

Week I - Capital grows and rises

- * Manufacturers dominate regional markets.
- * Quality and price was main competition.
- * Product developments are continues after release.
- * Products are shelf-stable.
- * Product development processes based on "WATERFALL"

We have limited single core-CPU performances due to cooling, size, production nanometer. For fix that limitation we was discovered parallel computation and GPUs.

- * "Cloud" is firstly mentioned at Gartner's 2008 Top 10 Strategic Technology Areas as a "Virtualization 2.0"

Milestone!!
⇒ At 2010, "Cloud Computing" is mentioned by the same term.

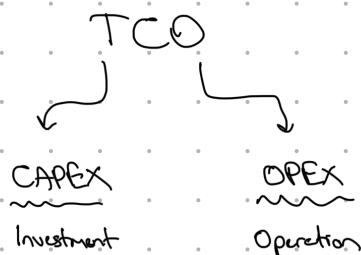
Same year I able to store big (really big) datas.
(TB to PB) / NAS, SAN

At 2006 -before cloud milestone- biggest companies are oil corporations.

At 2016; Apple, Alphabet and Microsoft are beats the oil companies in the race.

At COVID-19 pandemic, teleconference and chat provider Zoom beat the Exxon.

Reason of that beat is dynamically, extendable cloud infrastructures. With these, Zoom is firstly grown and became mostly known chat and conference application. Zoom is not buying infrastructure for that growing.



* We are talking about "DATA IS THE NEW OIL" after cloud.

General Knowledge

1943, Marc-I

* 5 transaction per second

1946, Eniac

First "Machine Learning" term,
Alan Turing

280 3.5 MHz - 1982

Zeon 4 GHz - 2023

$\left. \begin{array}{l} 10^6 \\ 10^9 \end{array} \right\} \approx \times 1000$

Frontier is the fastest computer w/

8,730,112 core and 1,102 Petaflop/s
(1 PFlop \approx Rat Brain)

BIG FIVE

- Apple
- Alphabet
- Amazon
- Facebook
- Microsoft