

# Huge Rise in IoT Testing

- A Big Challenge



## Internet of Things (IoT)

It refers to a network of devices, buildings, Physical objects and other items that are connected via software, sensors, and servers so that data could be collected and exchanged.

Approximately 8.4 billion things were connected in 2017 & this figure is expected to rise to 20.4 billion things by 2020.

### TESTER'S CHALLENGES

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#### IOT COMMUNICATION PROTOCOLS

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#### IOT SECURITY THREATS

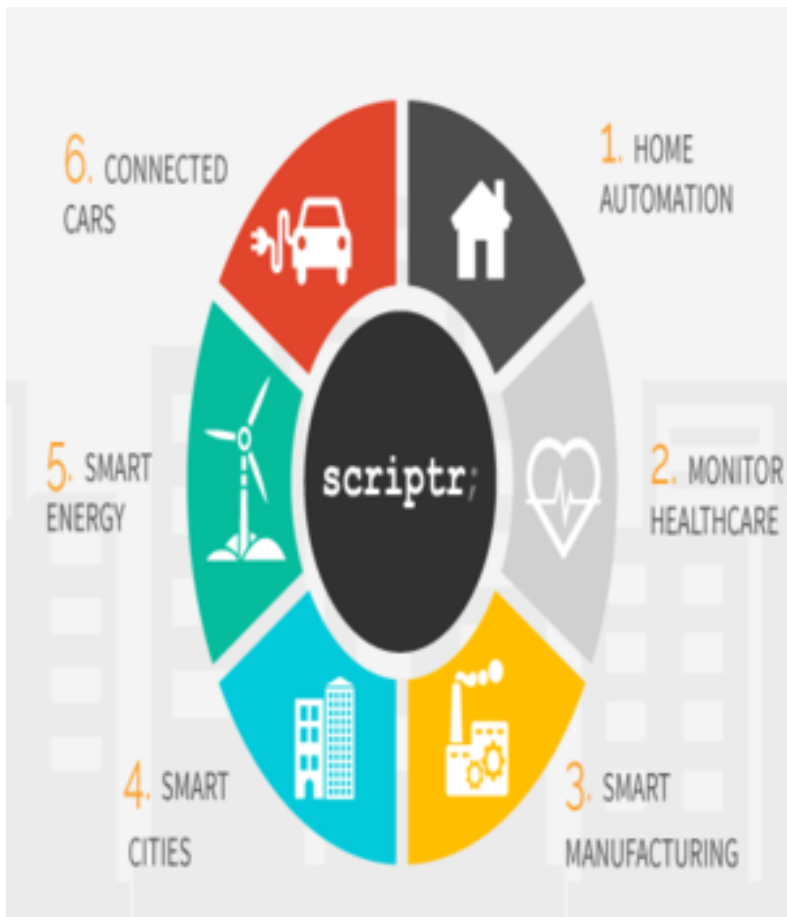
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#### TOO MANY HARDWARE & SOFTWARE REQUIRED

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#### BIG DATA TESTING

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*IoT Powered apps are exciting for users but challenging for testers.*

## *Real life scenarios of IoT*

Smartphone app, alarming you regarding a door lock you left open in your office.

Have you ever parked your car in a smart parking system that continuously checks the vehicles entering and leaving & indicates you via application if a slot is available? That's IoT!

### Tools for IoT Software testing

- SmartBear
- TCP Dump
- MQTT Spy