



Internet of things: Overview

Gather and send information

Receiver and act on information

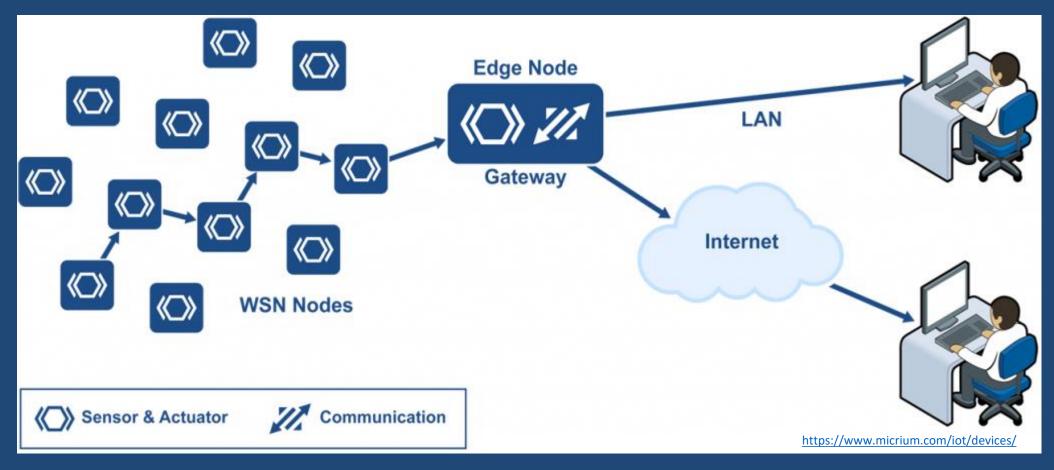
Do both

Internet of things:
Architecture

Local IoT architecture

Cloud IoT architecture



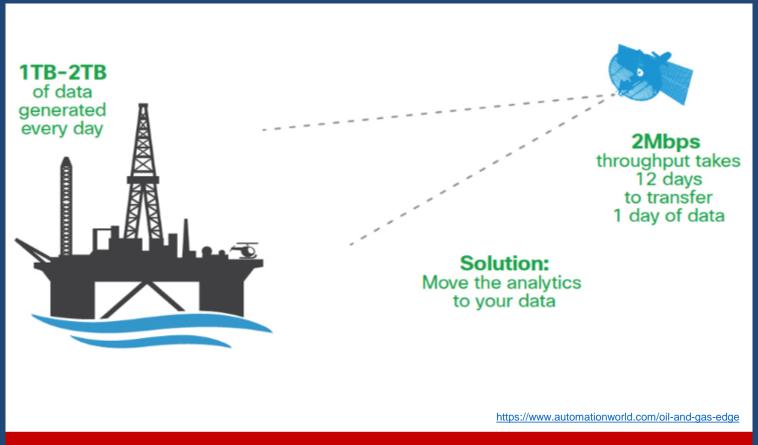


Wireless sensor network (WSN) installed in a factory, connected to the Internet via a gateway

Internet of things: Architecture

Local IoT architecture

Cloud IoT architecture

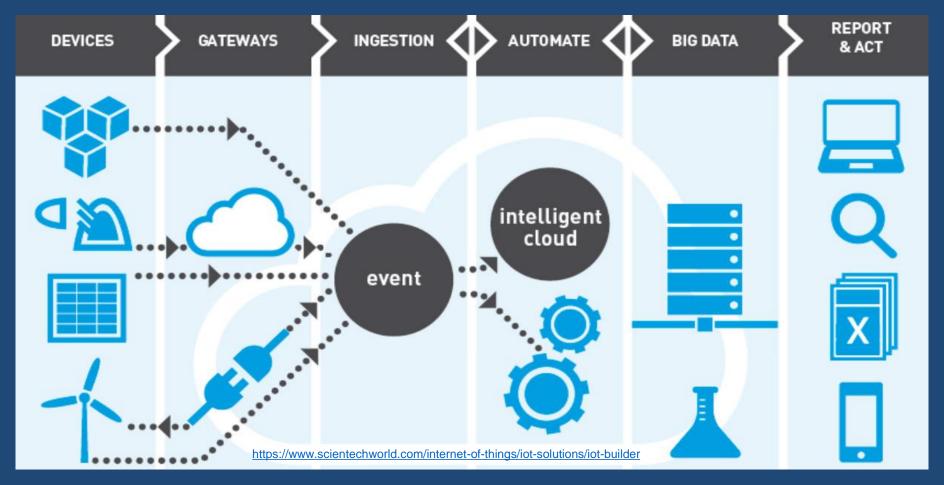


A typical offshore oil platform generates 1-2 TB of data every day, and communicates via satellite link at a rate of 64 kbps to 2 Mbps. This means that it could take 12 days to transmit just one day of data to a central repository. Source: Cisco

Internet of things: Architecture

Local IoT architecture

Cloud IoT architecture

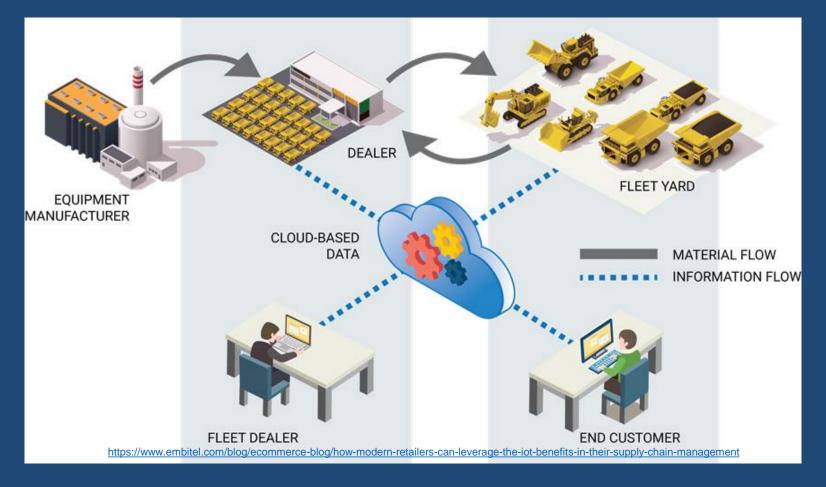


Cloud IoT

Internet of things: Architecture

Local IoT architecture

Cloud IoT architecture

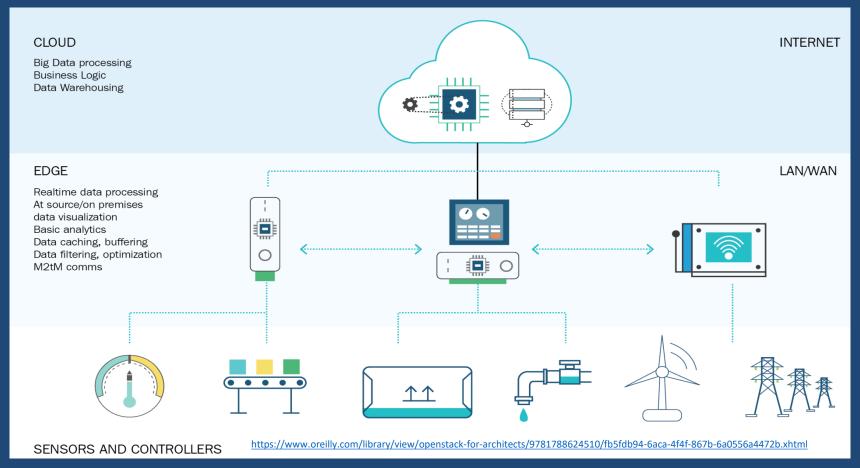


supply chain applications - use case of cloud IoT architecture

Internet of things: Architecture

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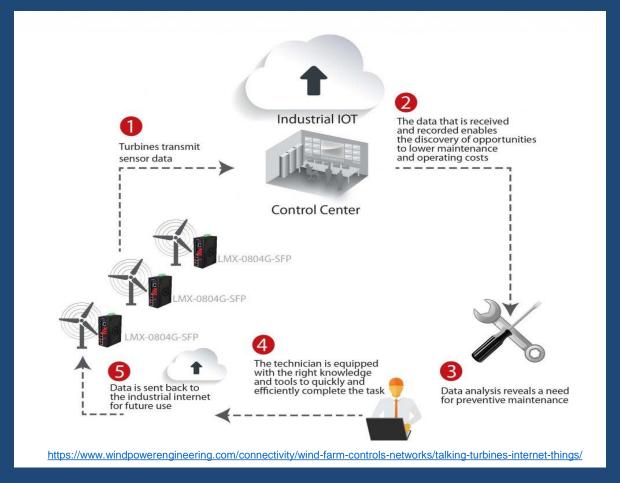


Cloud and Edge computing-Complementary Technologies powering IoT

Internet of things: Architecture

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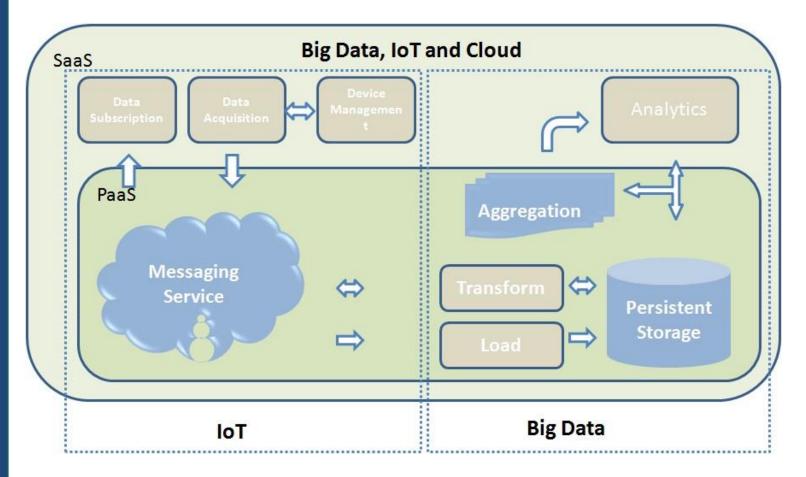
Internet of things with Cloud Computing

IoT

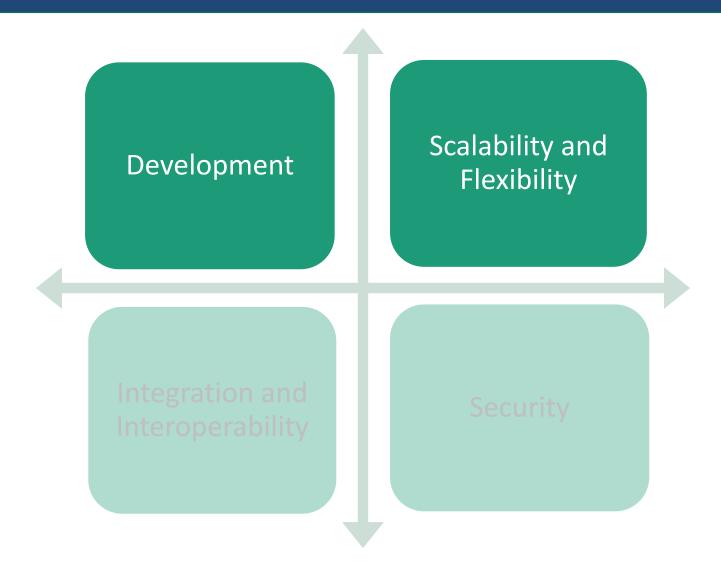
Cloud Computing

Big Data

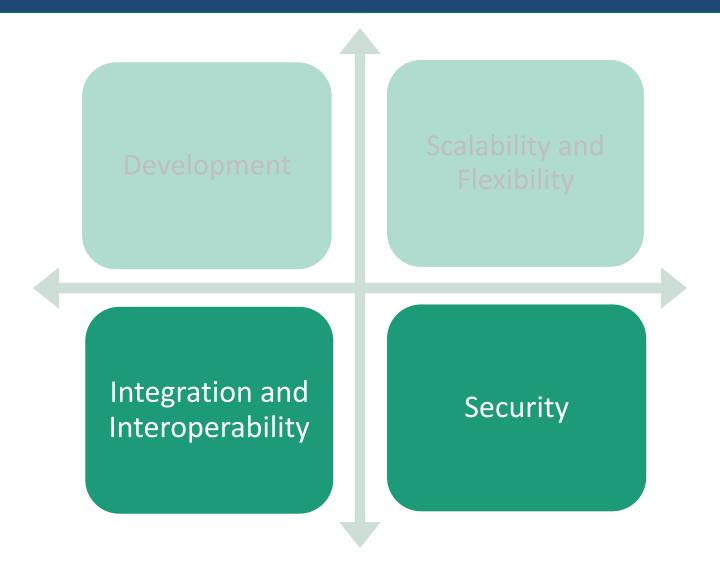
The relation among IoT, Cloud Computing and Big Data



Advantages of Cloud IoT



Advantages of Cloud IoT



Disadvantages of Cloud IoT

Data Ownership Potential crashes

Latency

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Latency

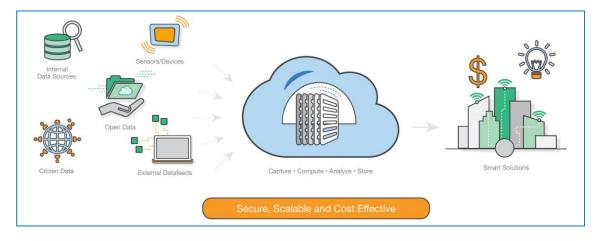
Case Studies

Smart Home

Smart City

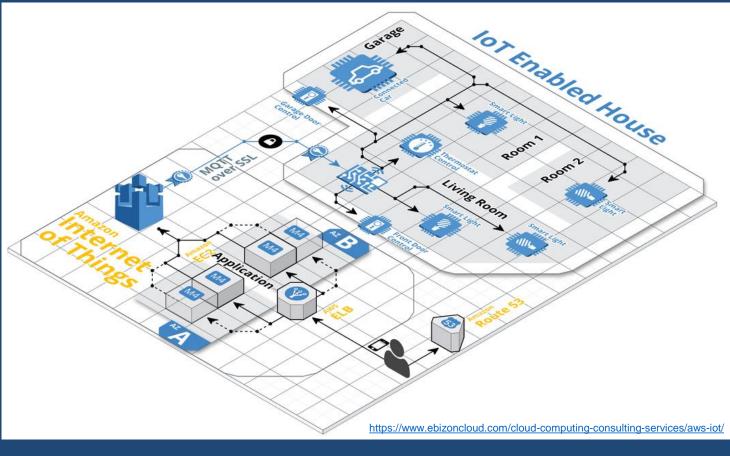
Smart Event











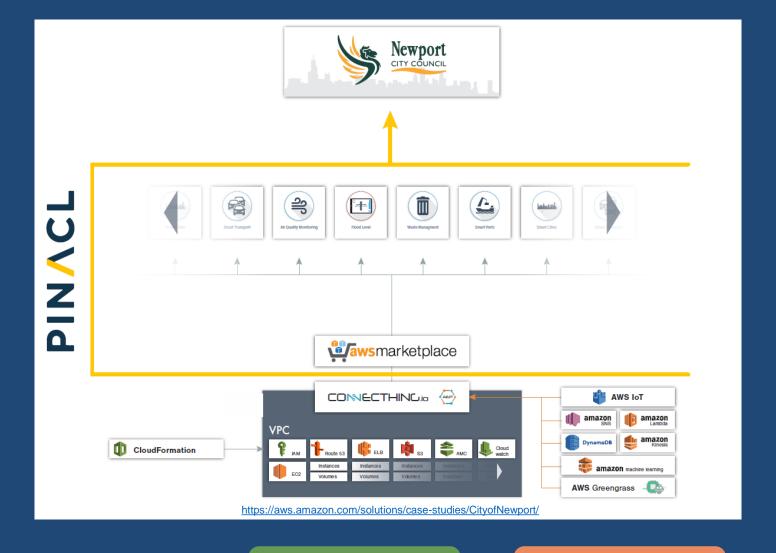
Case Studies

Hubble IoT connectivity ecosystem

Smart Home

Smart City

Smart Event

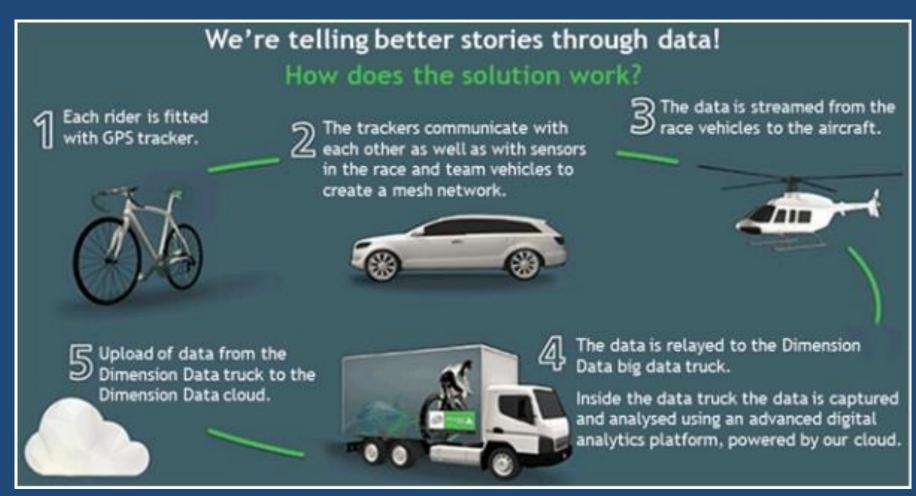


Case Studies
City of Newport Case Study

Smart Home

Smart City

Smart Event





http://sagarnangare.com/case-study-of-use-of-cloud-computing-iot-big-data-machine-learning-devops-in-tour-de-france/

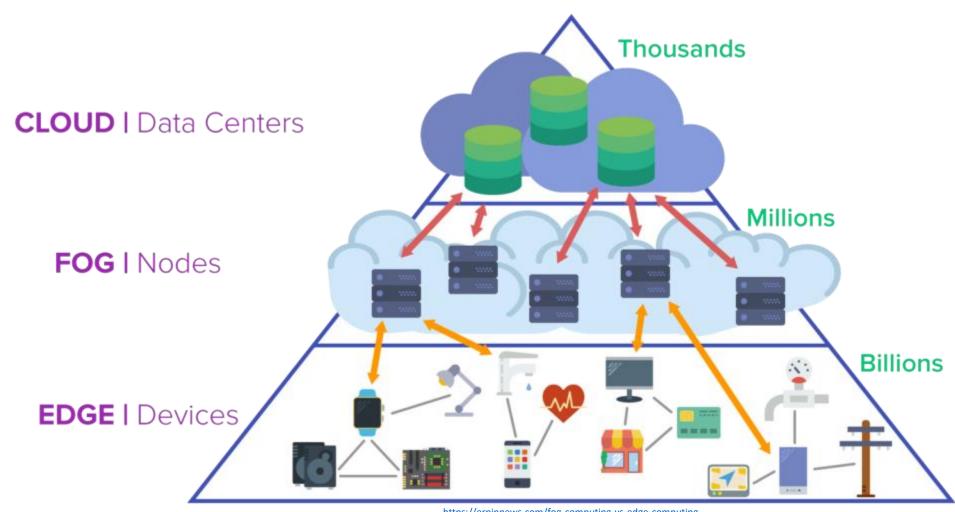
Case Studies Dimension Data and Tour De France

Smart Home

Smart City

Smart Event

Conclusion



https://erpinnews.com/fog-computing-vs-edge-computing

