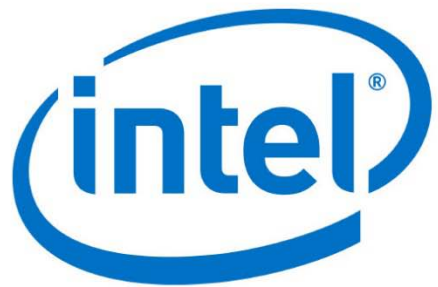


Internet of things Trends 2016



Intel® INGENUITY
PARTNER PROGRAM



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What is IoT

Internet of things, Term coined by Kevin Ashton in 1999

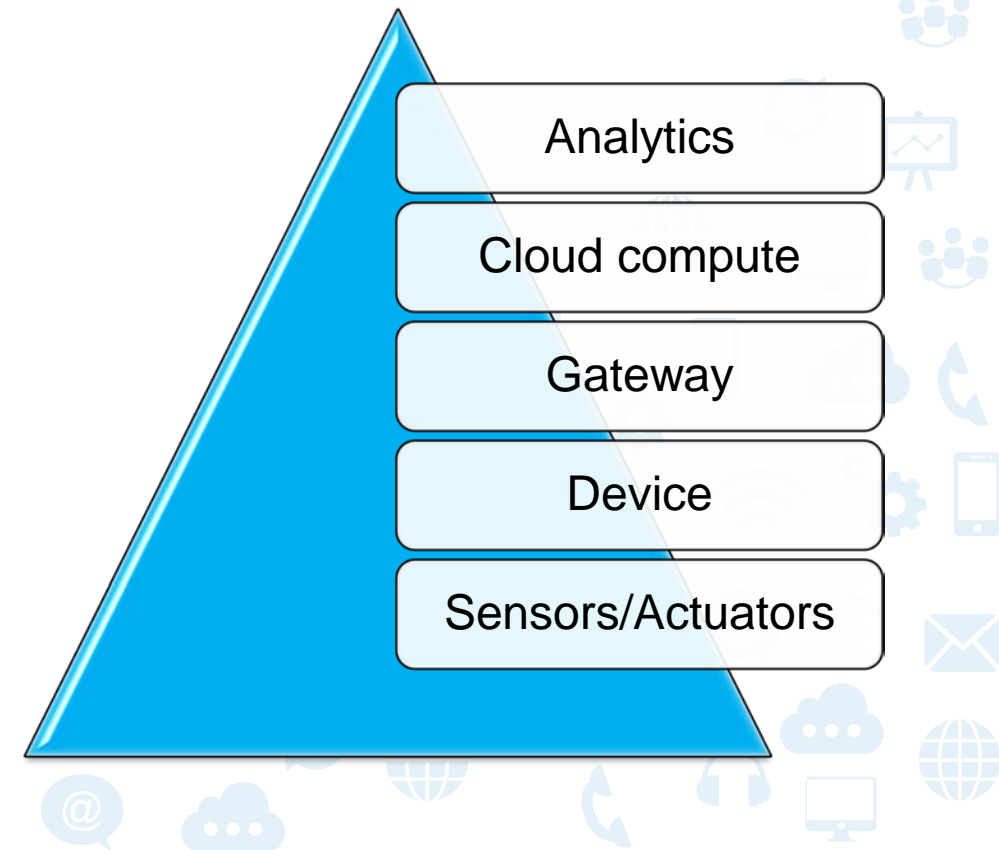
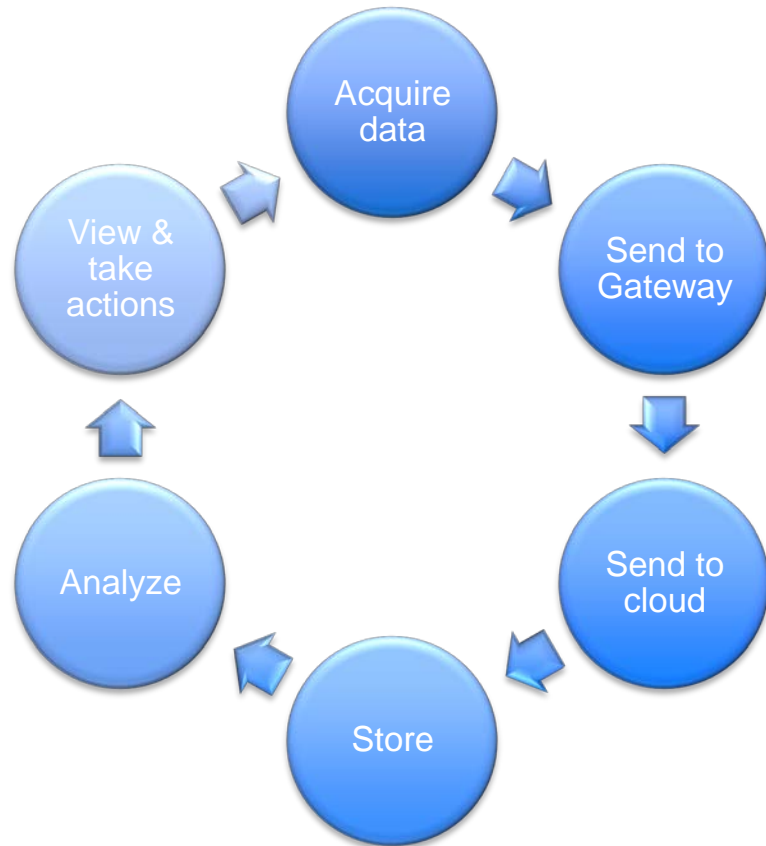
A very general term, manifesting **usage of connectivity & compute around us**

Though not by definition, majority of the IoT applications is around wireless communication.

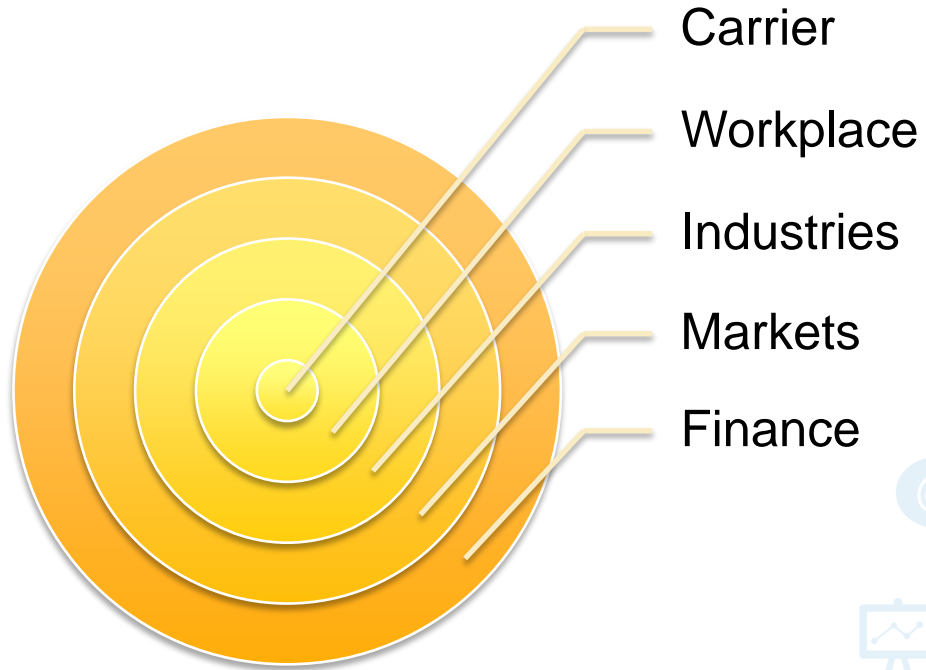
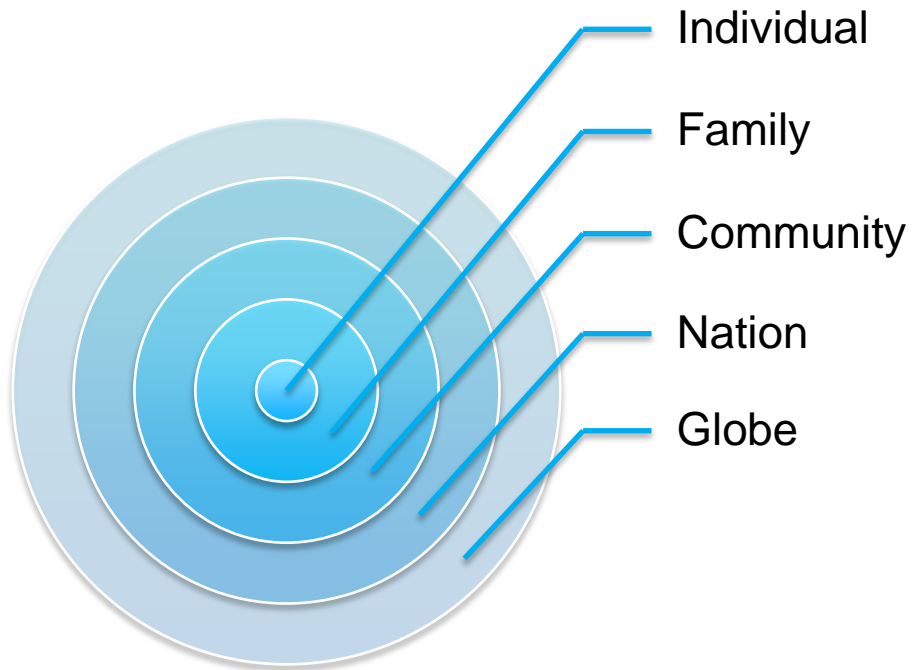
Many protocols with different attributes, compete to dominate the market.



IOT Cycle & base components



Why does it matter ?



Disruption is coming : @home , @work

Before we start ...



You are encouraged to learn more, Only scratching the surface



Prediction is hard, Disruption superposition



Envision is faster than execution



Will try to focus on everyone's daily **visible changes**



Industry 4.0



Personalization



Costs dropping



Barriers drop



Creativity wins



Issues



High investment



ROI not clear




Quality

Smart home



The Home mainframe war



The Home OS war



A LOT of 20\$ connected STUFF



Security needs redefinition



Issues

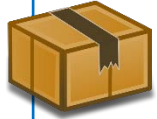
APPROVED

Standardization



Security

Retail



Shipping facing disruption



Online shopping getting stronger



Physical retail challenged, M2M shopping



Direct marketing



Issues



Privacy



Commercial deficits



Shipping adjust slow

medical



Constant monitoring
, A LOT of data



Genetics
understanding and
manipulation



Robotic operations



Artificial analysis
boost



Issues



Blurred
borders



Fear

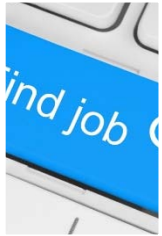


Data silos

Autonomous cars



New levels of safety



Unemployment impact



Ownership model change



Ecosystem impact



Issues



Legal, Insurance & Ethics



Fear



Regulation

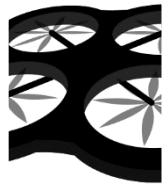


Unemployment

robotics



Family robots



Drones impact everywhere



Service robots



Re-invent Industrial

Issues



Regulation



Regulation



Army of robots ?



Unemployment

Fintech



Trust is becoming cheaper



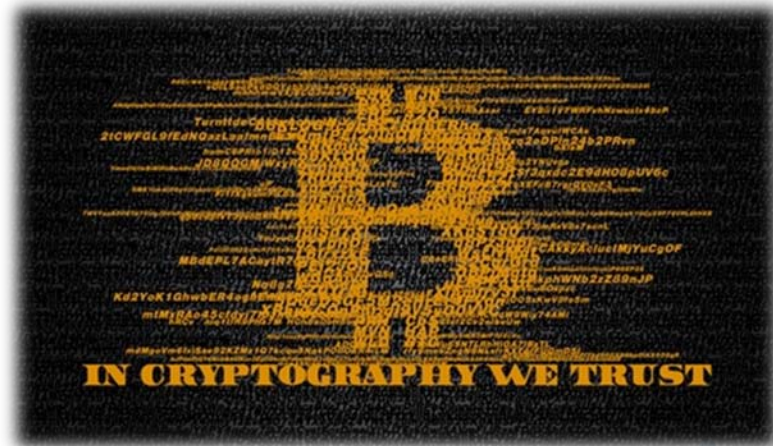
P2P finance



Distributed currencies



Power shifts



Issues



Regulation



Extreme change



Crypto break moment

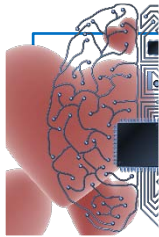


Existing models collapse

Artificial intelligence



Deep and broad impact



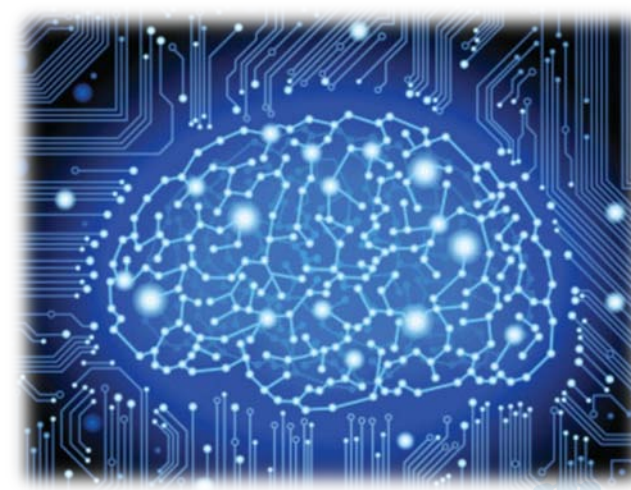
Cognitive computing



(deep) Patterns exposed



Language barriers dropped



Issues



Privacy



Big brother



Hard to Explain Decision's WHY



Singularity

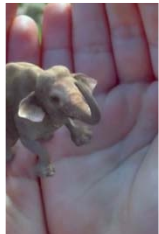
AR/VR



VR pass TV in a decade ?



Education, Media, Gaming ,



Mixed reality



Virtual life

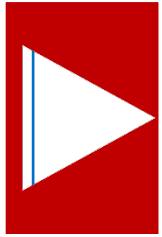


Issues

Health

Social skills

5G



Video, Live, For everyone



We are the **mainstream** news



Real-time



Must for IoT



Issues



More radiation ?



Standardization



Security



Slow deployment

Summary

- Slower than published on the news papers
- Impact is broad and deep

Big
change



- Change is not bad thing
- We replace old problems with new ones

FUD is
natural



- Full digitization
- Jobs elimination
- Job is not a must
- Man and machine interleaved
- You have control like never before

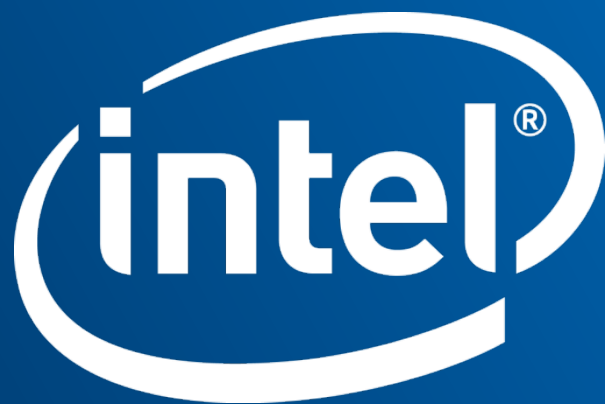
Expect



- Layering the base for bigger changes
- Quantum, Gov tech, Ed tech,

Just the
beginning





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