

IoT Study

Things to study on IoT

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Introduction

Table of Contents

Introduction

Initial MindMap

IoT is a huge field to study we need a mind map to help us to study it. But...

What is IoT?

IoT is Internet of Things

IoT started by monitoring a vending machine (coffee maker) to a computer to know if it was worth going to the room where the machine was¹.

¹In other words if it was empty → don't go

Today IoT can be defined as

- Evolution of M2M (Machine to Machine)
- A new Paradigm on design
- Democratization of M2M
- Distributed Computing, as it's maximum exponent
- Service Oriented "Products"

But also

Synergies with:

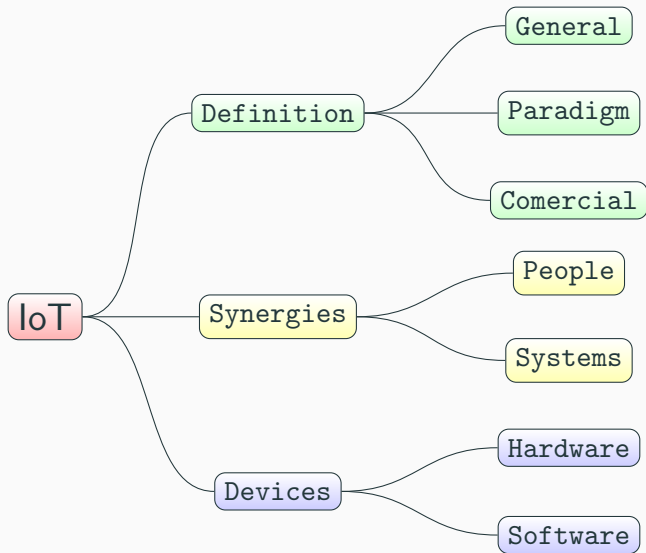
- Cloud Computing
- Machine Learning
- People
- Computer vision
- Augmented Reality
- Safety

Has Cons:

- Commercial Bluff
- Loss of service → bricks
- It is M2M, but for all
- Security issues
- Energy Consumption
- Extra network usage

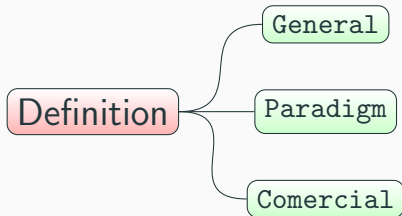
Initial MindMap

Initial Map



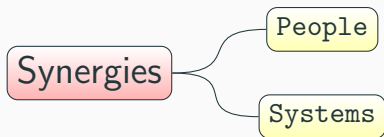
Definition

The study of the IoT definition should address the three main aspects or points of view relative to IoT



- **General:** Gather several definitions and create one summarized. This is more Technical
- **Paradigm:** Document IoT as design Methodology or Paradigm
- **Commercial:** Describe IoT from a Commercial Point of View, or How Business see IoT

IoT has connections to a several other entities, that must be studied.



- **People:** IoT Devices can help all the people. For example, fire detectors, Elders early support (by monitoring sounds)
- **Systems:** Also Devices can be used as input for cloud services, Machine learning,... . Also other Systems can be used such as BlockChain or Customer ones.