Economic Darwinism the next generation IT and everything

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Once upon a time ...



",Survival of the Fittest"

fitness ('fītnīs), n

- 1. the state of being fit
- 2. (Biology) *biology*
 - a. the degree of adaptation of an organism to its environment, determined by its genetic constitution
 - b. the ability of an organism to produce viable offspring capable of surviving to the next generation

Collins English Dictionary – Complete and Unabridged © HarperCollins Publishers 1991, 1994, 1998, 2000, 2003

http://www.thefreedictionary.com/fitness

Economic Darwinism



Economic Darwinism

Everyone is affected by Economic Darwinism

- All sectors
- Growing globalization on all levels
- Internet business
- More competitors per customer
- Higher customer expectations
- Lower customer loyalty

 \rightarrow In the long run only those will survive who meet the customer needs and demands best



IT is the nervous system

IT is vital

- All companies
- IT is not just supporter or "cost center" ...
- ... but it is the central nervous system
- Even short IT outages considered critical
- No business change without IT
- No new products without IT
- ➔ IT limits the maximum possible adaption rate of a company



IT is a key success factor for belonging to the survivors of the economic darwinism

What business needs from IT ...



How IT serves business ...





Agile ... ?



Business-related Change Drivers



But there is more ...



Business-related Change Drivers



















What has traditional IT to offer to respond to those challenges?







So, that should be easy for IT, right?

Then, why the @\$#%! ... ?

We base our optimization efforts on the wrong goals and principles

Fault avoidance as driver



What are the new goals?

Goals of a Next Generation (of) IT

Holistic consideration

Where can we learn how to implement it?

Let's learn from the wild ones

Goals of a Next Generation (of) IT

Holistic consideration

What are the new principles?

Principles of a Next Generation (of) IT The Core Principles

Maximizing innovation instead of minimizing costs

Controlled experiments instead of fault avoidance at any cost

Decentralized, self dependent teams instead of central control and goal sheets

Flexible adaption instead of static planning

Accepting complexity on all levels

Principles of a Next Generation (of) IT The Technical Principles

Diversity & lightweight tools instead of monoculture & integrated solutions

Resilience instead of stability

Microservices instead of monoliths

Elasticity instead of upfront capacity planning

Consistent automation of routine tasks

And what are the building blocks?

Adaptation

Process

People

Change Domains

Organization

Technology

Governance

So well, and what do we get from this?

Target state

Self-dependent, cross-functional teams instead of functional organizations Features instead of projects *Quick delivery* instead of complete solutions *Result focus* instead of process focus *T-shaped people* instead of subject experts Architectural constraints instead of blueprints Values & goals instead of command & control *Re-implementation* instead of re-use Diversity instead of standardization *Resilience* instead of stability

Currently the old wisdom becomes stale and hypes become essentials

Fashions become Fundamentals

It's the most disruptive and exciting change we have seen in IT for many years

Join the IT revolution!

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