Cisco Connect

Dubai, UAE 20th March 2013

"The Internet of Everything and the Path Ahead"

Howard Charney, SVP
Office of the CEO and COB









Amazing Things Happen When You Connect the Unconnected



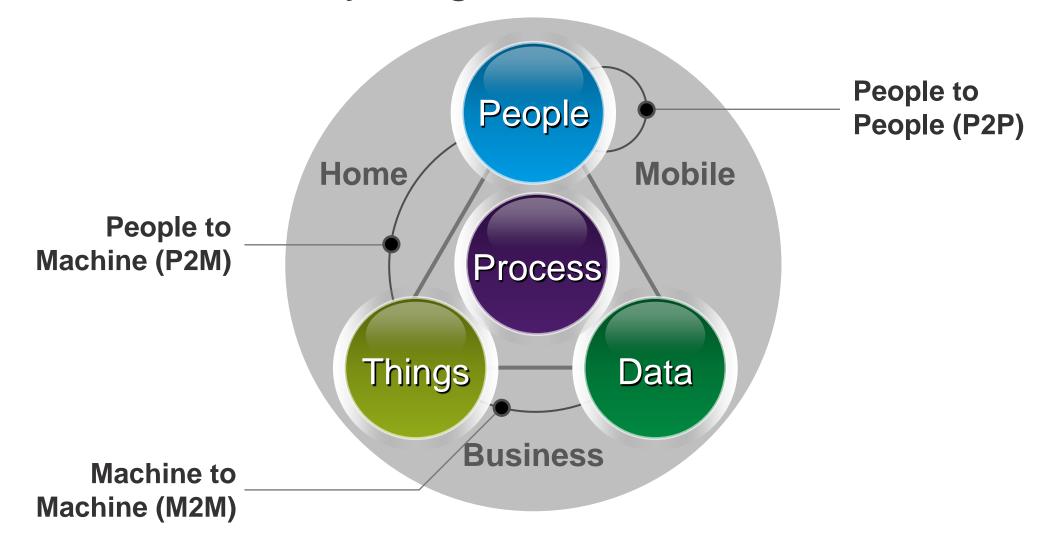
The Internet of Everything

The Internet of Everything brings together people, process, data and things to make networked connections more relevant and valuable than ever before—turning information into actions that create new capabilities, richer experiences and unprecedented economic opportunity for businesses, individuals and countries.

a=20+10

The Network: Cisco's Technology News Site

The Internet of Everything



What Is the Value at Stake?

\$14.4 Trillion

\$9.5 trillion

From industry-specific use cases (66%): smart grid, connected commercial vehicles, etc.

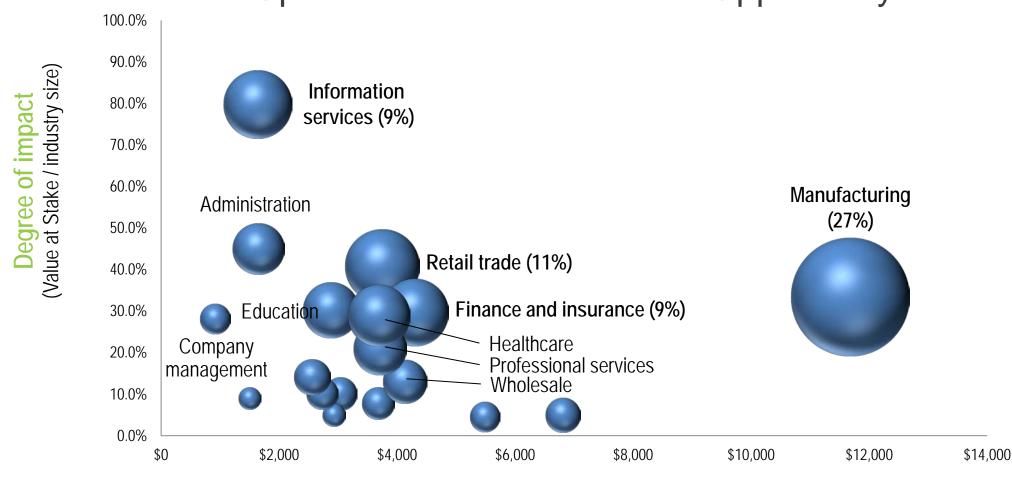
\$4.9 trillion

From cross-industry use cases (34%):
future of work
(telecommuting),
travel avoidance, etc.

loE represents an opportunity to grow aggregate global corporate profits ~21% by 2022

Opportunity by Industry

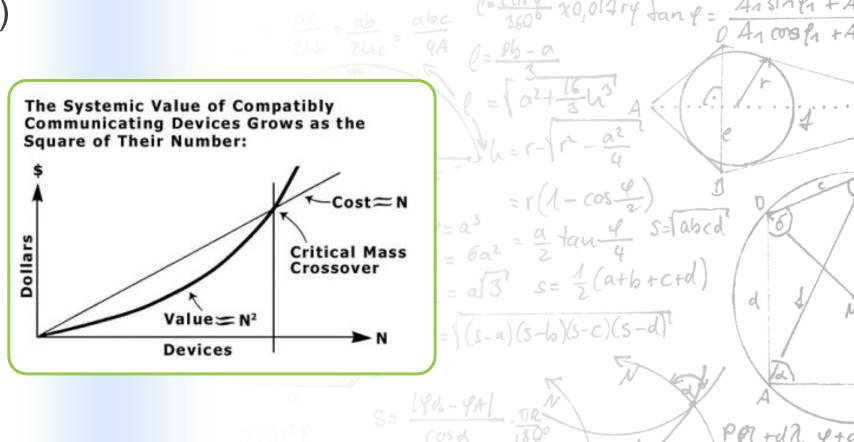
Top 4 Industries Make Up More Than Half the New Opportunity



Industry size (value added \$B)

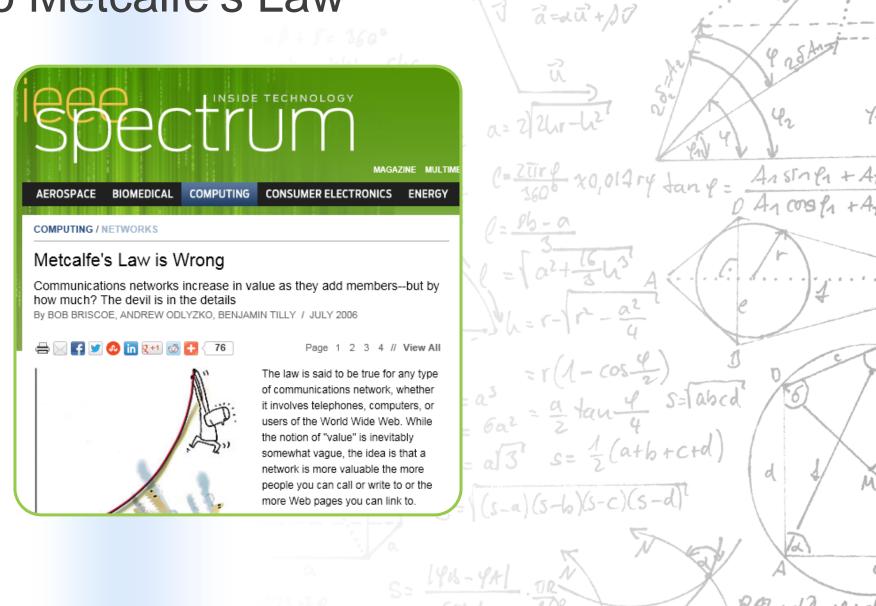
Metcalfe's Law

Metcalfe's law states that the value of a telecommunications network is proportional to the square of the number of connected users of the system (n2)



a=20+10

The Naysayers to Metcalfe's Law



Prediction: 50B Connections by 2020

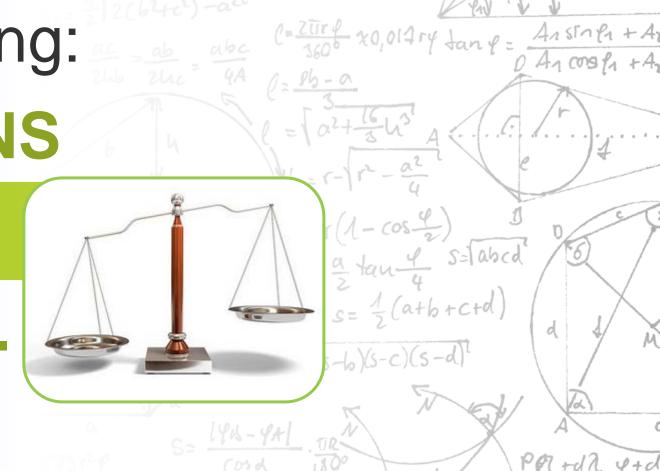


In Today's World,

What Metcalfe had no way of anticipating:

ALL CONNECTIONS

ARE NOT CREATED EQUAL.

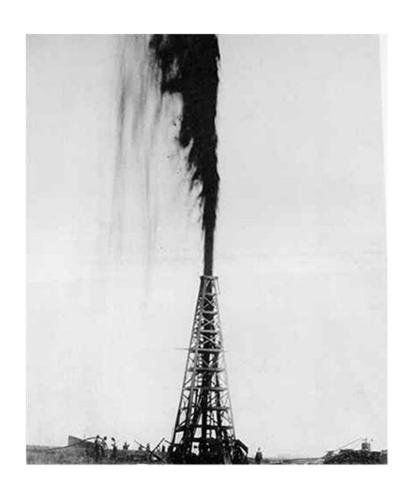


"We are in great haste to construct a magnetic telegraph from Maine to Texas; but Maine and Texas, it may be, have nothing important to communicate."

- Henry David Thoreau







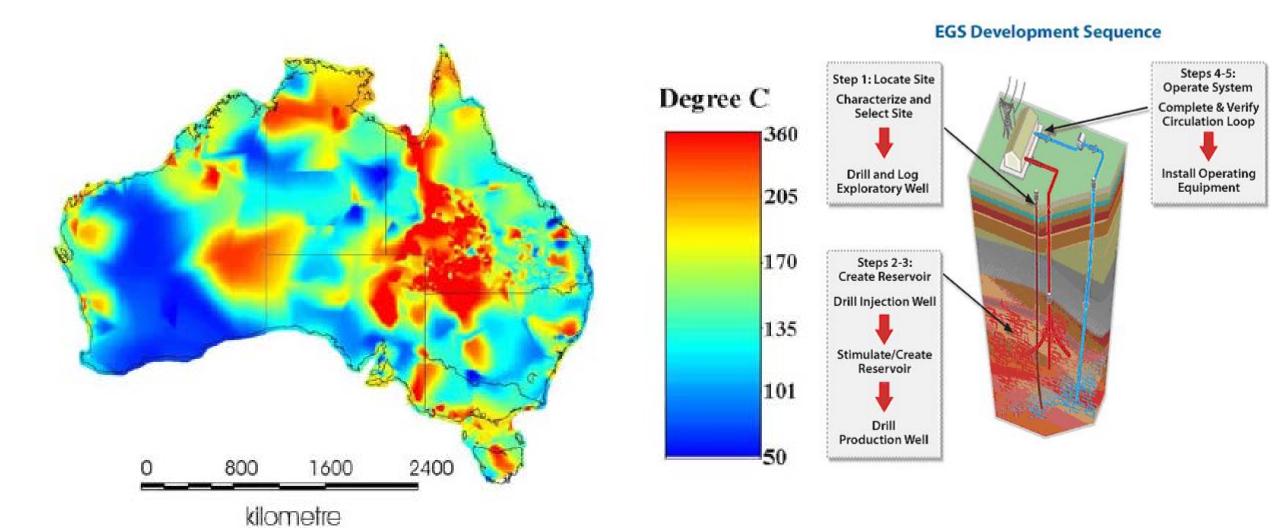




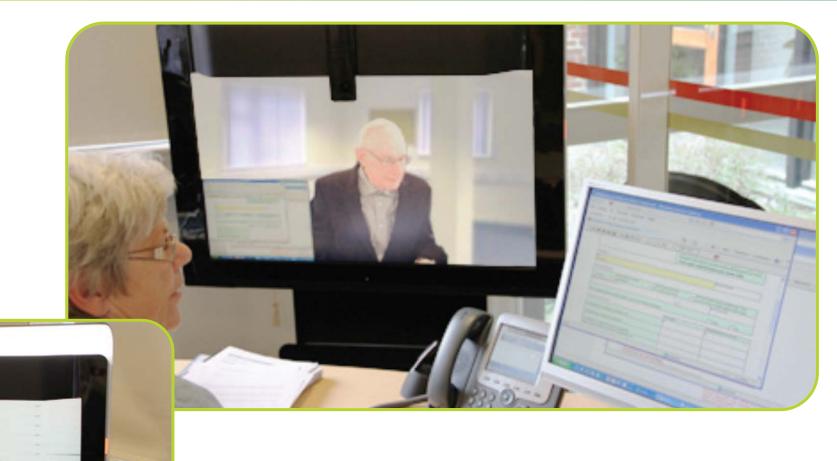
Cisco Remote Expert Smart Solution for Manufacturing



NICTA: Analyzing Data to Find Geothermal



Citizen Services





Tesco Brings the Store to Shoppers

Tesco builds virtual shops for Korean commuters

A visual experiment in mobile supermarket shopping has done very well for Tassa in

South Korea

3:42PM BST 27 Jun 2011

2 1 Comment





In Technology »



Connected Retail: an \$855B Opportunity



Cisco IBSG Study: Digital Malls: the Next Generation of Self-Service Shopping, Nov. 2012

Only 0.05% of the world's available data is being mined for value

- IDC



We often focus on the tracking and mining of vast mountains of static results, but the dynamic interaction among complex agents in real time ultimately will be more valuable. It is

this latter form... that has the greatest potential

HE HUMAN FACE OF

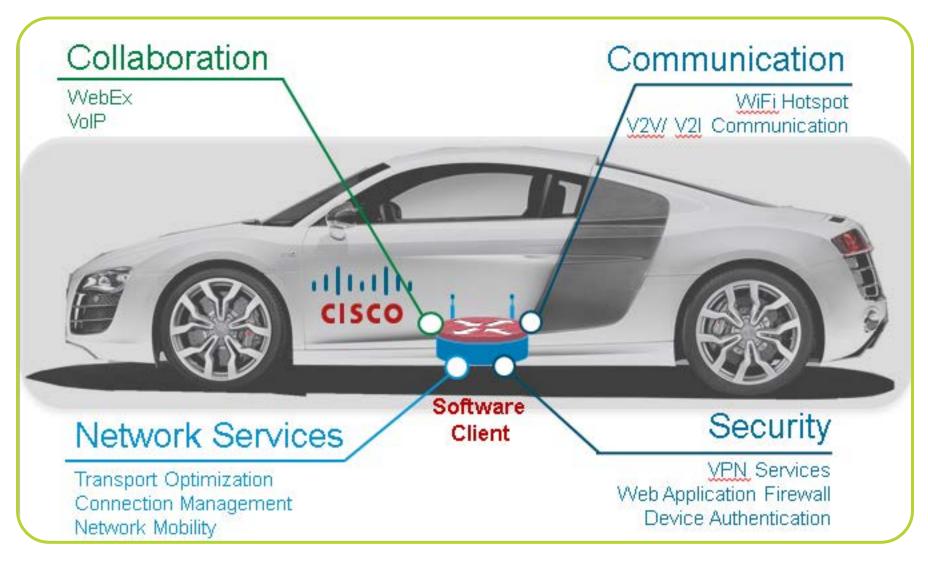
 Esther Dyson, "Pulse of the Planet" from The Human Face of Big Data

for revolutionary change.

Smart Transportation



Car-2-car, Car-2-infrastructure



Stoplights Could Become Obsolete

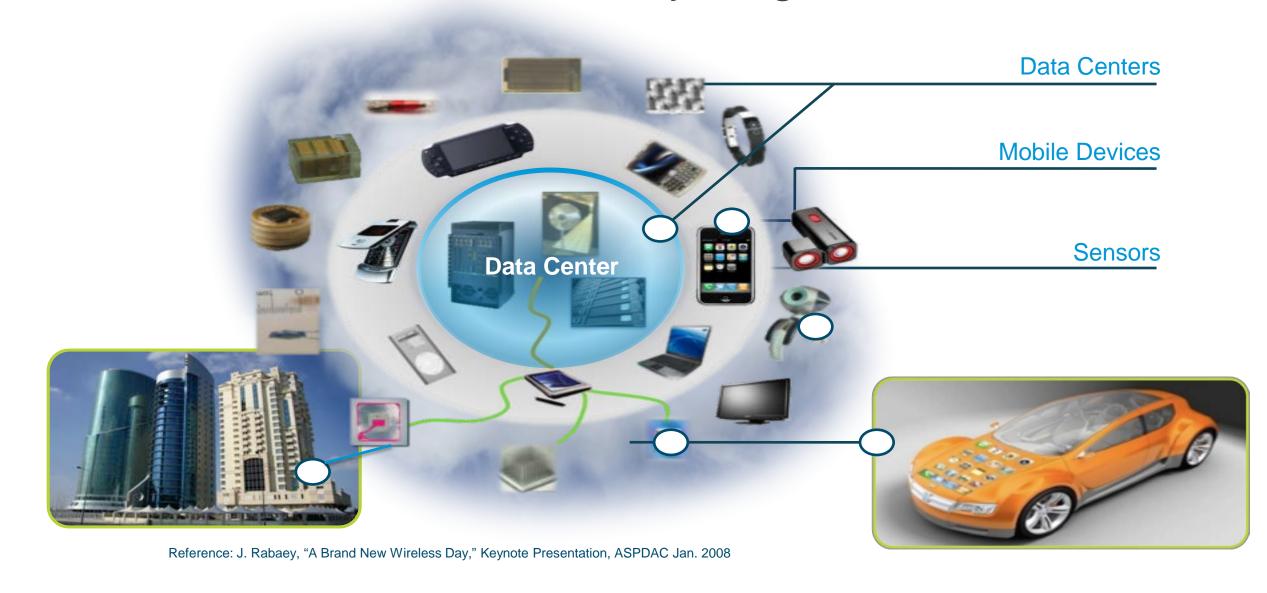


The Cloud





Cloud and the Internet of Everything



Amazon S3

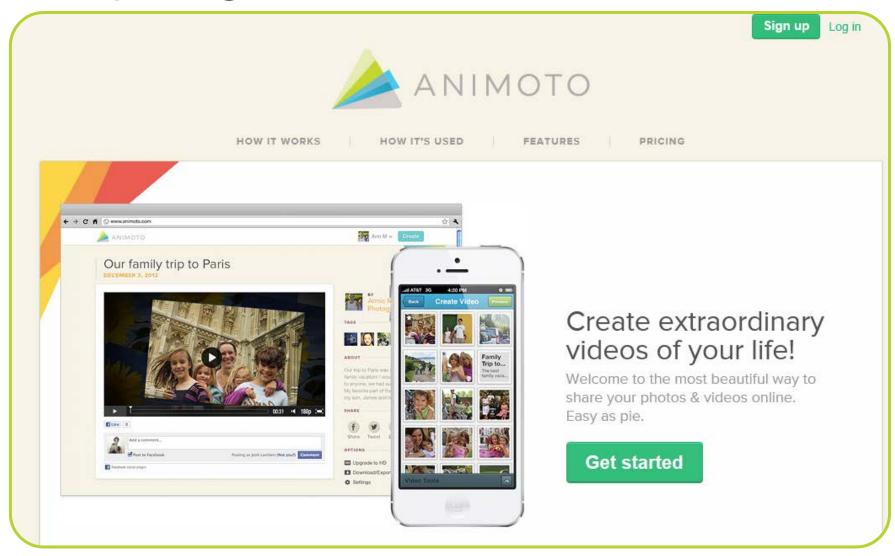
1 trillion objects...

650,000 requests

...per second



Elastic Computing



Animoto.com





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Software User Stories

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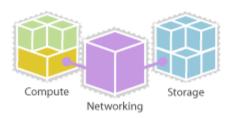
Wiki

Documentation

Open source software for building private and public clouds.

Software

OpenStack Software delivers a massively scalable cloud operating system.



About OpenStack Software...

Community

Join our global community of technologists, developers, researchers, corporations and cloud computing experts.

8516

87

Meet Our Community

The OpenStack Summit is coming April 15-18.

Join us in Portland, Oregon

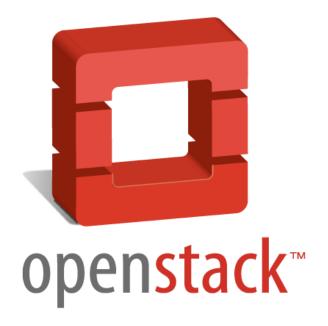
More Info

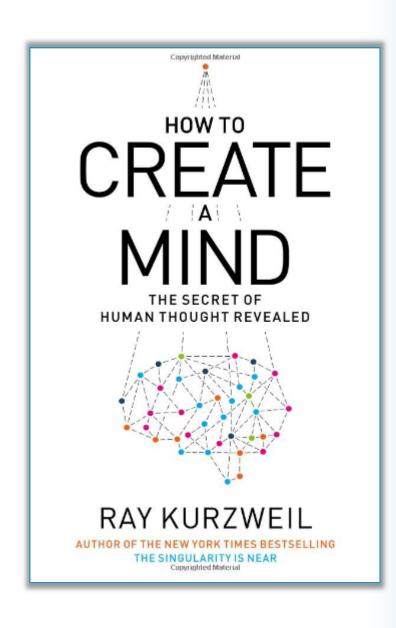
Register Now

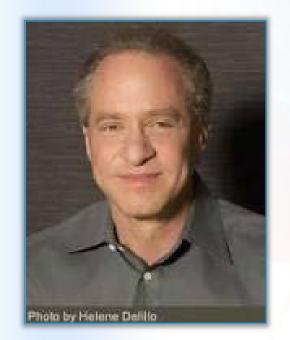
OpenStack OpenStack is a global collaboration of developers and cloud computing technologists producing the ubiquitous open source cloud computing platform for public and private clouds. The project aims to deliver solutions for all types of clouds by being simple to implement, massively scalable, and feature rich. The technology consists of a series of interrelated projects delivering various components for a cloud infrastructure solution.

Open Source Cloud Platform

- OpenStack is open source software that allows any company to build their own public or private cloud
- Turns data center infrastructure into a service
- Think of it as: "software that powers Amazon's EC2+S3"

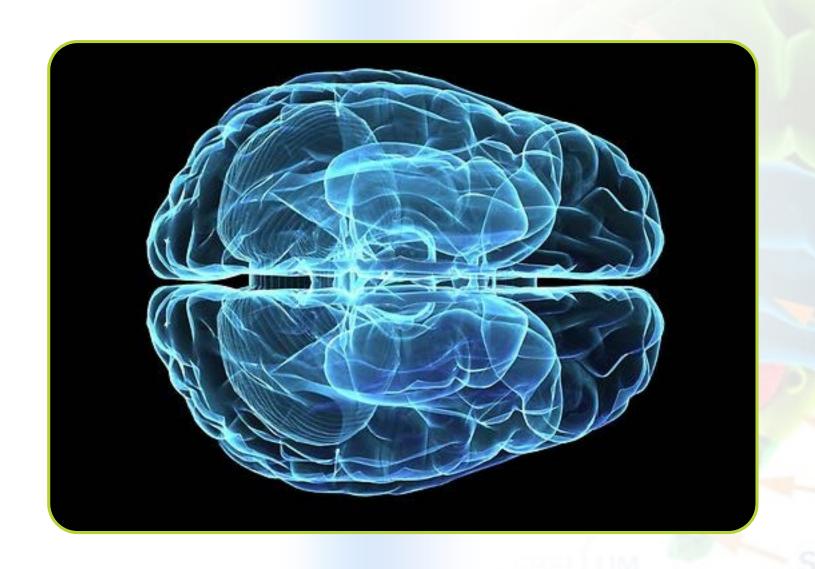




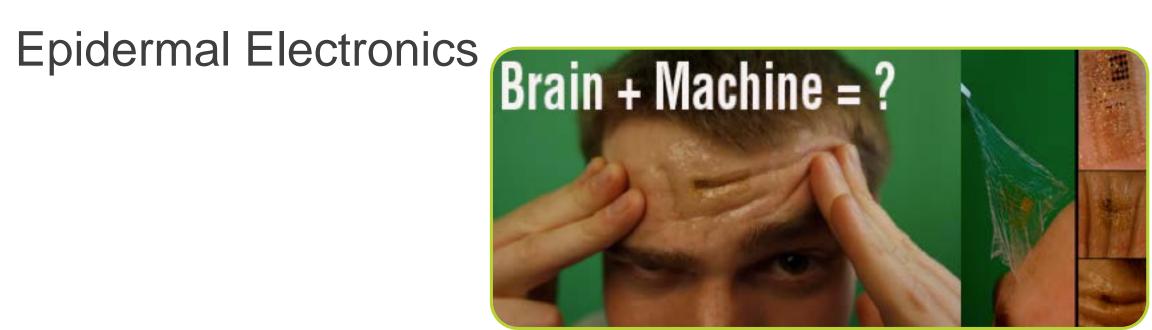


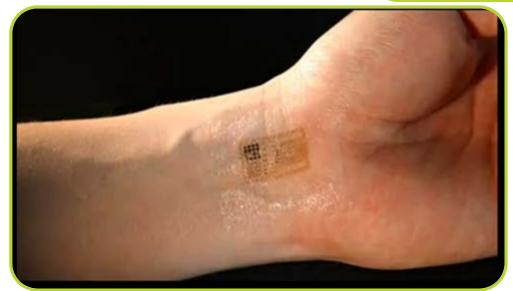


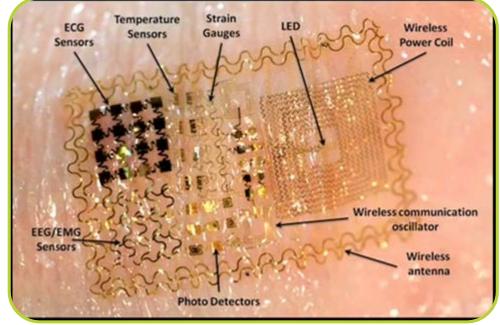
The Cloud as an Extension of the Neo-Cortex?





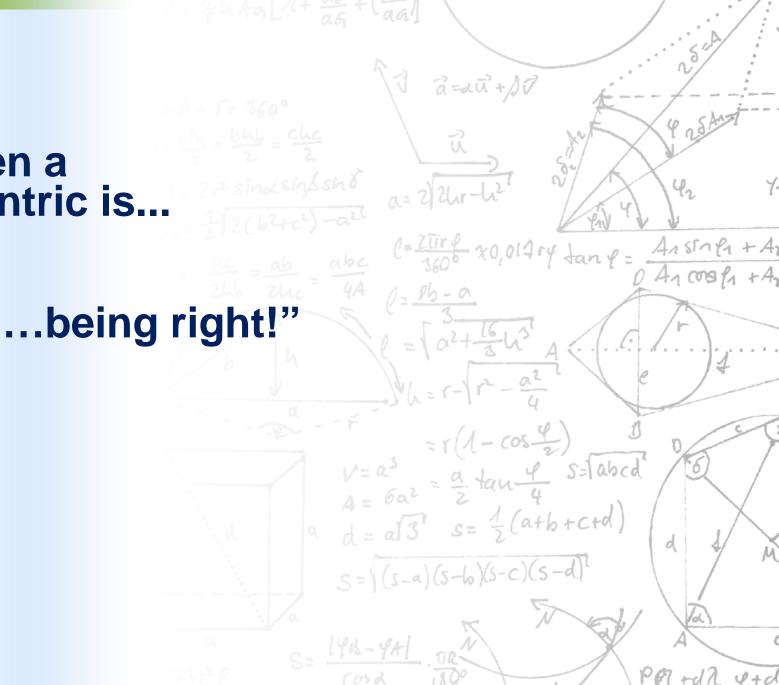


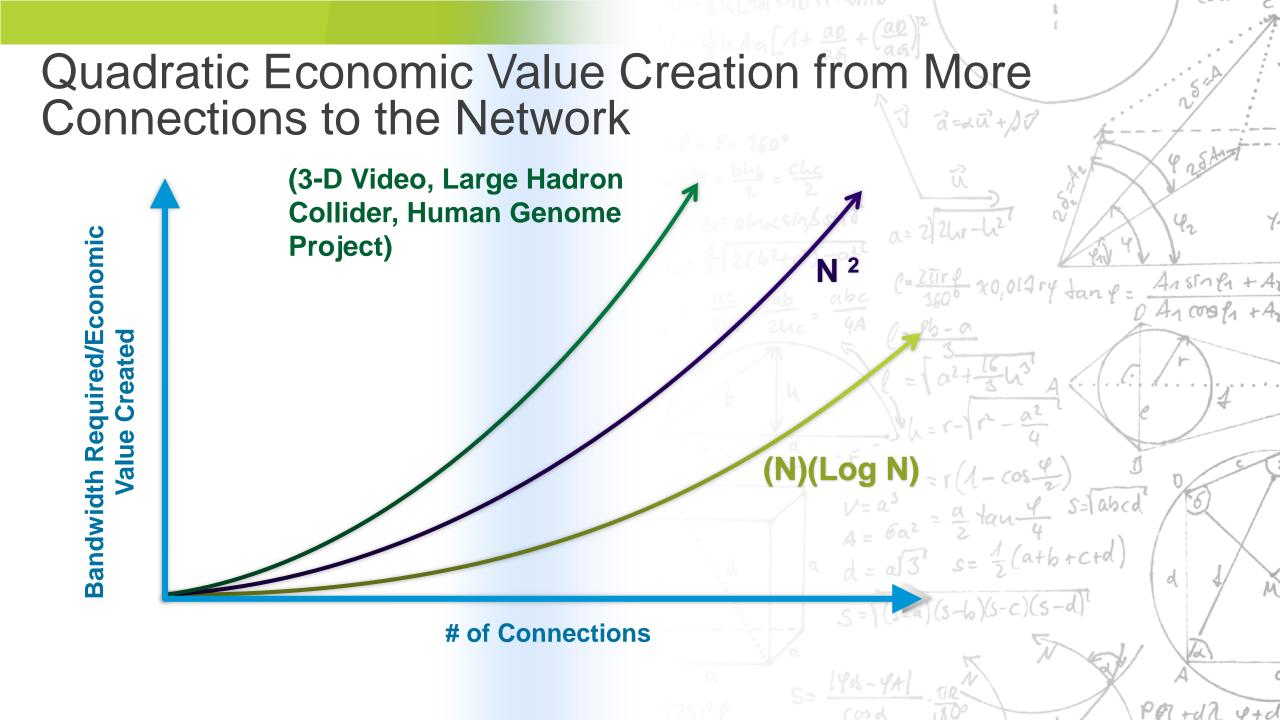




"The difference between a visionary and an eccentric is...

Bob Metcalfe





Amazing Opportunities Ahead



Shukran jazeelan.

