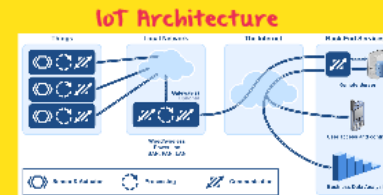




**The Cost**  
 For all these conveniences, we are paying the price of our security.

### INFRASTRUCTURE: CLOUD

- DDoS attacks
- Unknown backdoor
- Brute force
- Unencrypted API
- Weak Password
- Heartbleed and Poodle Vulnerabilities



### INTERFACES:

- Cross site scripting- JavaScript attacks
- Password cracking
- SQL Injection
- URL manipulation through HTTP GET method
- OWASP's List of the Top Ten Web Vulnerabilities

### NETWORK:

### DEVICES:

- Protocol Vulnerabilities: Zigbee, CoAP
- Unencrypted API communication
- Unauthenticated or Manual Update
- Hard-coded passwords
- 32 bit devices (4096 keys)
- Linux.Dar10z
- Linux.Aidra

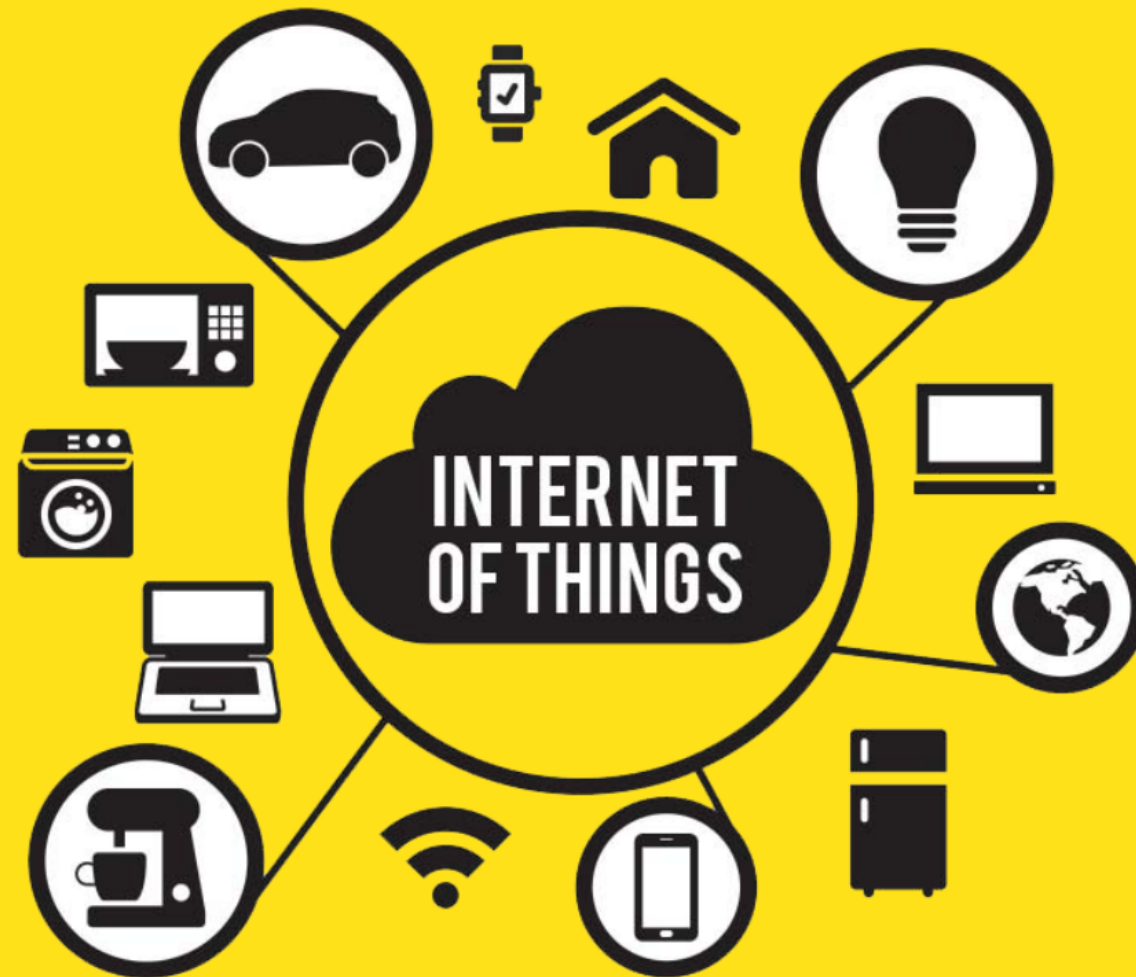


# IoT: INTERCONNECTION OF THREATS



Daniel Adebayo

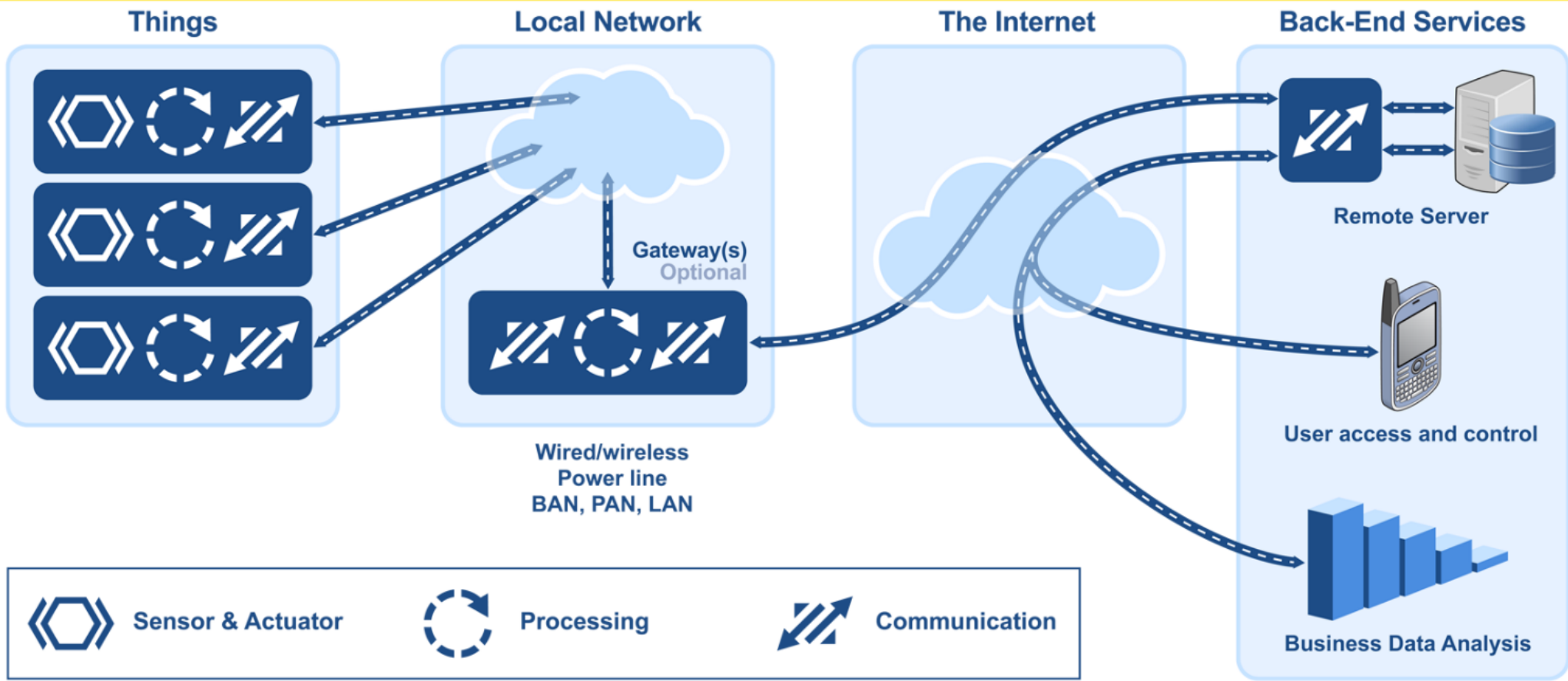
# What Is IoT?



# The Cost

For all these conveniences, we are giving up our privacy and security.

# IoT Architecture



# DEVICES:

- Protocol Vulnerabilities: Zigbee, CoAP
- Unencrypted API communication
- Unencrypted or Manual Update
- Default Pin and hard-coded passwords
- Worms: W32.Waledac (Kelihos)  
Linux.Darlloz  
Linux.Aidra

# NETWORK:

- Mis-configured Firewall rules
- Port scan
- Denial of Service
- Man-in-the-middle attacks: ARP poisoning ,  
SSLstrip,DNS spoofing
- TCP Attacks: SYN Flooding  
DHCP starvation  
Ping of Death

# INFRASTRUCTURE: CLOUD

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