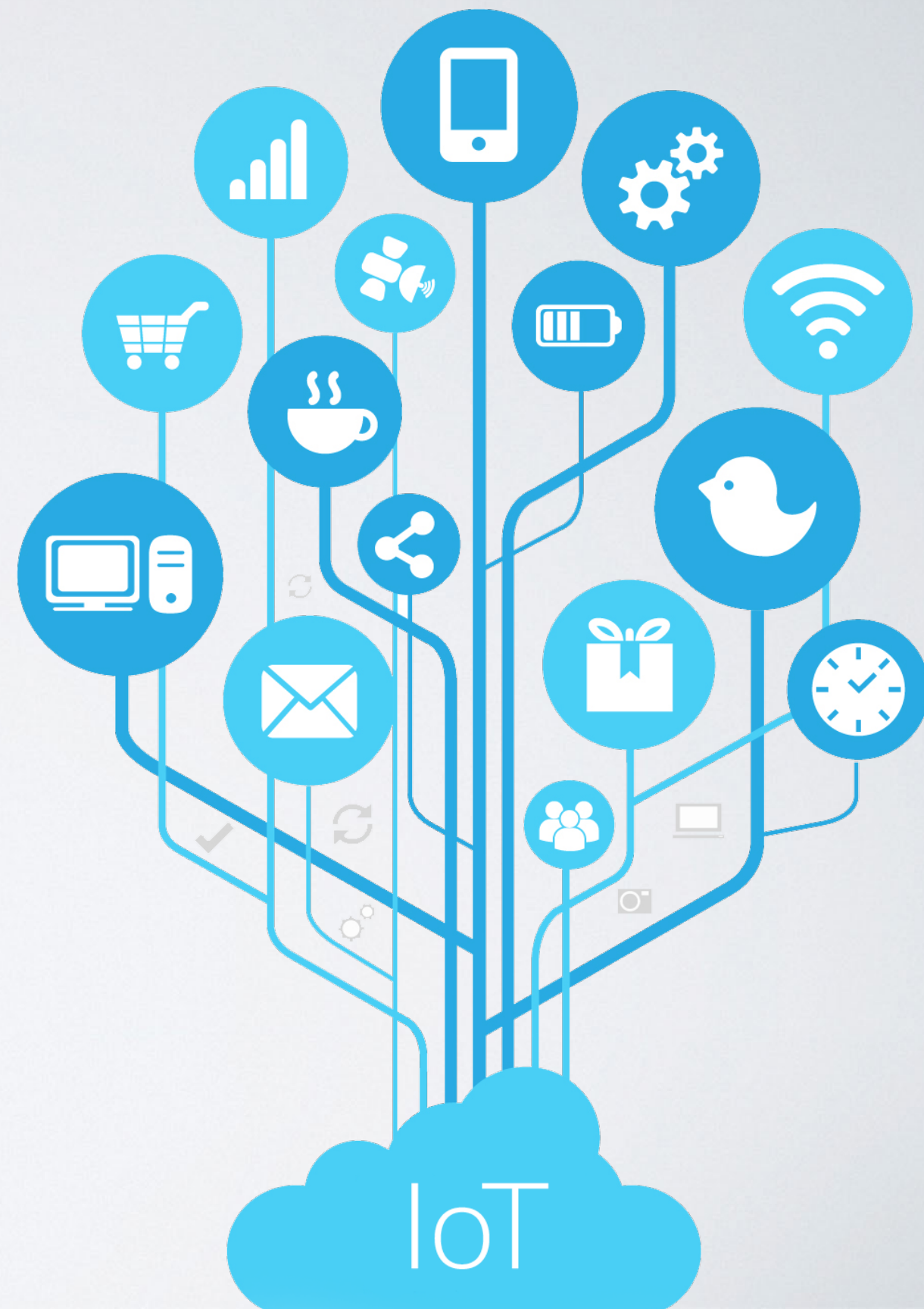


Internet of Things

Mohsen Biglari

Isfahan University of Technology

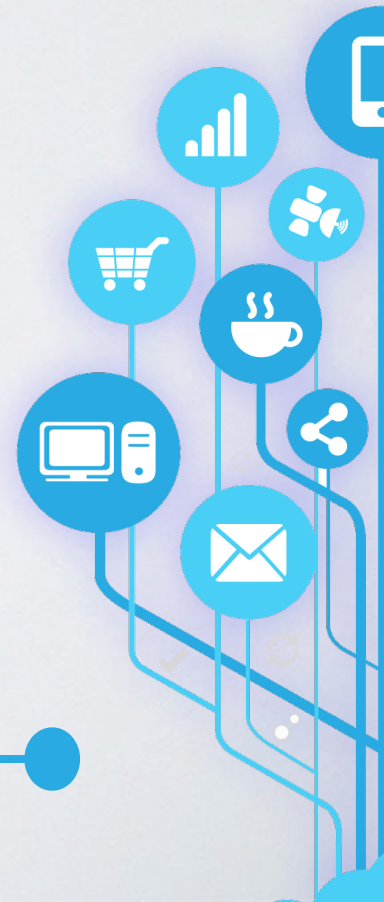
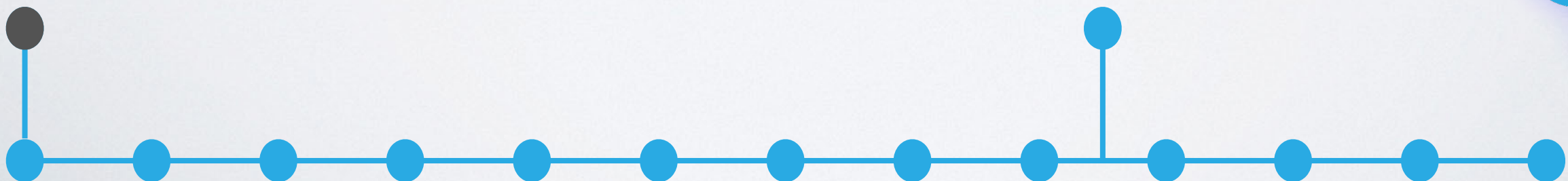


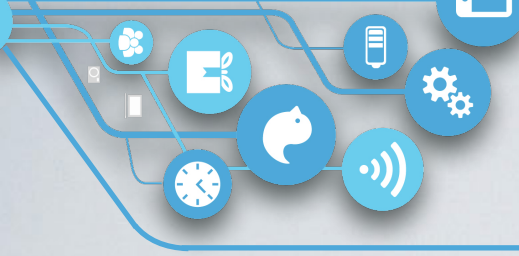


Outline



- Various Names,One Concept
- Introduction
- **IoT applications**
- Important points in IoT
- IoT team
- The IoT Market
- SensorTag

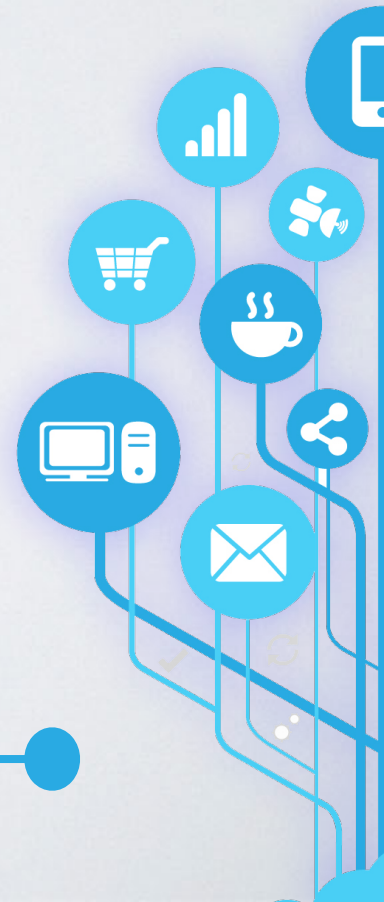
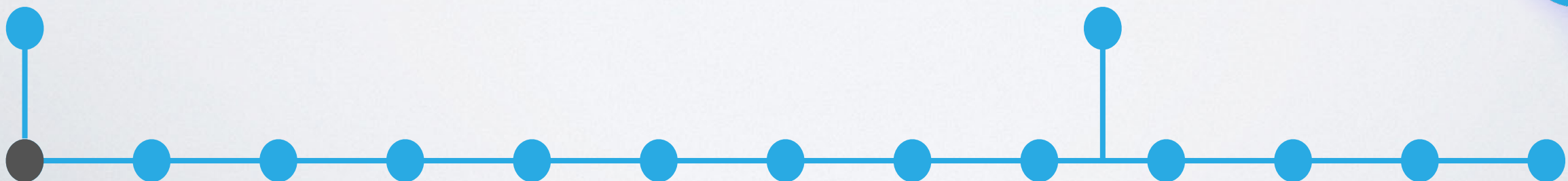




Various Names, One Concept



- M2M (Machine to Machine)
- “Internet of Everything”
- “World Size Web”
- “Skynet”

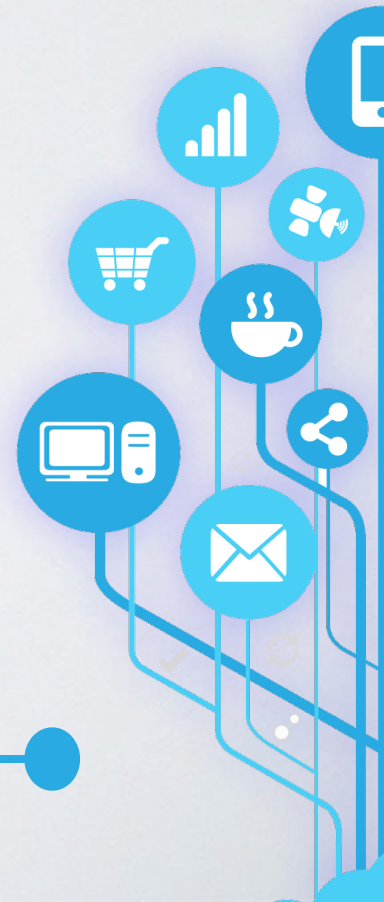
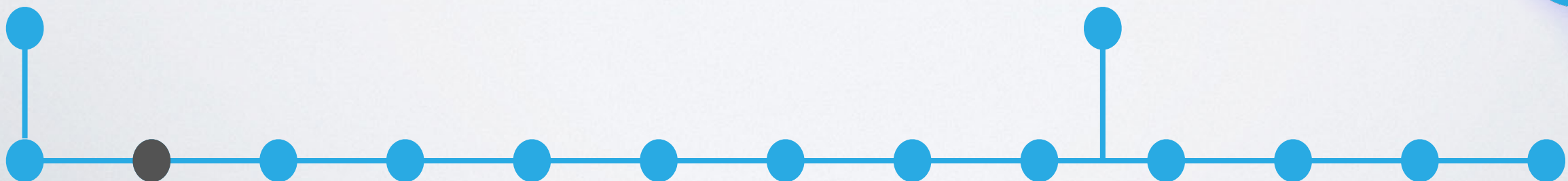




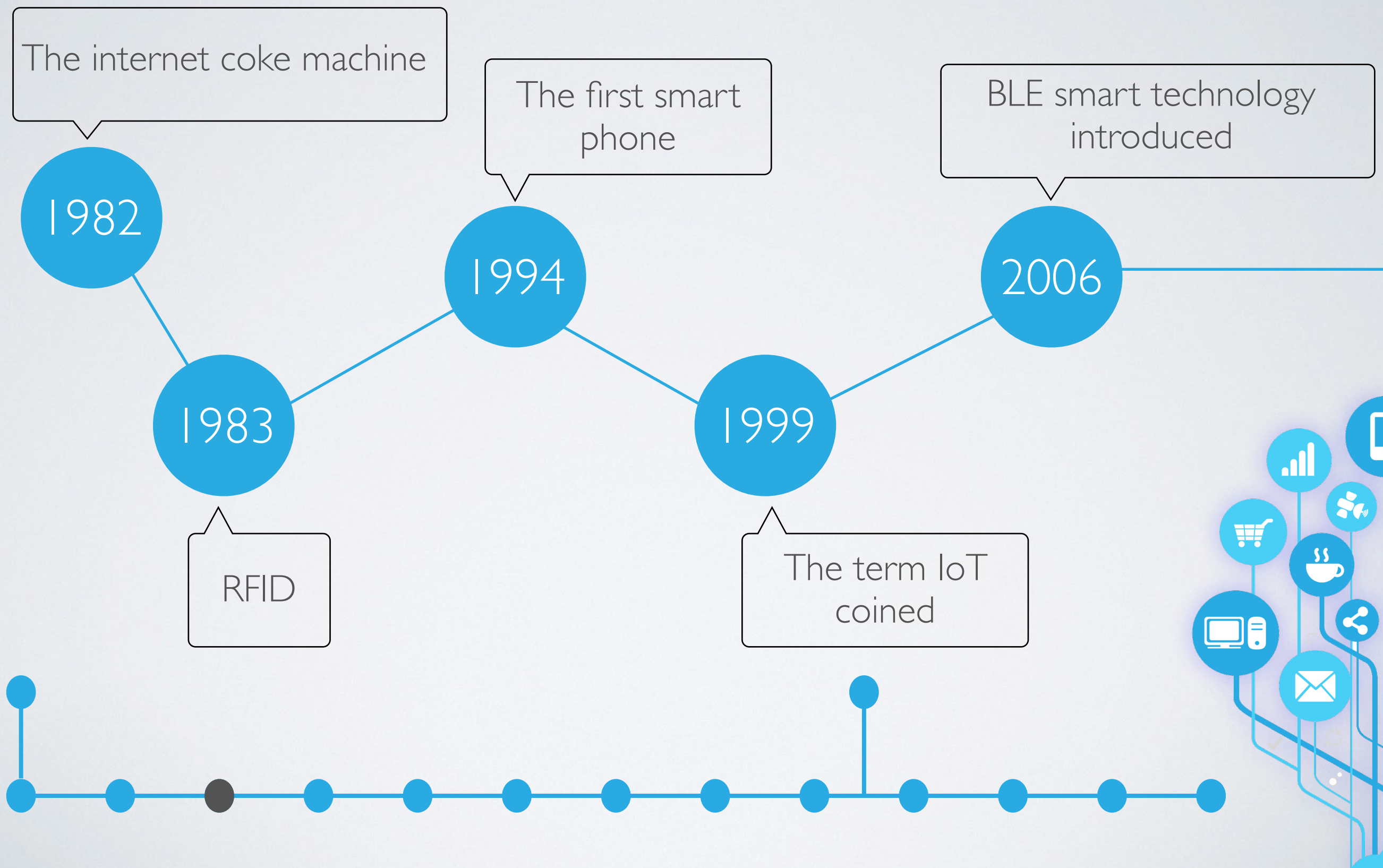
What is IoT ?



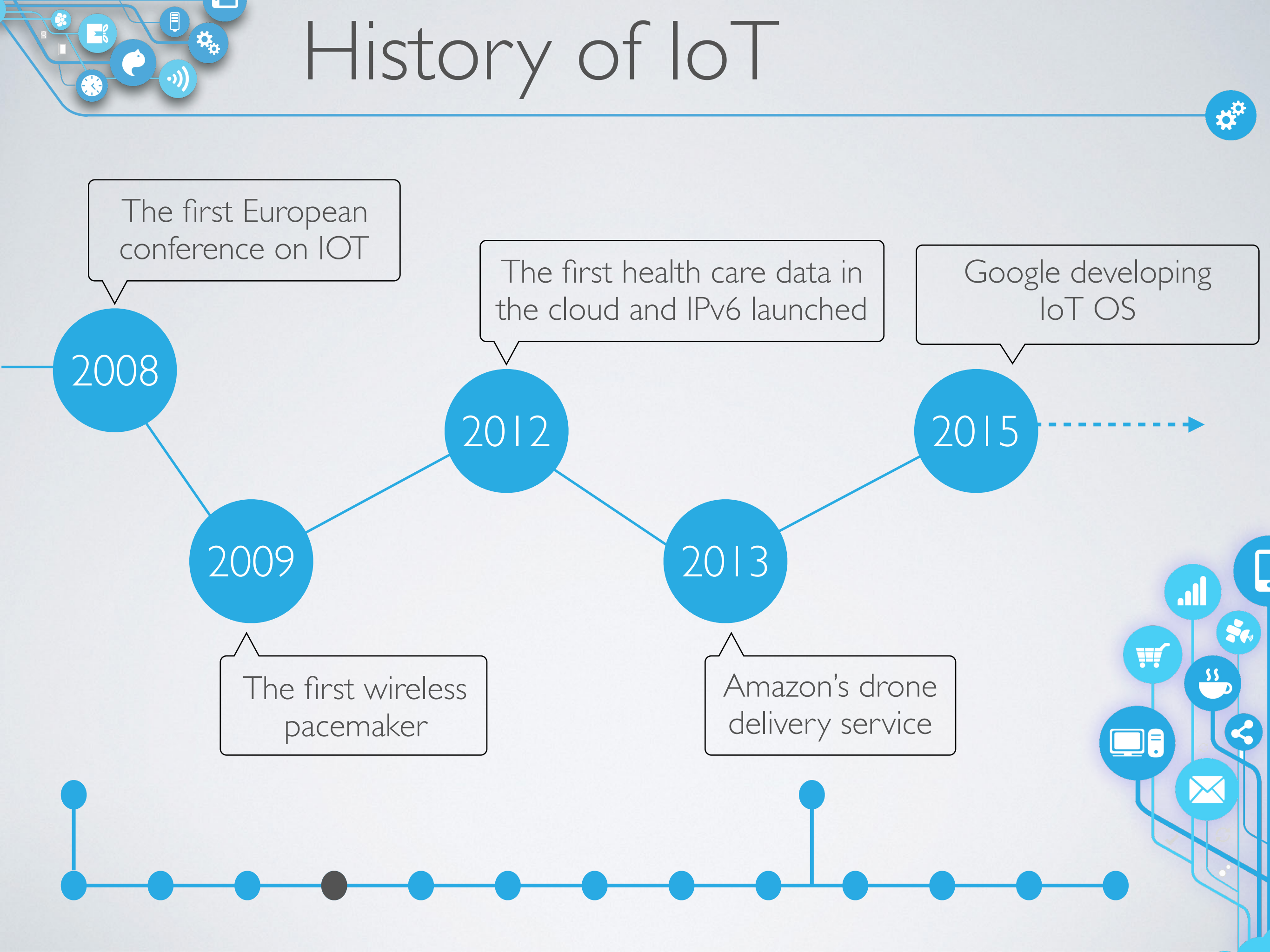
- Network of physical objects.
- Electronics, software, sensors, and network.
- Exchange data.

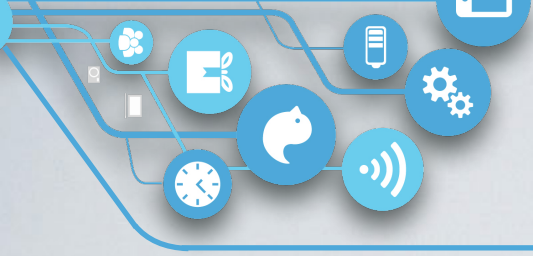


History of IoT



History of IoT



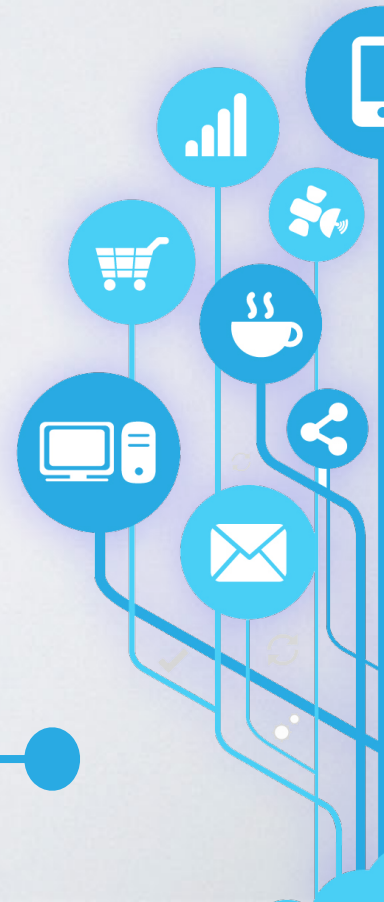
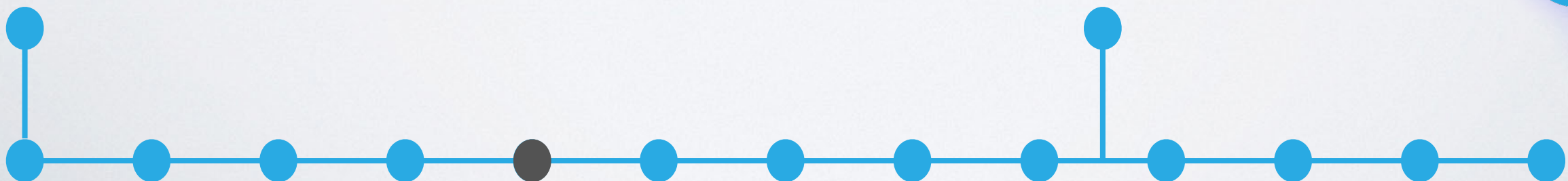


IoT Applications



- IoT in smart home
- IoT in smart city
- IoT in healthcare
- IoT in agriculture
-

Lets watch a movie!!



IoT in smart house

- Energy and water use
- Remote control appliances
- Temperature controlling and monitoring
- Light control and monitoring
-



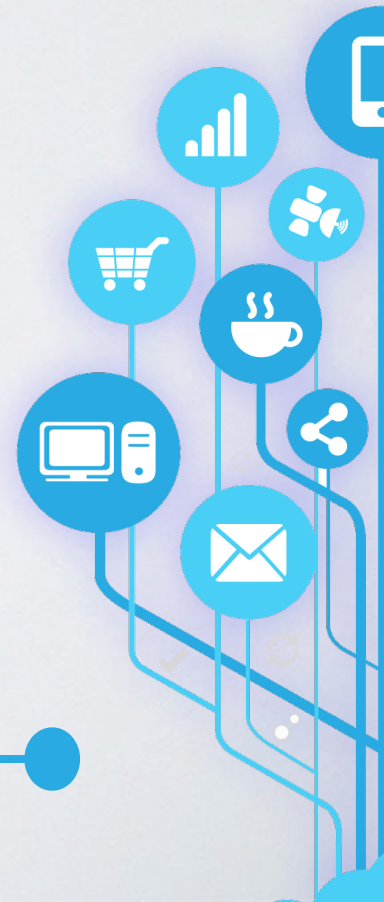
IoT in smart city

- Smart parking
- Traffic monitoring and controlling
- Smart lighting
- Traffic management
- Waste management
- Pollution monitoring and controlling
- ...



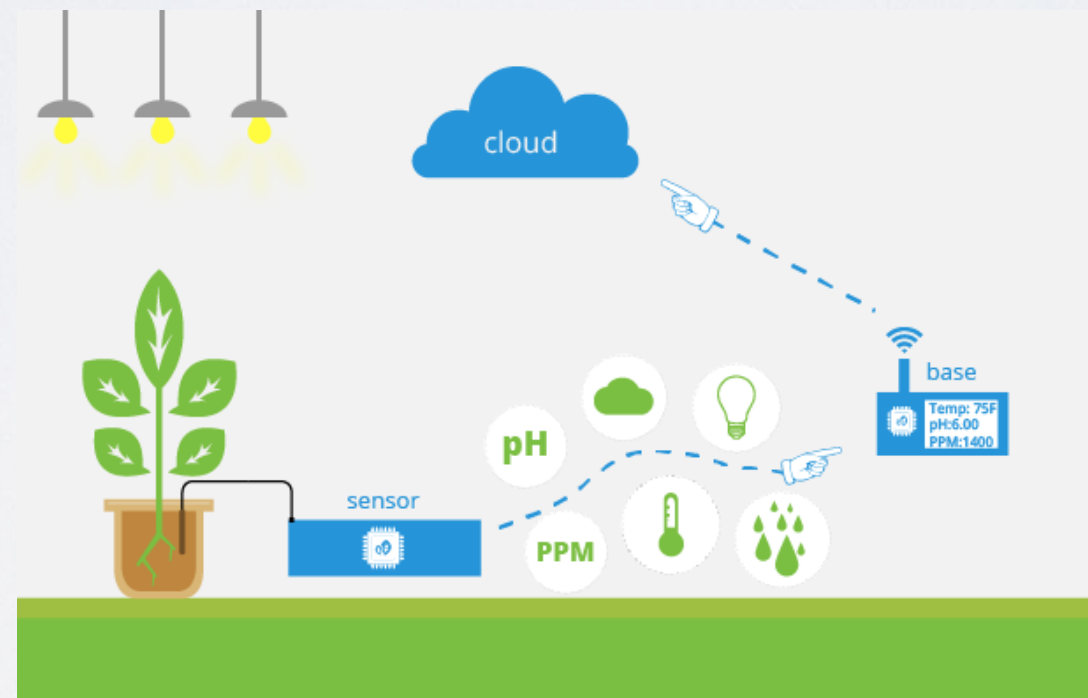
IoT in healthcare

- Body monitoring
- Smart medication reminders
- Smart ambulance
-



IoT in agriculture

- Light controlling and monitoring
- Temperature controlling and monitoring
- Smart watering
- Soil monitoring
-

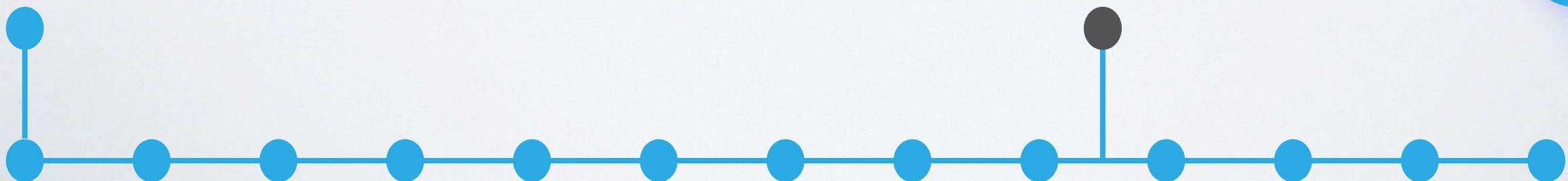




Outline



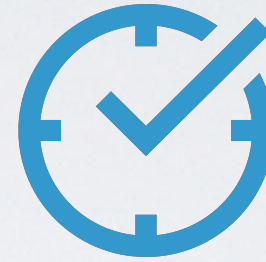
- Various Names,One Concept
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Important points in IoT



Security



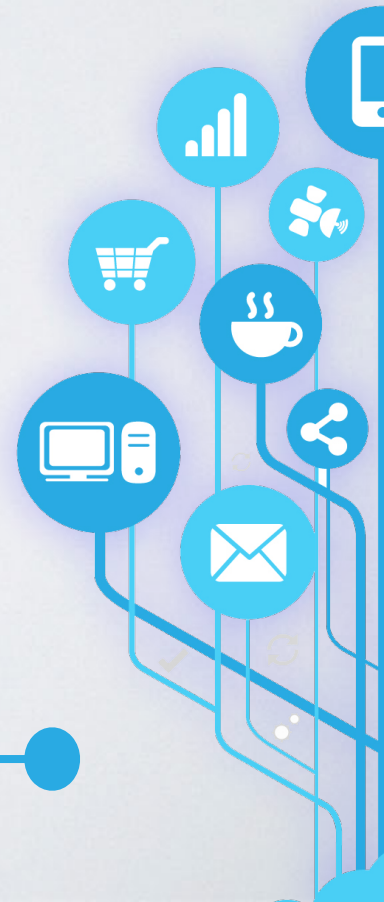
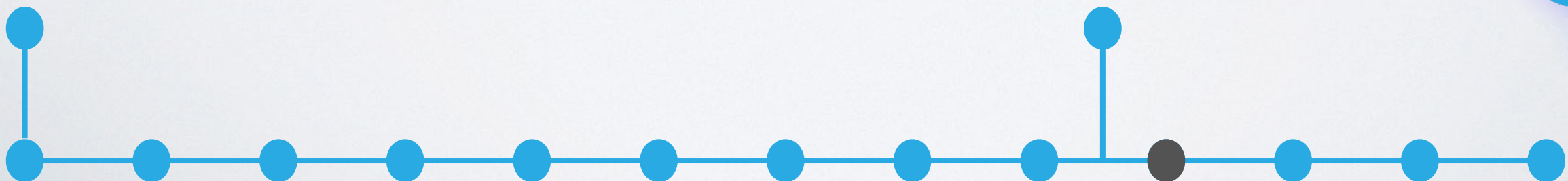
Real time

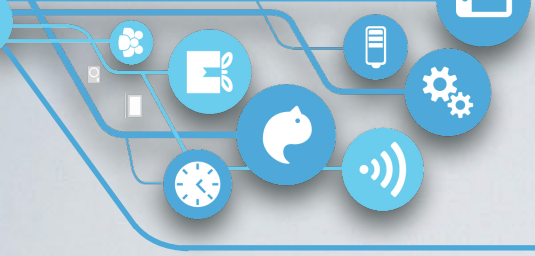


Energy efficiency



Easy to use

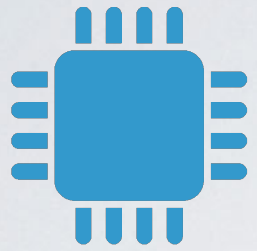




IoT team



A good IOT team have:



Hardware experts



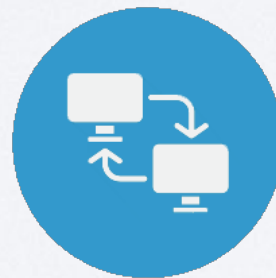
A business mans



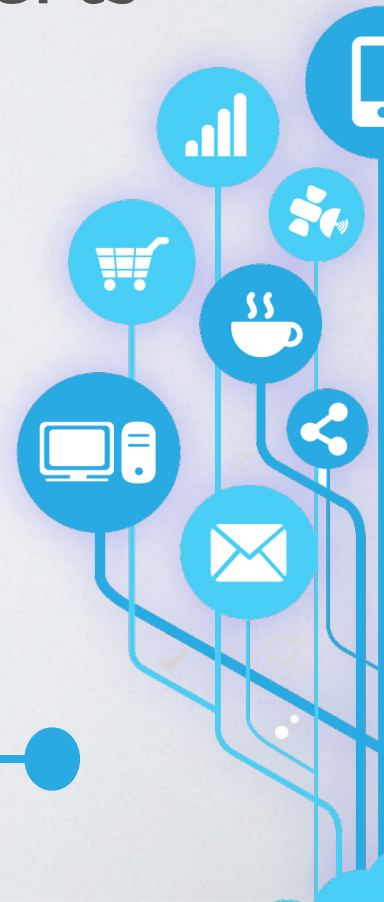
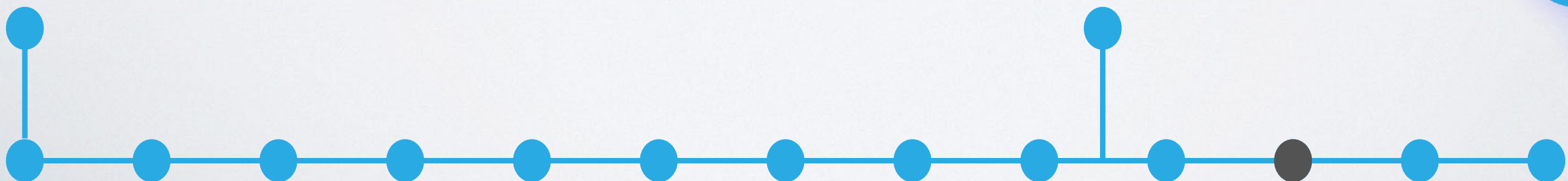
Software experts

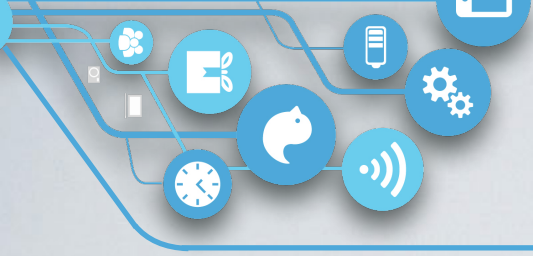


Data mining experts



IT experts





The IoT market



- LTE and 3G makes more powerful Communication platform.
- Irancell invest a lot of money for M2M platform.
- Therefore all of topics have potential work in Iran.

