XILLION

PARTNER IN ICT-OPLOSSINGEN

To Cloud or not to Cloud

Jean Huveneers

CTO – Xillion ICT Solutions

XILLION
PARTNER IN ICT-OPLOSSINGEN

Topics

- Definiton of the Cloud
- Pro and Cons
  - OPEX versus CAPEX
  - Compliance versus Compliance
  - Natures Limitations
- The Past, Present and Future
- Unsolved challenges in Cloud services

Definition(s) of Cloud (Computing)

Cloud computing is a style of com…which scalable and elastic IT-enabled capabilities are delivered as …net technologies. (Gartner)

What is with all those aaS's?

BaaS – Back-up

DRaaS – Disaster Recovery

IaaS – Infrastructure

Naas – Network

PaaS – Platform

SaaS – Software

…

Some other names:

Hosting

Colocating

you decide what it means for you

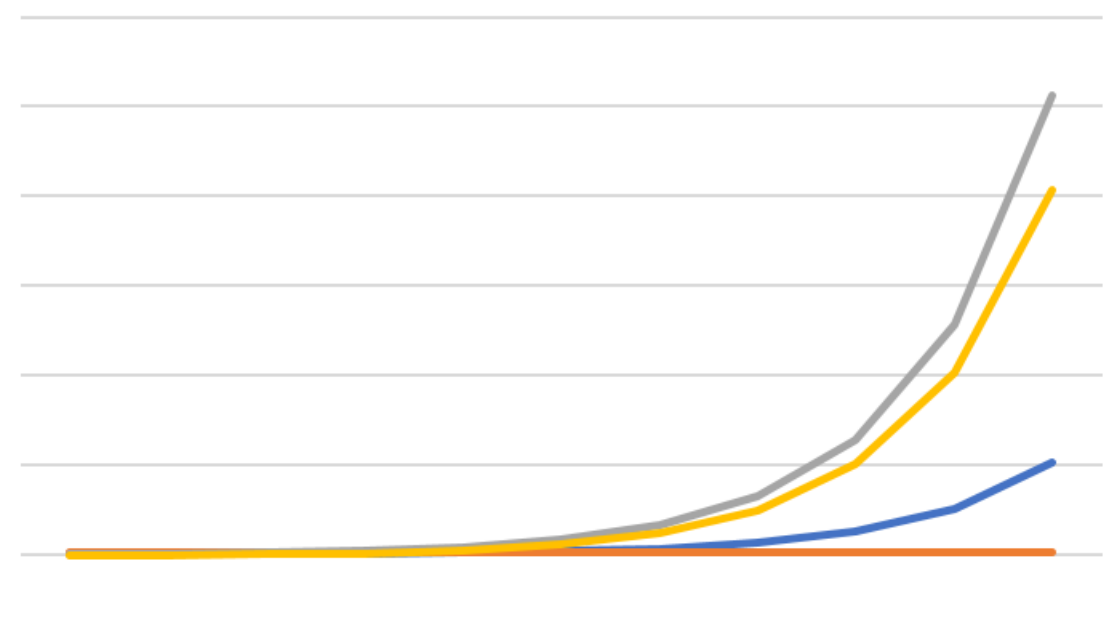
Opex vs Capex

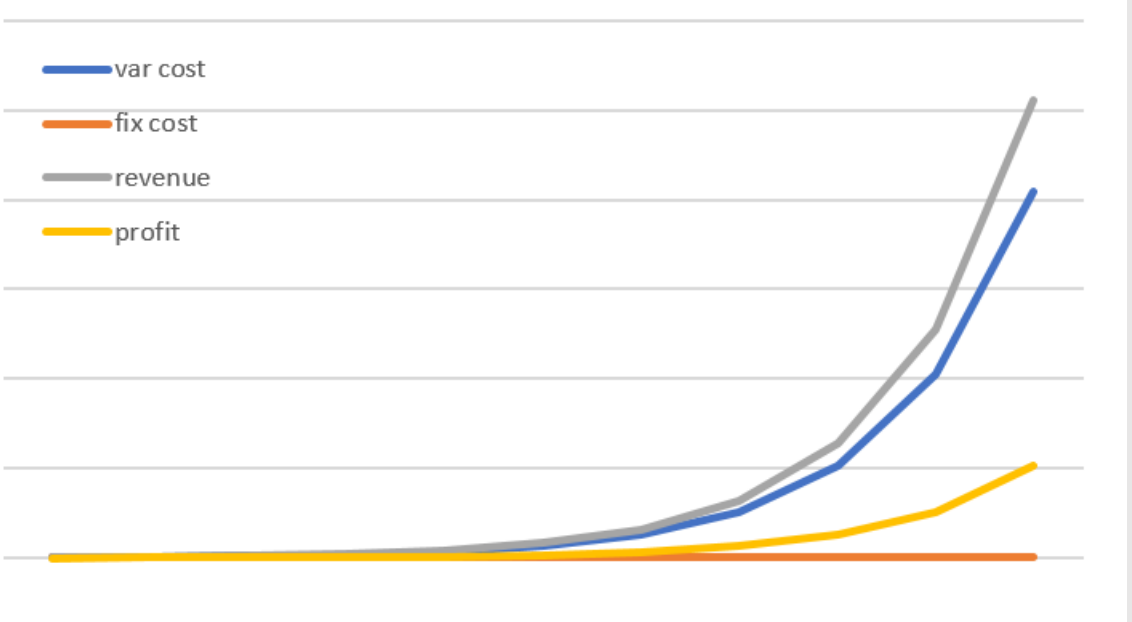
OpEx:

- Flexible
- Pay per use
- Less risk
- Cloud is not a requirement
- Less predictable

CapEx

- Fixed
- Fixed cost
- In control
- More profitable
- I know where





Compliance

- Are there blocking regulations?
  - EU/National/Industry/Customers
- Are there requirements for some regulations?
  - EU/National/Industry/Customers

- GDPR: Well.. Guess what.. It depends..
  - Type of data you process

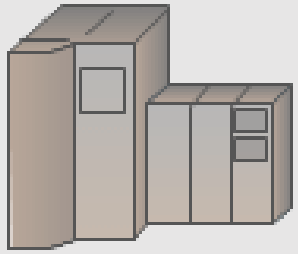
Nature vs. technology

- Latency
  - Speed of Light
  - Follow the user
- Availability
  - 99,9 (8 h 46 min) x 99,9 x 99,9 = 99,7 ≙ 26 h 15 min
- How to move on?
  - Computing power and data grow 10x every 5 years
  - Bandwidth only at a factor 5,6x

PRESENT
PAST
FUTURE

High Level 1960-2020

Central

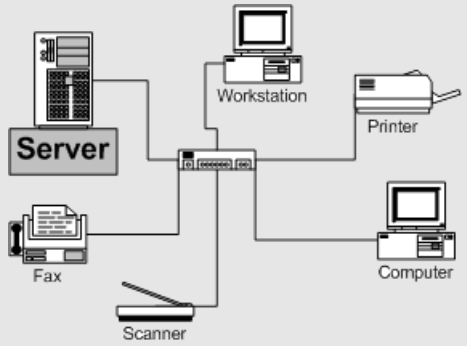


Main Frame

Cloud

Product
(HW/SW)

Service



Client Server

Smart Devices

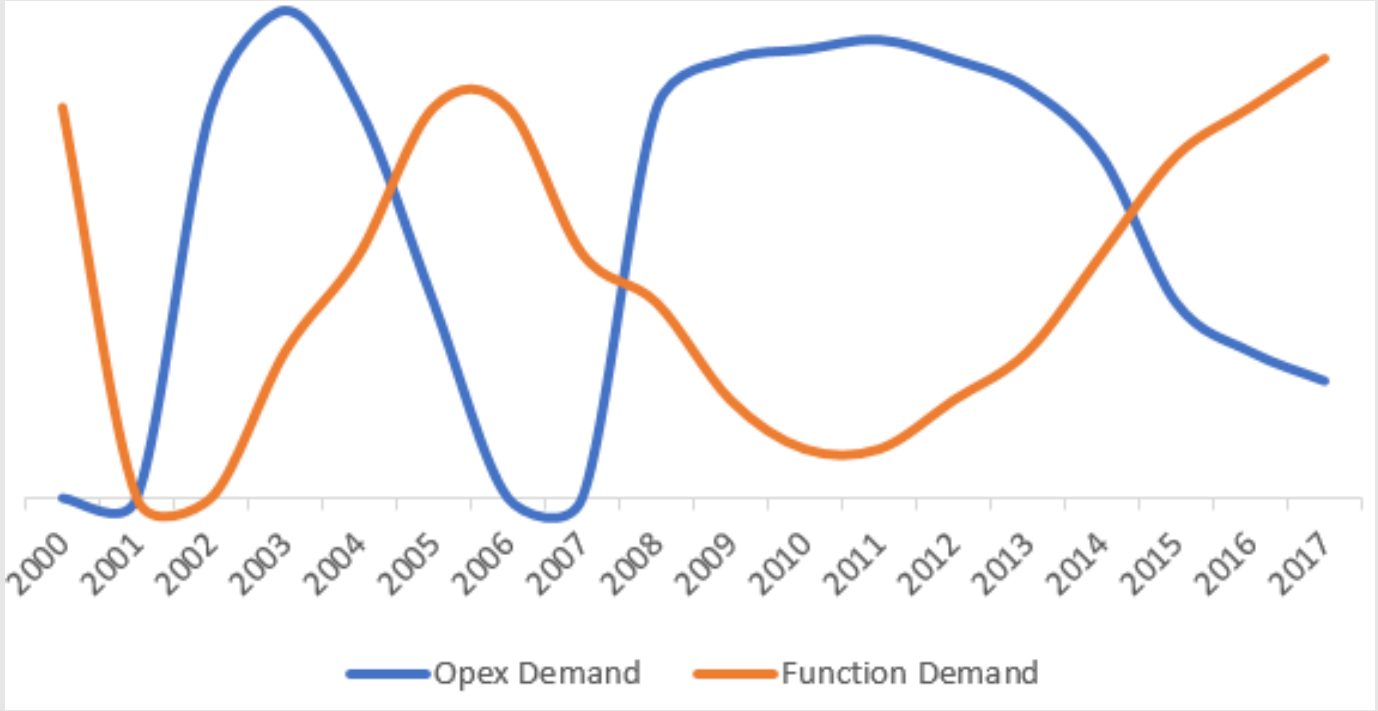
Local
Distributed
Personal?

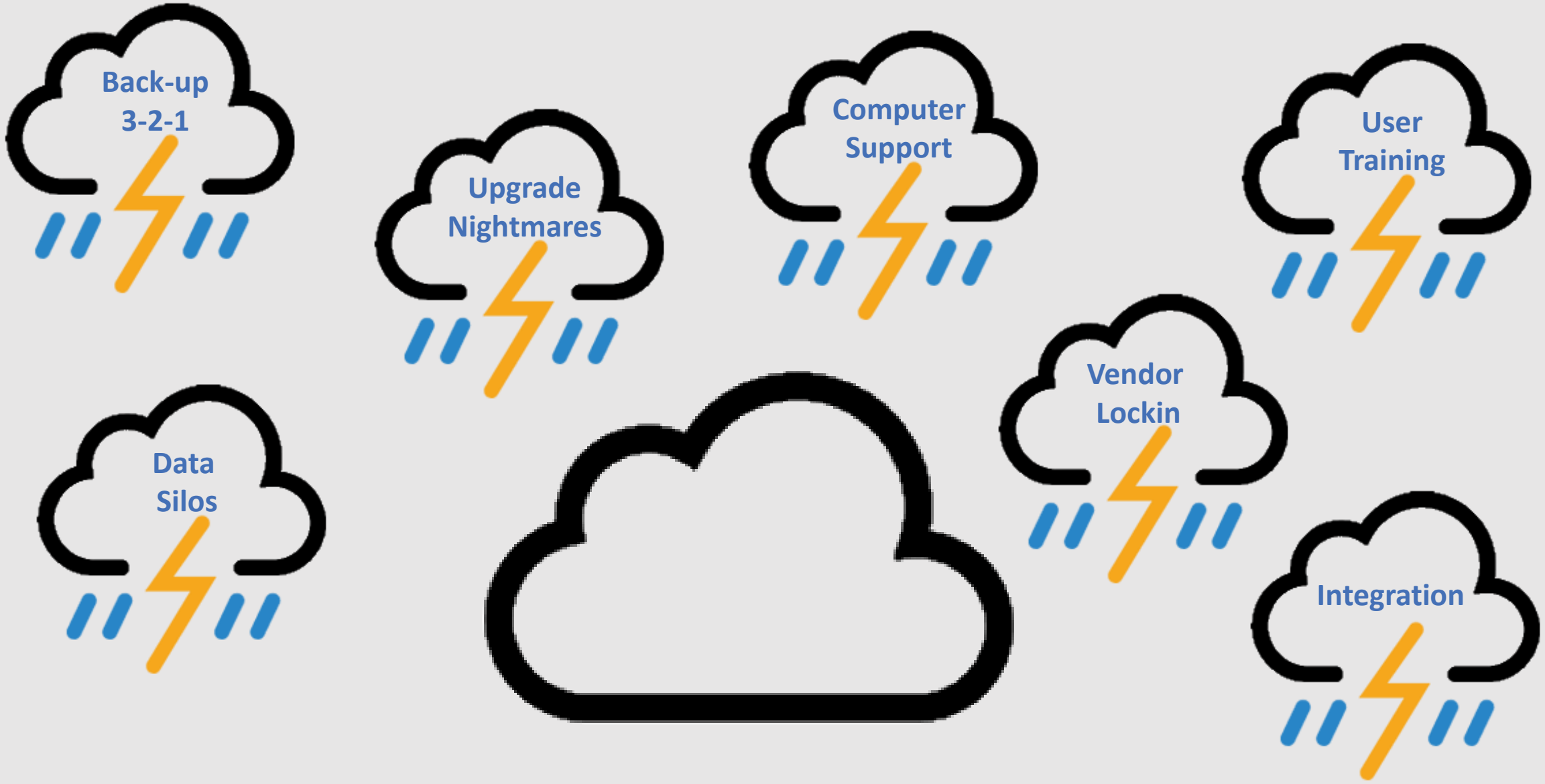
Zoom 2000-2017

Internet Bubble 2001
Bank Crisis 2008

Cloud = customer binding
Raising profit by upsell

Cloud-tech is comming home
- Hyperconverged Infra
- Azure Stack
- Office 2019
- Edge technologies
- Smart Devices / IOT





So you thought the Cloud was the solutions for everything?

Resume

- Everyone will be using some kind of Cloud

- If you like it depends on your preferences
- Cloud is to stay

- Data Management important

- Cloud is not the solution for everything

XILLION
PARTNER IN ICT-OPLOSSINGEN