

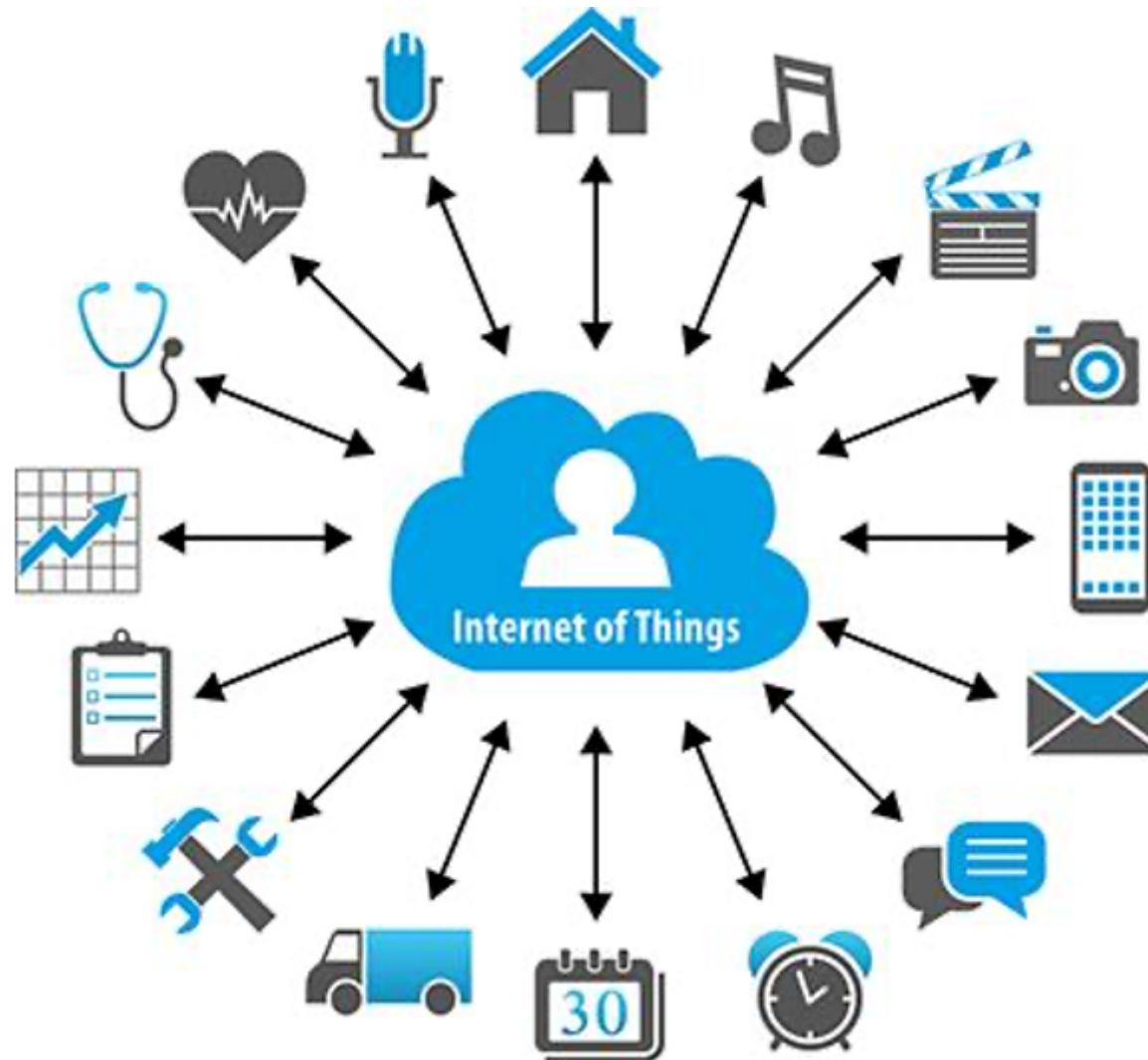
# IoT Workshop

IoTplex

19 September 2020

Alireza Abdeslah

# What is The Internet of Things?

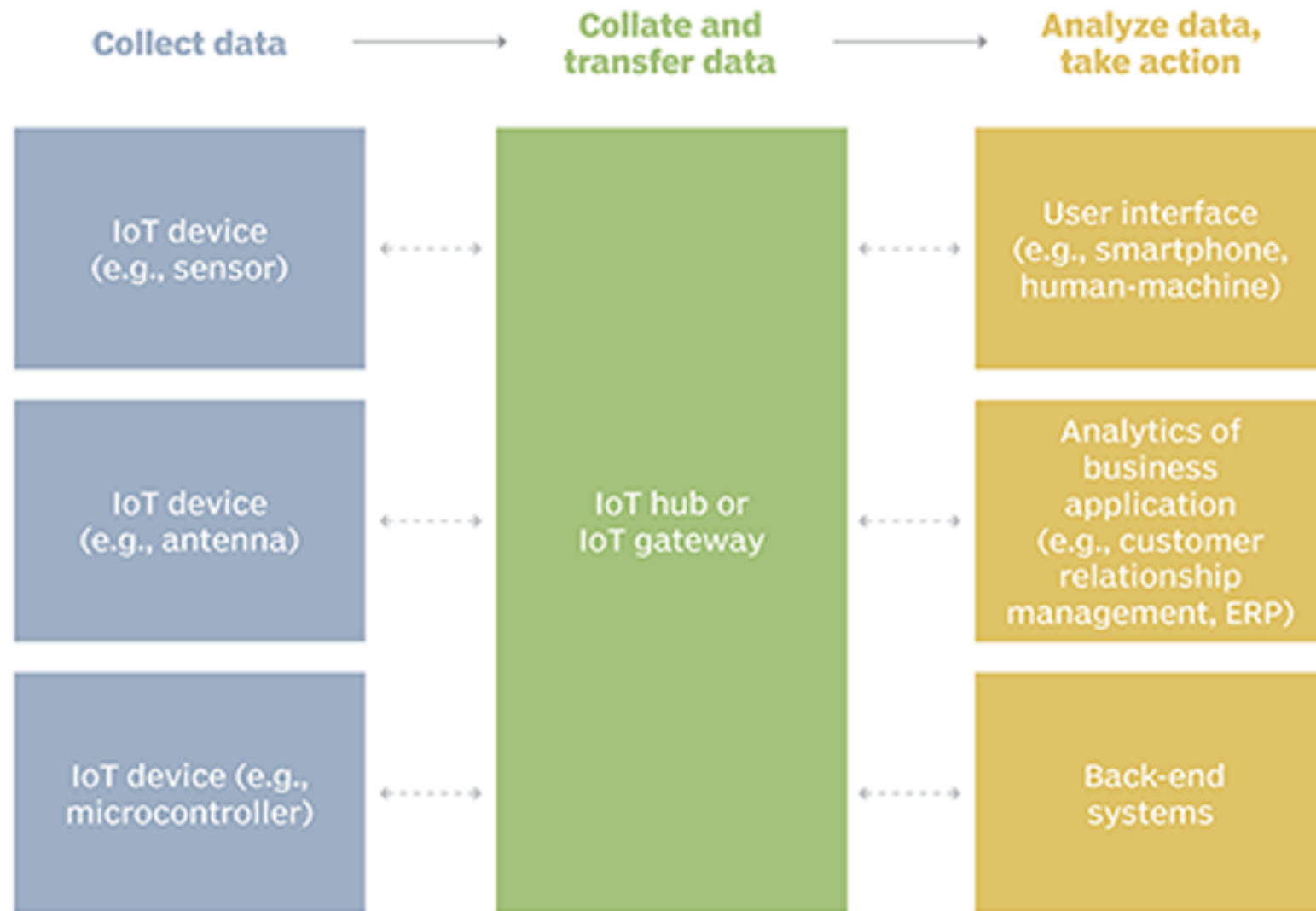


# Application of the Internet of Things

According to Wikipedia Application of the Internet of Things:

- Environmental monitoring
- Infrastructure management
- Manufacturing
- Energy management
- Medical and healthcare
- Building and home automation
- Transportation
- Metropolitan scale deployments
- Consumer application

# IoT Architecture



# IoT Architecture

- IoT Device
- IoT Device Host (IoT Gateway)
- IoT Application

# IoT Device

- ESP8266 & ESP32
- NRF5x
- Mediatek Linkit
- Samsung Artik
- Particle

# IoT Gateway

- LoRa
- WiFi
- Bluetooth
- NB-IoT
- Cellular network

# IoT Platform

- Mainflux
- Blynk
- Thingsboard
- Kaa Project
- Gobot
- ...



# IoT Messaging Protocols

- Mqtt
- Ntas
- rest
- ...

## More Resource

<https://github.com/HQarroum/awesome-iot>

<https://github.com/phodal/awesome-iot>

<https://github.com/nebgnahz/awesome-iot-hacks>

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# Thank you

Alireza Abdeshah

[eMicro.ir@Gmail.com](mailto:eMicro.ir@Gmail.com) (mailto:eMicro.ir@Gmail.com)

<http://iotplex.ir/> (http://iotplex.ir/)

[@eMicro](http://twitter.com/eMicro) (http://twitter.com/eMicro)

