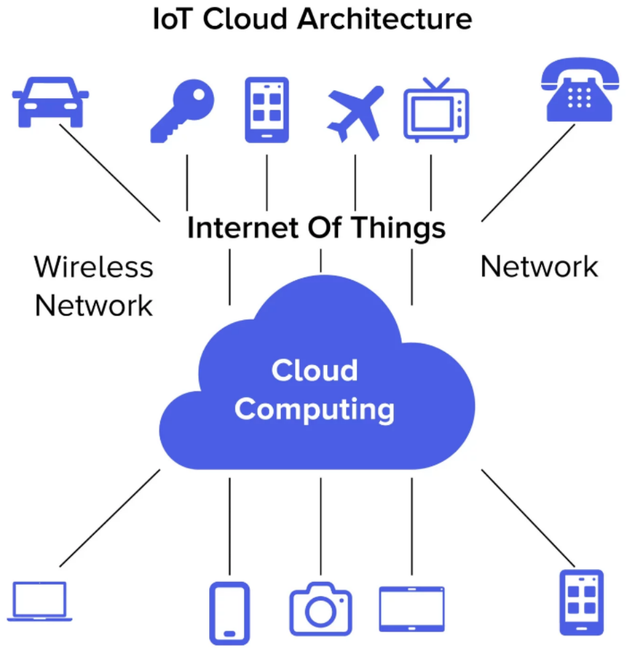
UNIT-4: CLOUD PLATFORMS FOR IoT

TOPIC-CLOUD SERVICES: IFTTT STUDY OF IoT CLOUD PLATFORMS

Source: Google Play Store

CLOUD SERVICES

An IoT cloud is a massive network that supports IoT devices and applications. This includes the underlying infrastructure, servers and storage, needed for real-time operations and processing.



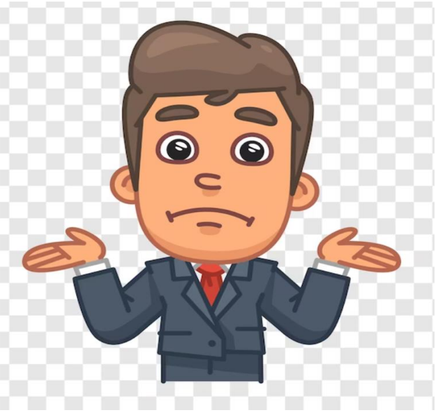
Source: Google Play Store

IF...ELSE...???

```
name = 'Jason'
if name == 'Jason':
    print("Hello Jason, Welcome")
else:
    print("Sorry, I don't know you")
```

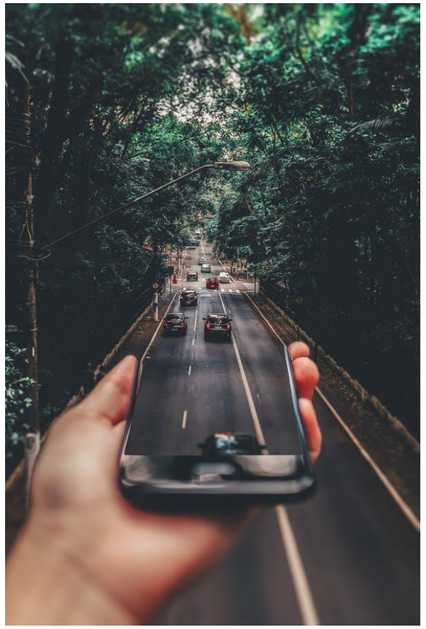
If

Else



If Location

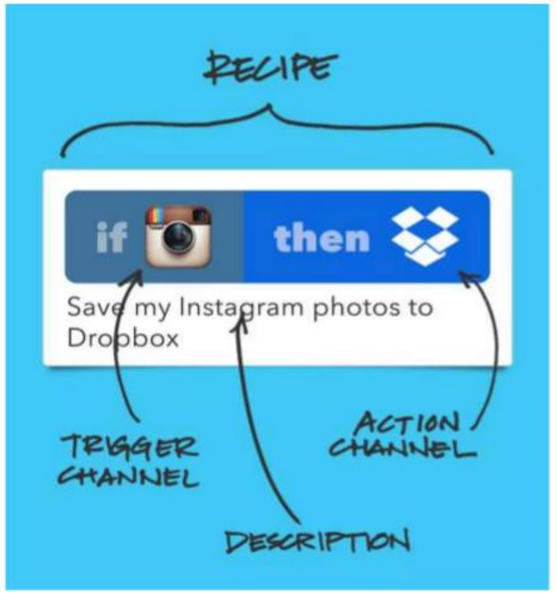
That



WHAT IS IFTTT?

- IFTTT derives its name from the programming conditional statement "if this, then that."
- Software platform that connects apps, devices and services from different developers in order to trigger one or more automations involving those apps, devices and services.
- IFTTT you can combine over 700 popular services to automate practically everything in your life.

Linden Tibbets
CEO and co-founder of ifttt.com



WHAT IS IFTTT?

Recipe

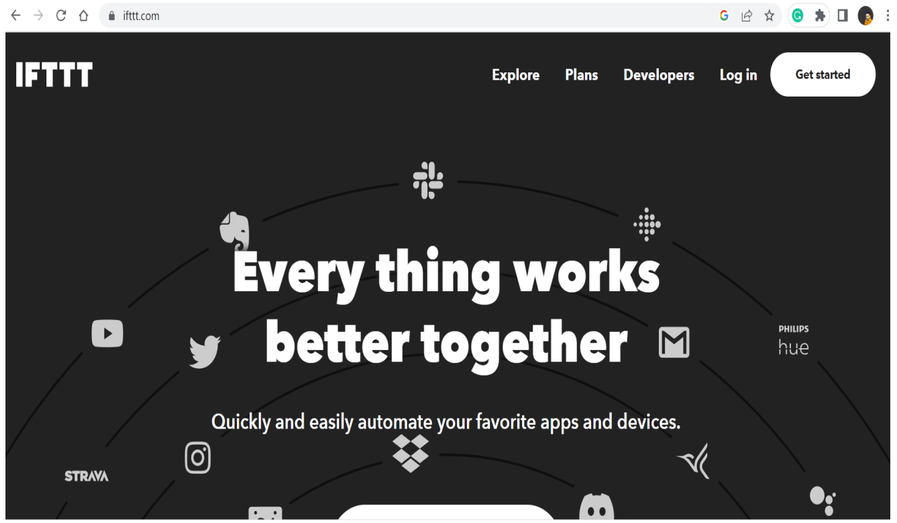
if this then that

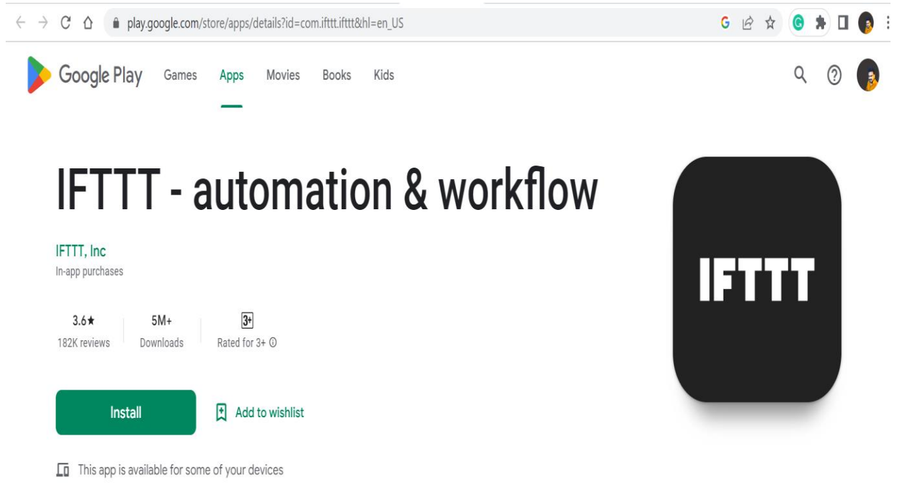
Trigger

Action

HOW IFTTT WORKS?

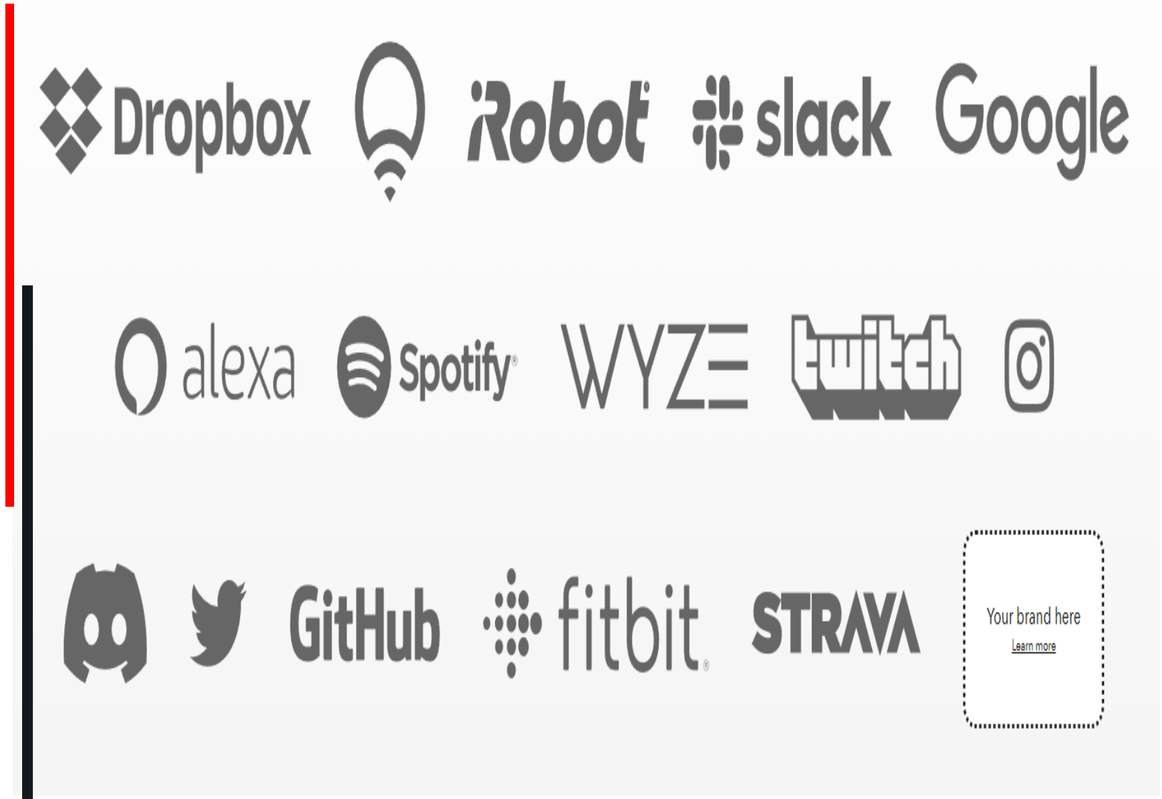
- The automations are accomplished via applets — which are sort of like macros that connect multiple apps to run automated tasks.
- You can turn on or off an applet using IFTTT's website or mobile apps (and/or the mobile apps' IFTTT widgets).
- You can also create your own applets or make variations of existing ones via IFTTT's user-friendly, straightforward interface.

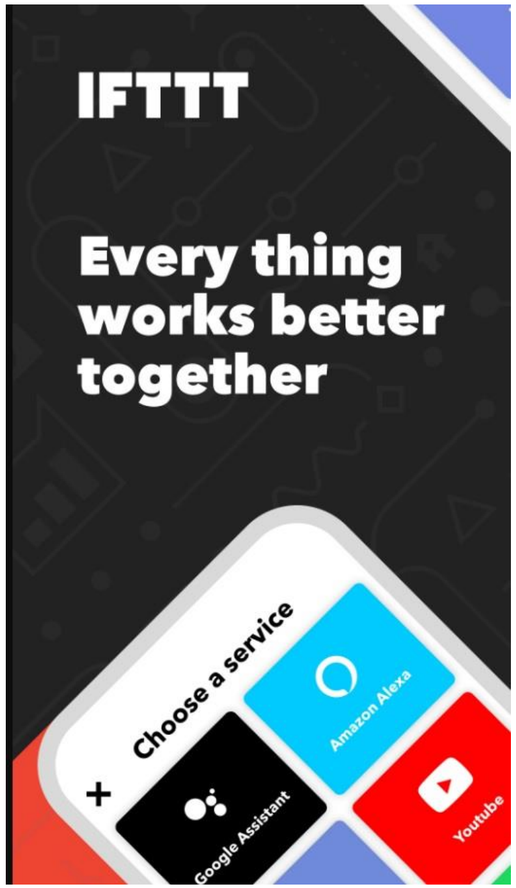


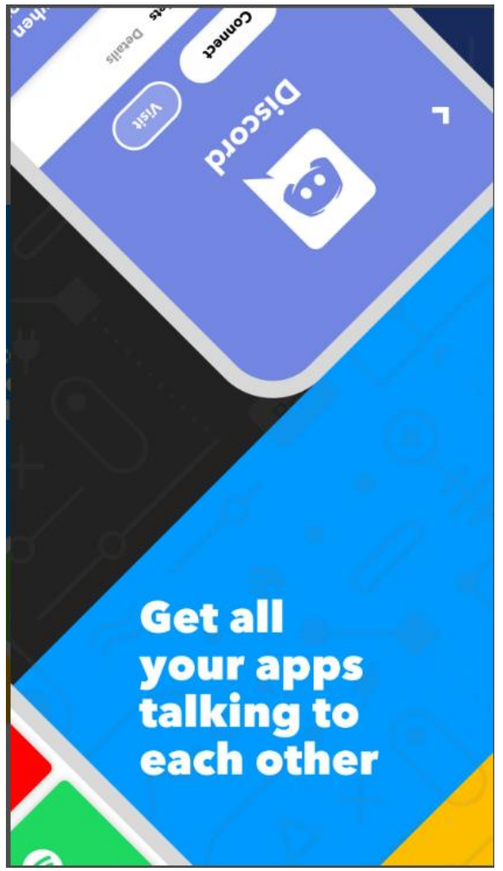


GETTING STARTED WITH IFTTT

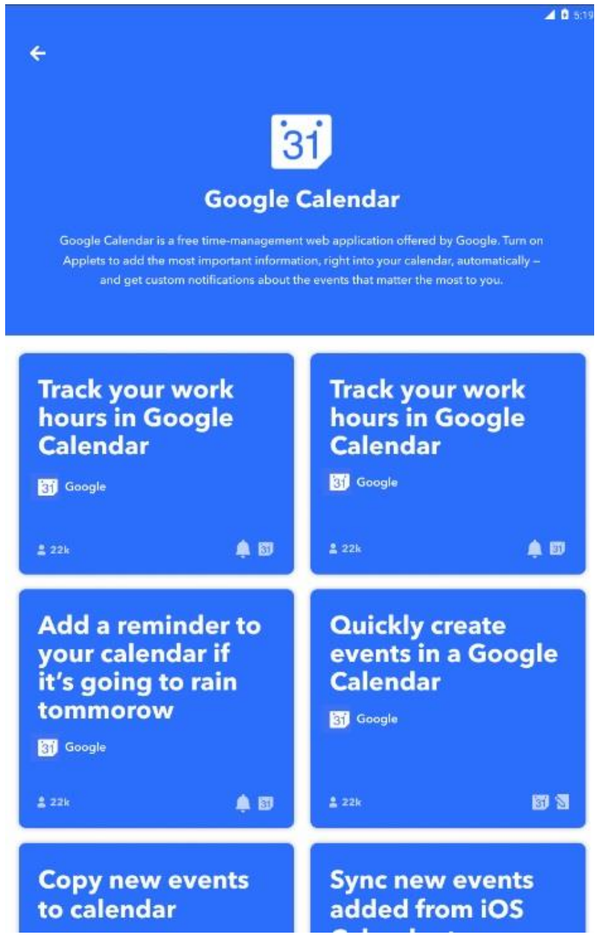
- Download the mobile app (for Android here or for Apple's iOS here) create a free account and you're up and running with automations in minutes.
- There are a bewildering array of applets available, so IFTTT helpfully provides automation recommendations for new users to try.

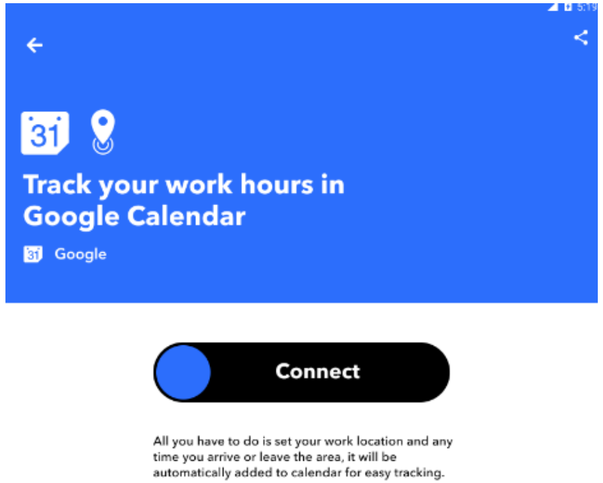






Source: Google Play Store





Source: Google Play Store

EXAMPLES

Source: ifttt.com

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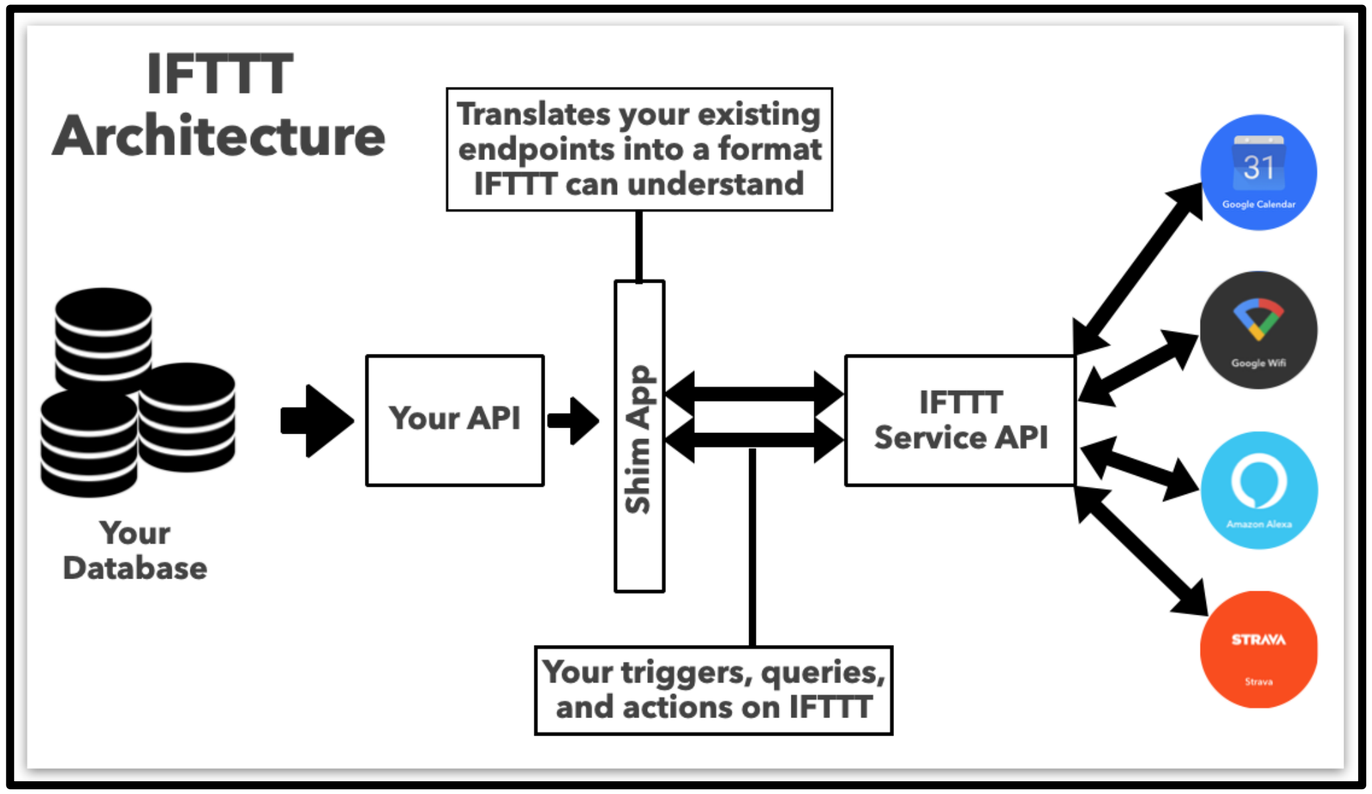
IFTTT ARCHITECTURE

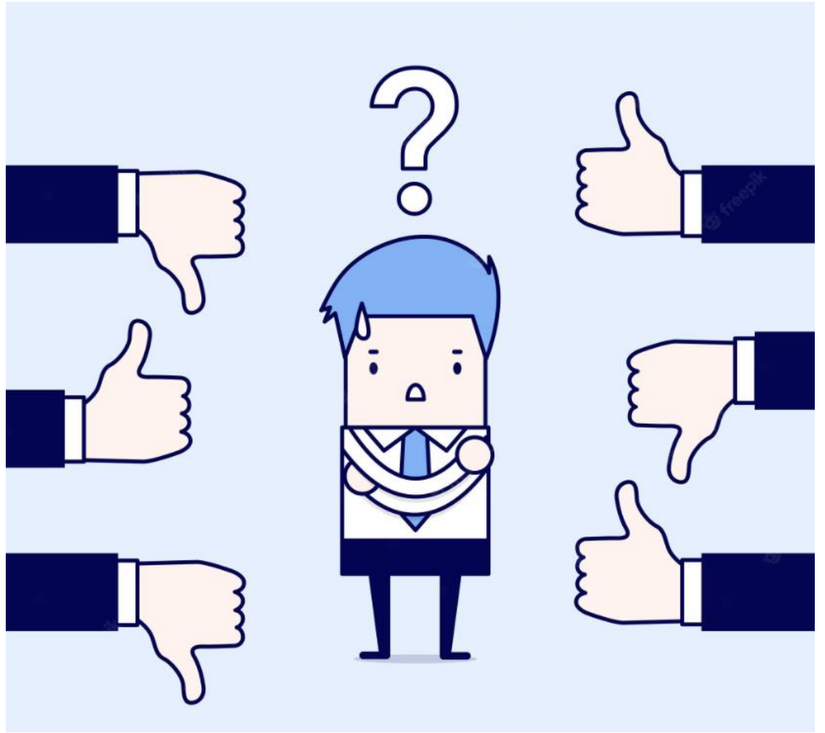


Deploy a "shim app" that sits between your API and IFTTT. This app will translate resources from your API into responses IFTTT can understand.

Source: ifttt.com

END USER FEEDBACKS

- An improved search function
- Fewer broken apps
- Pre-bundled applet suites
- Better functionality



Source: ifttt.com

THANK
YOU