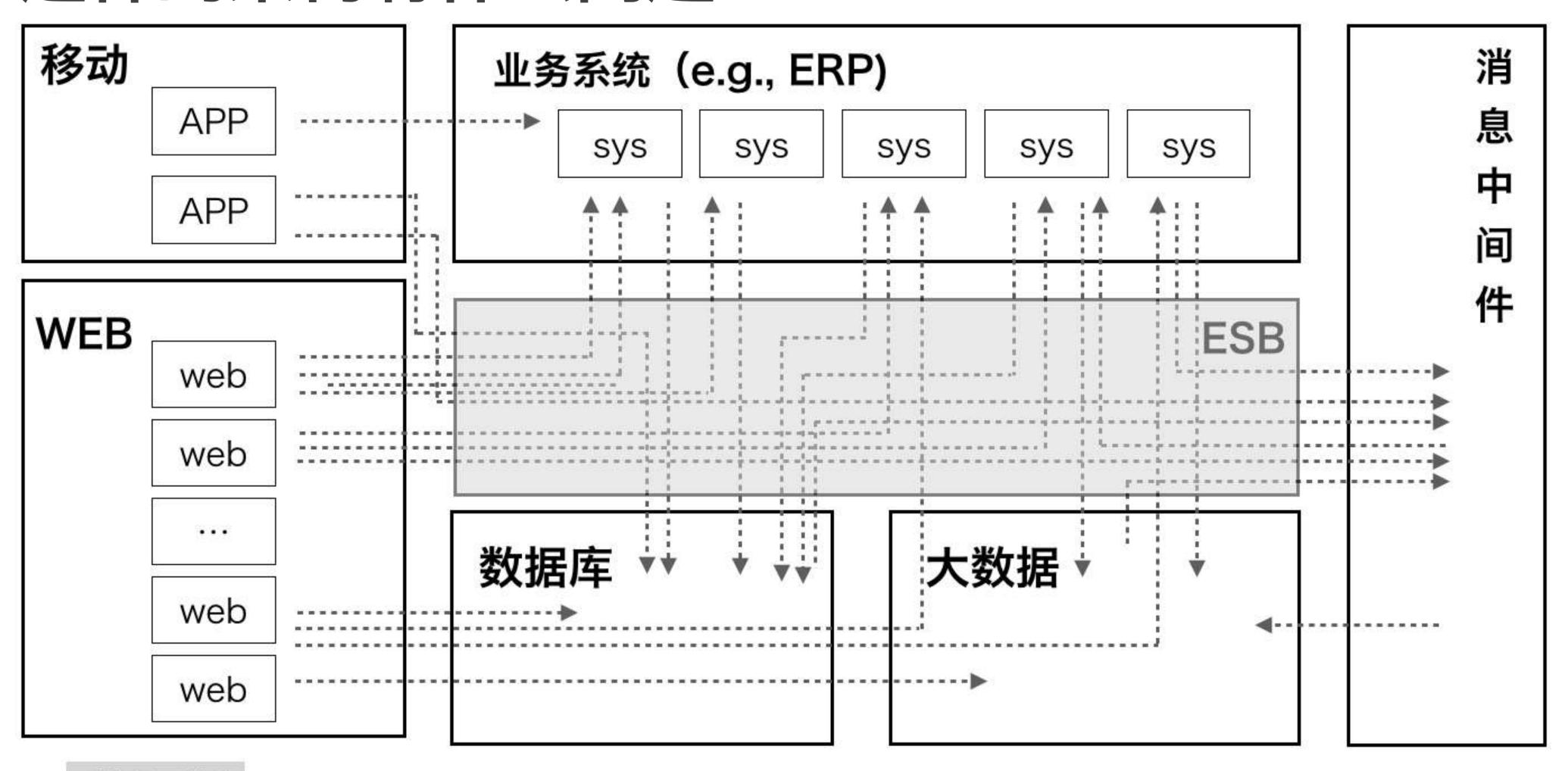


这样的架构有什么问题?



这样的架构有什么问题?

微服务治理

服务发现

服务配置

服务认证

服务路由

负载均衡

流量整形

健康度监控

失败隔离与恢复

微服务设计

领域驱动设计

绞杀应用模式

RESTful

断路器

命令与查询职责分离

守门人

消息总线

轻量级消息

补偿性事务

事件源

领导者选举

微服务交付

服务模版

服务组件测试

消费者驱动契约测试

部署流水线

基础设施即代码

服务容器化

微服务组织

跨职能小团队

全生命周期职责

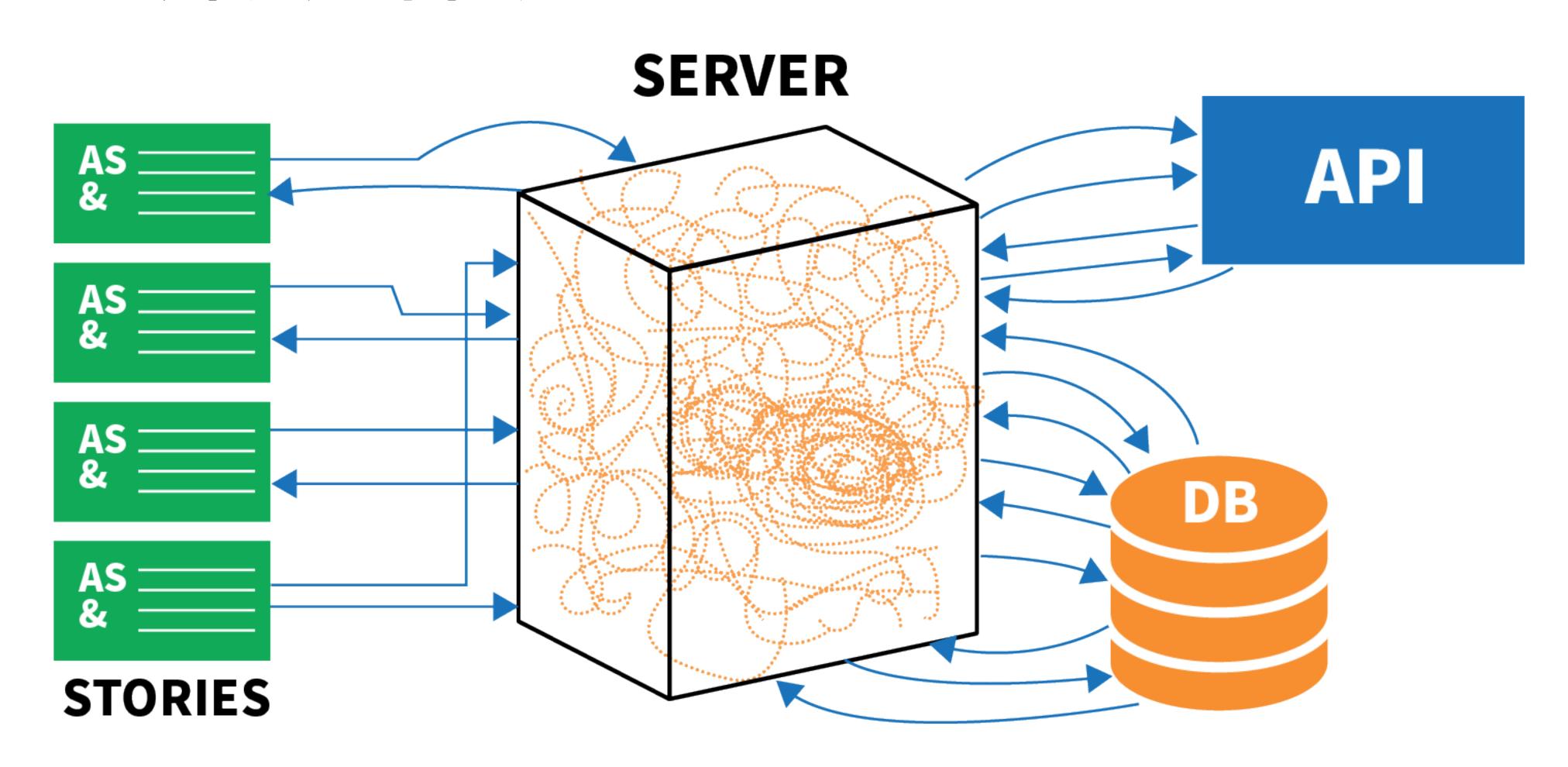
自助运维

我们忘记了时间

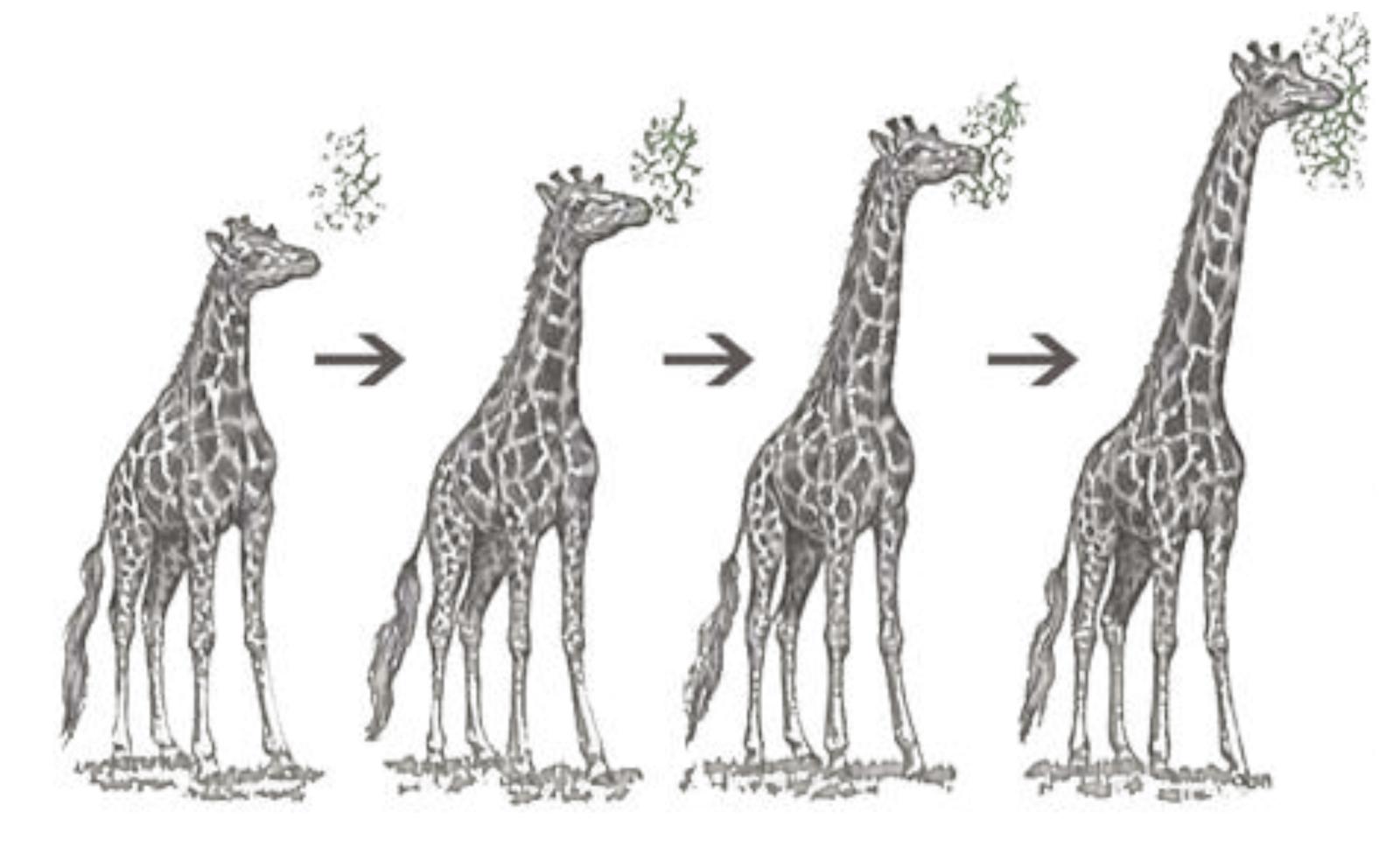




我们怎么解决这个问题?



大自然怎么解决这个问题?



在1809年出版的《动物哲学》(Philosophie Zoologique)

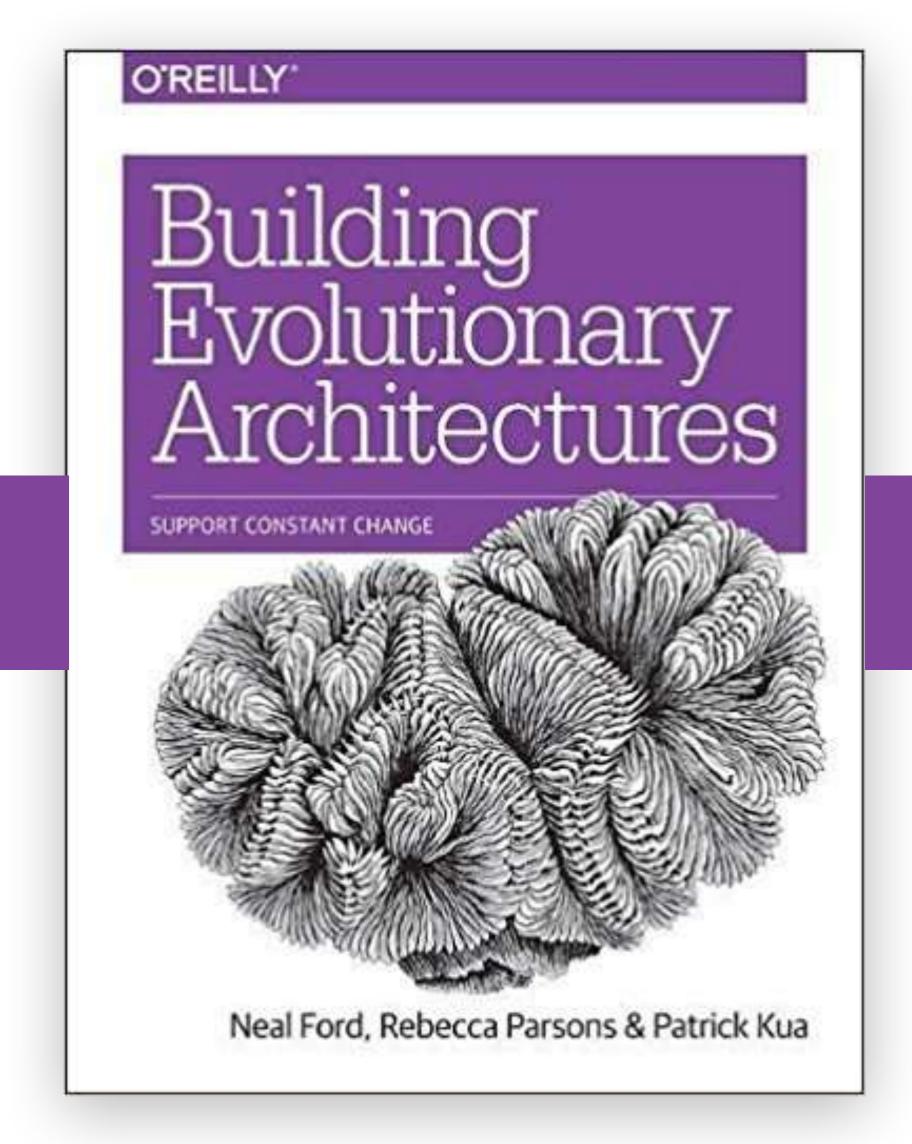
没有终点的架构

Table 1-1. Partial list of "-ilities"

accessibility	accountability	accuracy	adaptability	administrability
affordability	agility	auditability	autonomy	availability
compatibility	composability	configurability	correctness	credibility
customizability	debugability	degradability	determinability	demonstrability
denendahility	denlovahility	discoverability	distributability	durability

Evolvability

mobility	modifiability	modularity	operability	orthogonality
portability	precision	predictability	process capabilities	producibility
provability	recoverability	relevance	reliability	repeatability
reproducibility	resilience	responsiveness	reusability	robustness
safety	scalability	seamlessness	self-sustainability	serviceability
securability	simplicity	stability	standards compliance	survivability
sustainability	tailorability	testability	timeliness	traceability



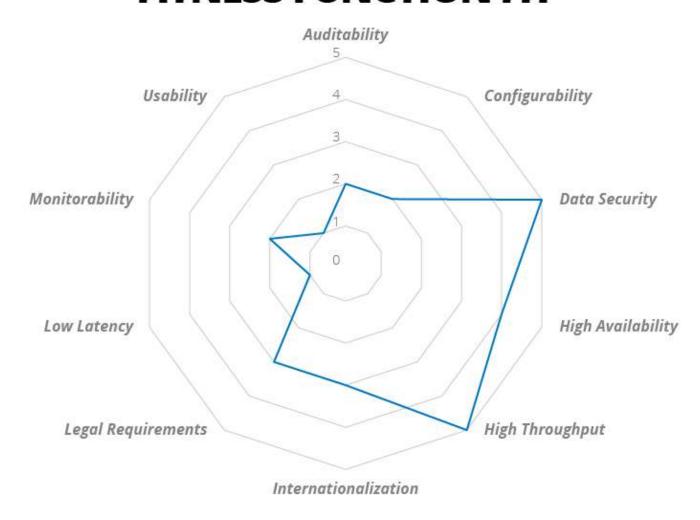
适者生存: 适应度方程

FITNESS FUNCTIONS

A fitness function is a particular type of objective function that is used to summarise, as a single figure of merit, how close a given design solution is to achieving the set aims.

Fitness function - Wikipedia
https://en.wikipedia.org/wiki/Fitness_function

FITNESS FUNCTION FIT

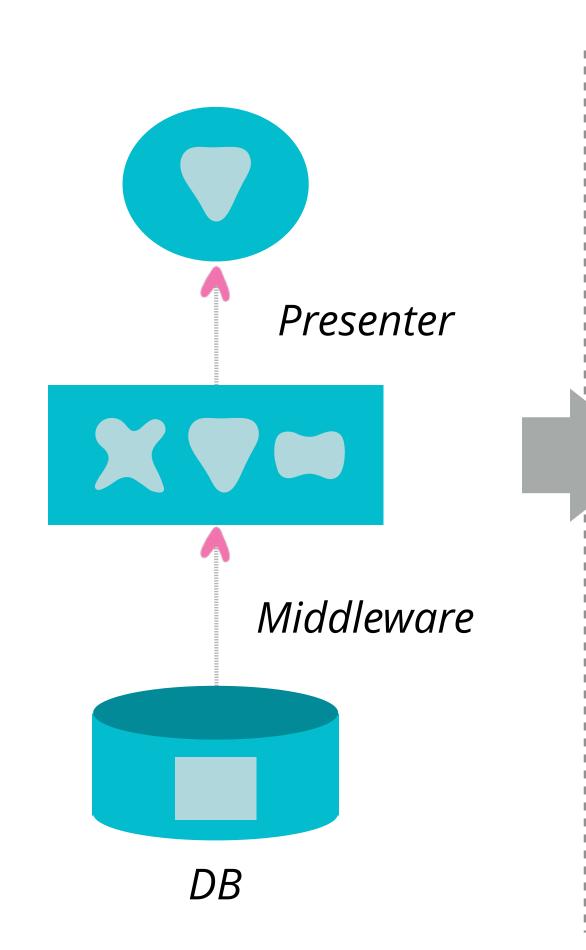


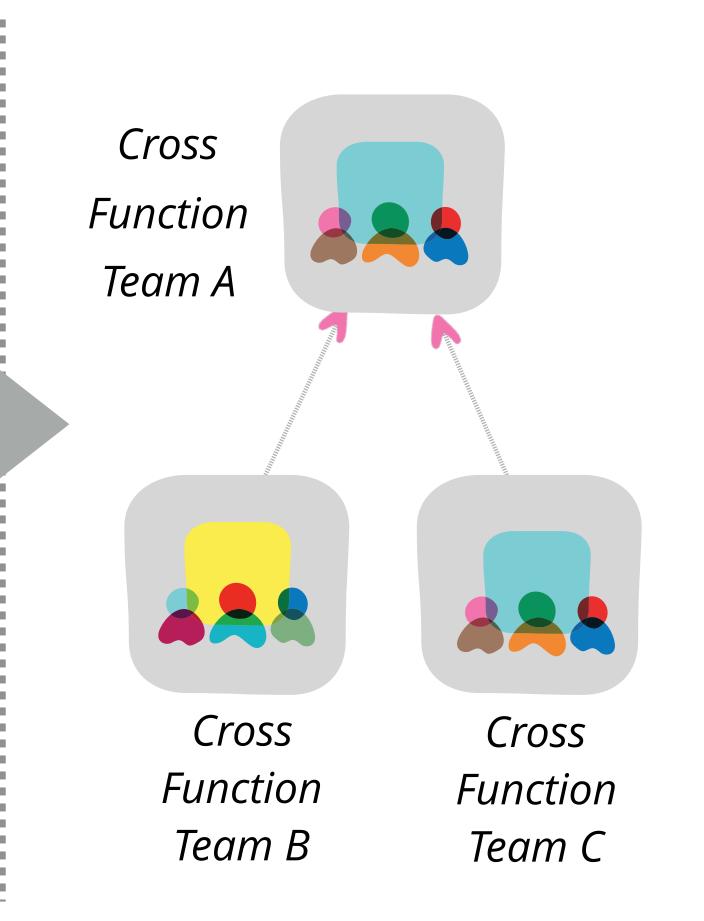


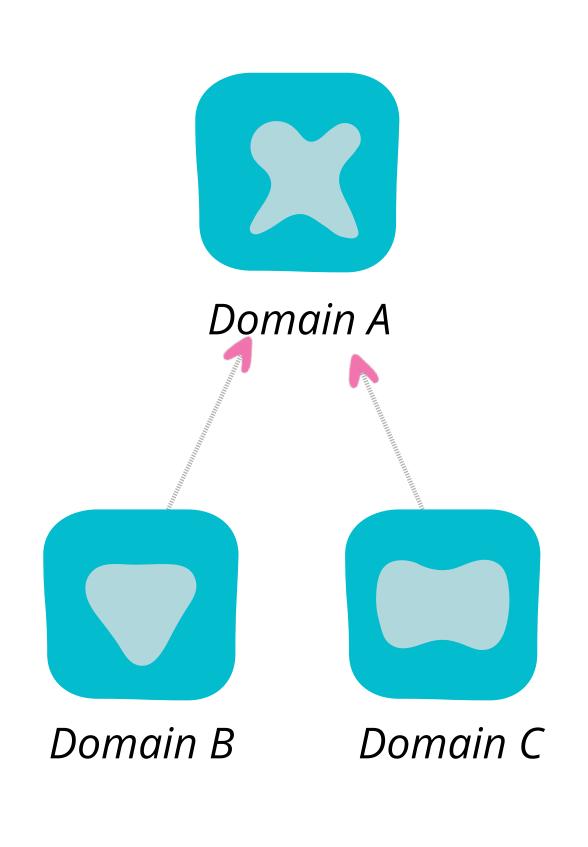
1500 characters with color, size and location attributes to create an image that matches Mona Lisa. Final fitness came to 90.6% with 1700 generations. Source: https://www.youtube.com/watch?v=TManzvC9pi8

架构和组织共同进化





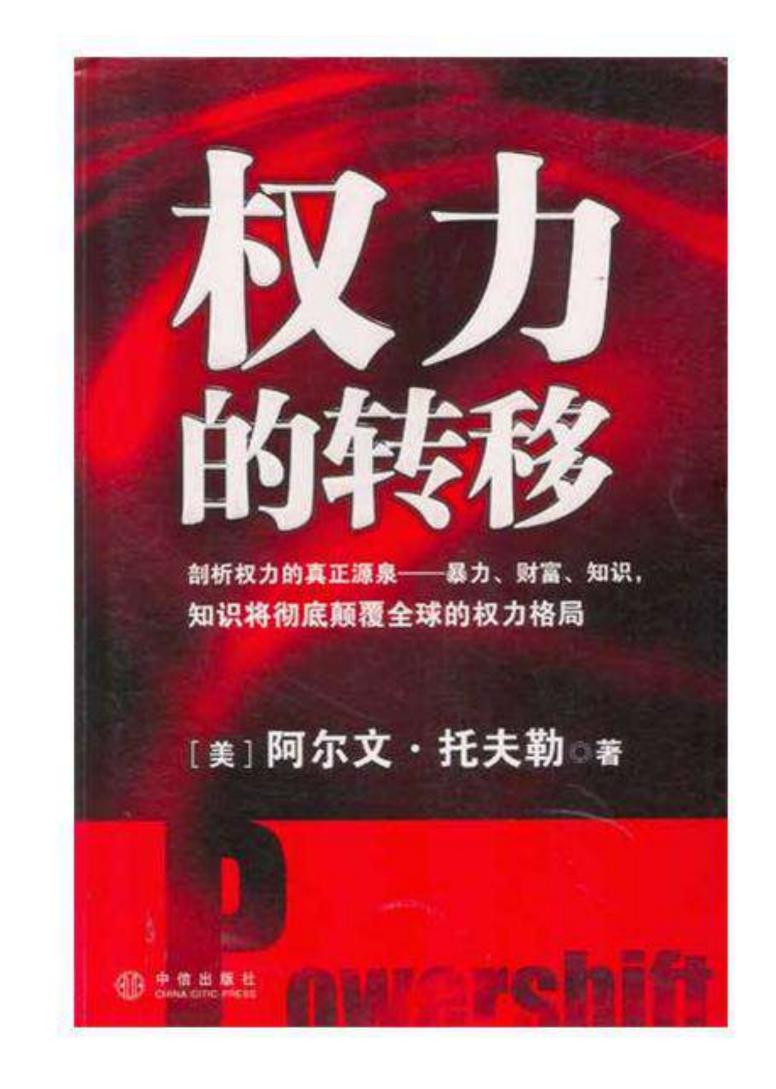




应该怎样进化?



不确定中的确定



ThoughtWorks*

怎样适应进化?



为不确定性架构

快速反馈



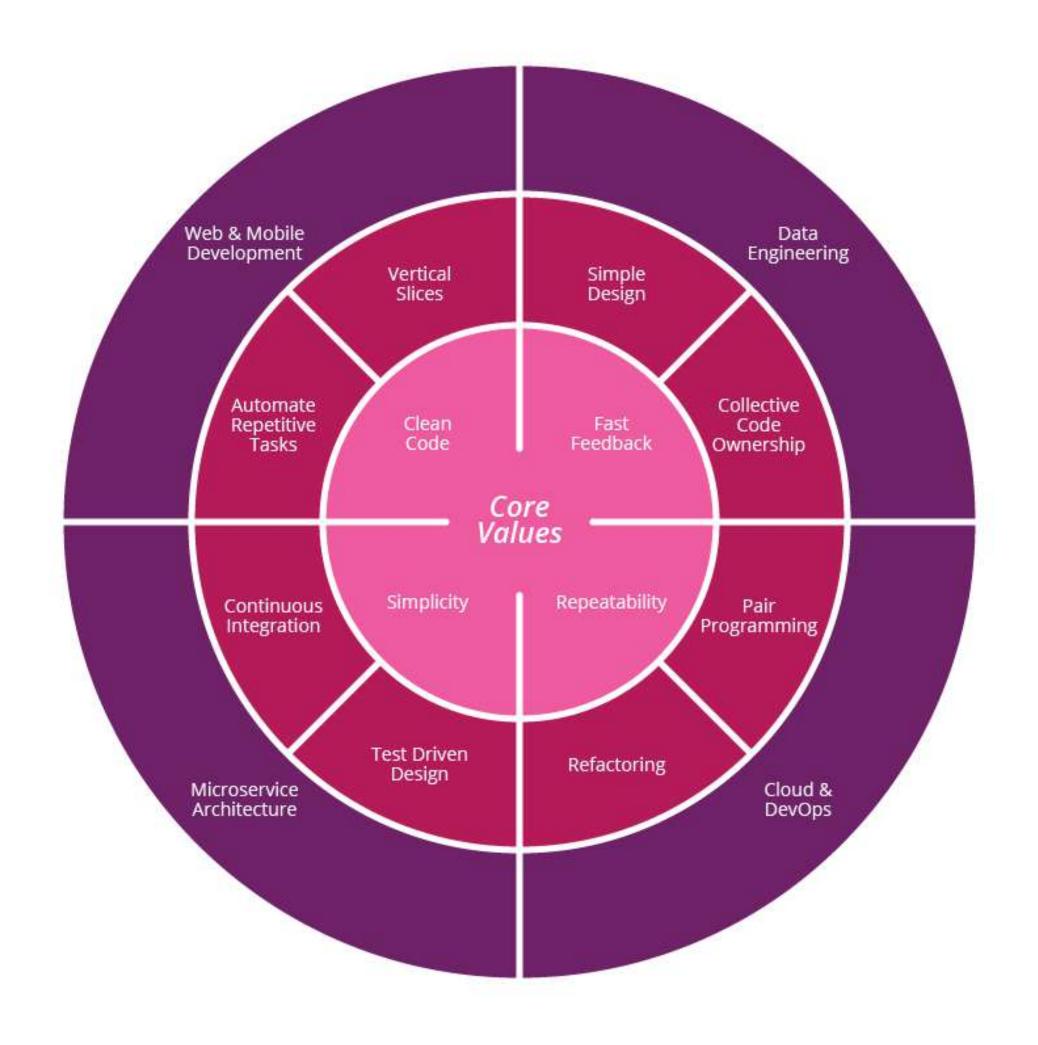
重复可见



追求简单



整洁代码



https://www.thoughtworks.com/insights/blog/what-areour-core-values-and-practices-building-software

考虑进化,做一个有节操的工程师!

Dec 2017

肖然 @ DDD China