

DevOps - расширение Agile подходов на эксплуатацию

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Знакомство

wheely



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Что такое DevOps?



Agile?

- Agile Infrastructure - до 2008 года
- DevOps - с 2009 года
- <http://web.devopstopologies.com/>

Time to market



Puppet State of DevOps 2017 Report

	2016	2017
Deployment frequency	200x more frequent	46x more frequent
Lead time for changes	2,555x faster	440x faster
Mean time to recover (MTTR)	24x faster	96x faster
Change failure rate	3x lower (1/3 as likely)	5x lower (1/5 as likely)

Закон Конвея



Dr. Conway is manager, peripheral systems research, at Sperry Rand's Univac Div., where he is working on recognition of continuous speech. He has previously been a research associate at Case Western Reserve Univ., and a software consultant. He has an MS in physics from CalTech and a PhD in math from Case.

- Мелвин Конвей, 1968
- <http://evtuhovich.ru/blog/2016/10/05/conways-law/>
- http://www.melconway.com/Home/Committees_Paper.html

Формулировка

Организация, которая создает систему, ограничена дизайном, который копирует структуру коммуникации в этой организации

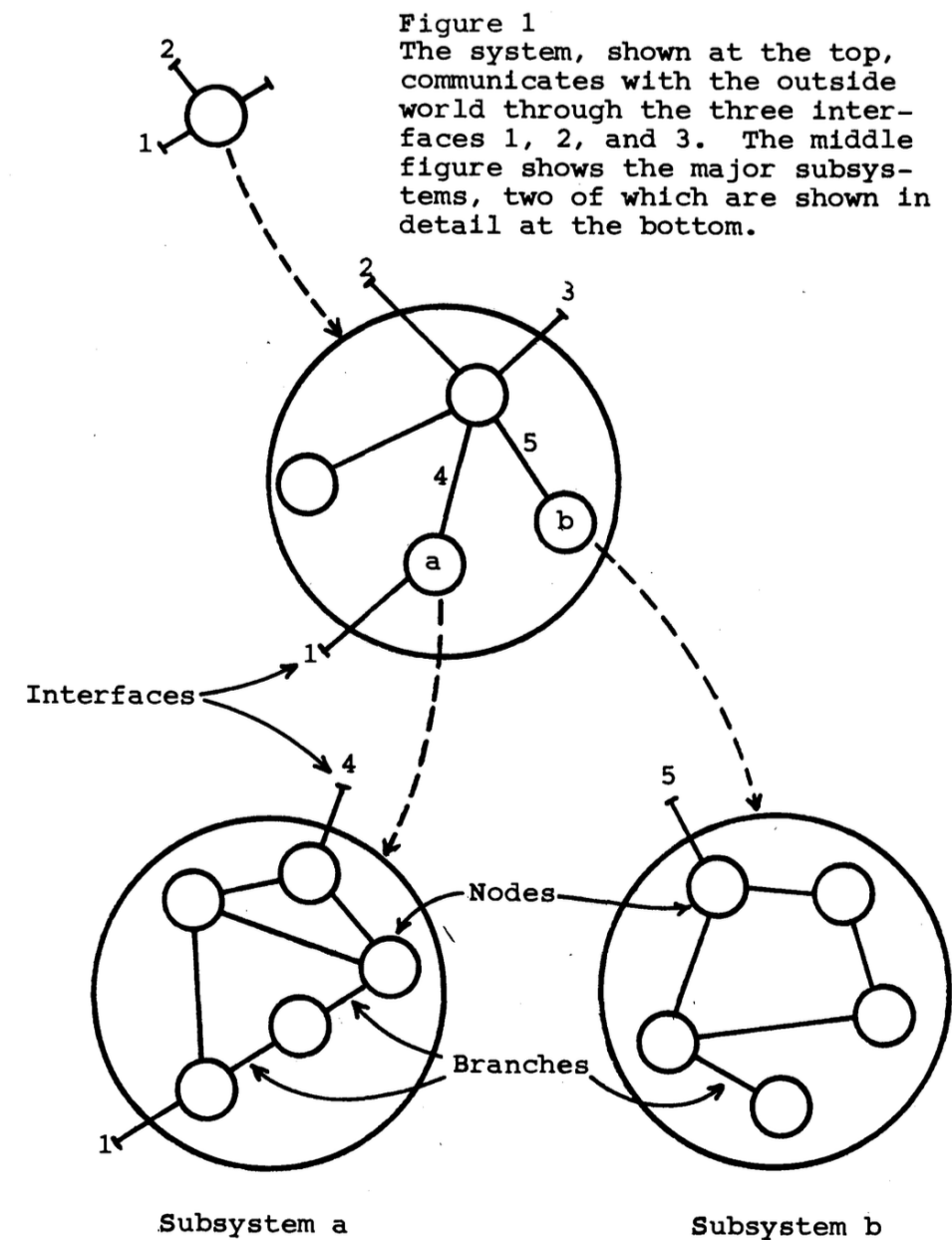


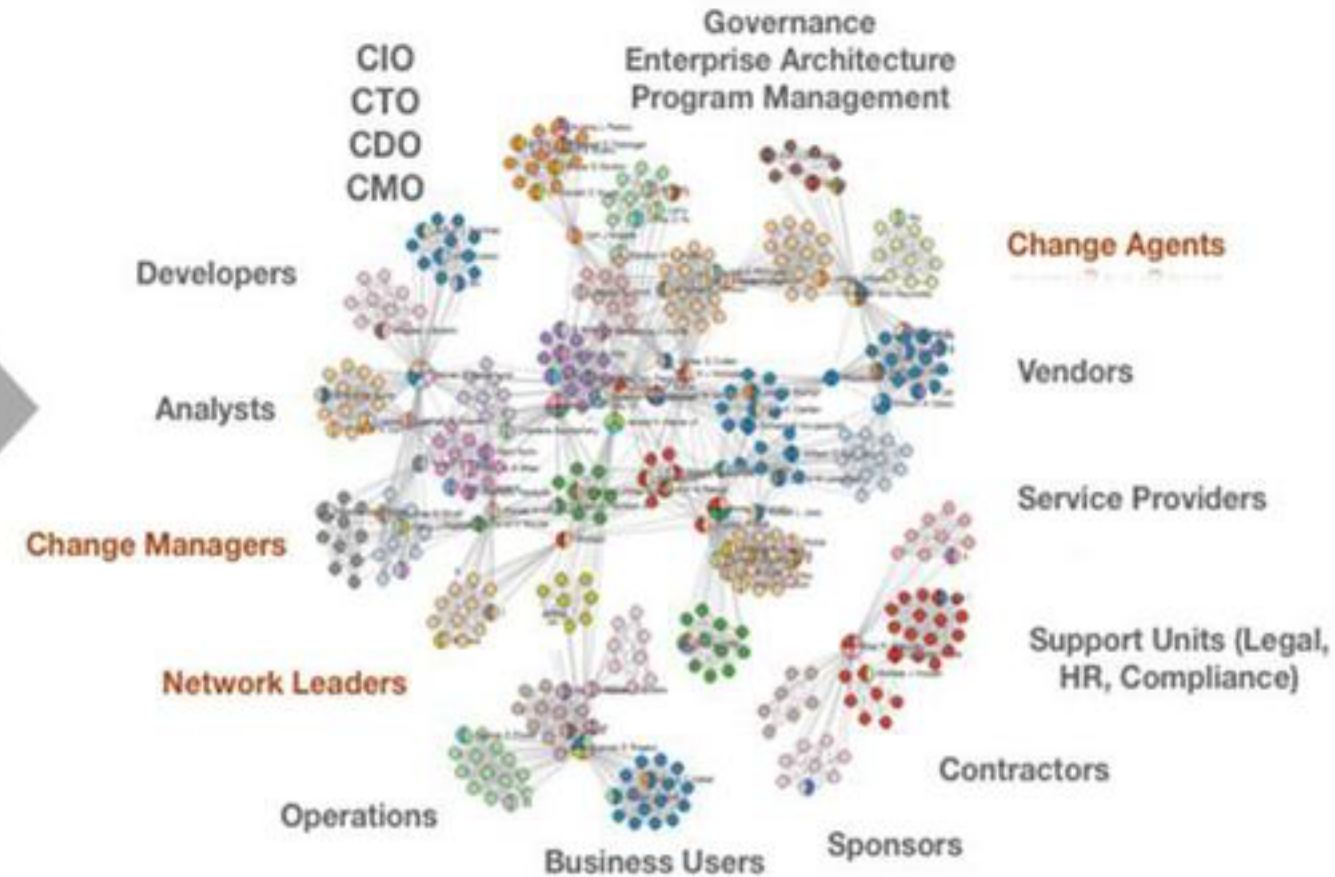
Fig. 1

Old Model of IT

centralized hierarchical
automation of business

New Model of IT

decentralized network enablement
of digital transformation



- Applies technology to what the business does today
- Good at maintaining status quo
- Focus on efficiency, economy of scale, continuity
- Well-defined processes designed for monolithic IT

- Explores how technology re-imagines the business
- Good at managing constant technology change
- Focus on responding to opportunities at scale
- Dynamic self-organizing processes for small IT in volume

Практики

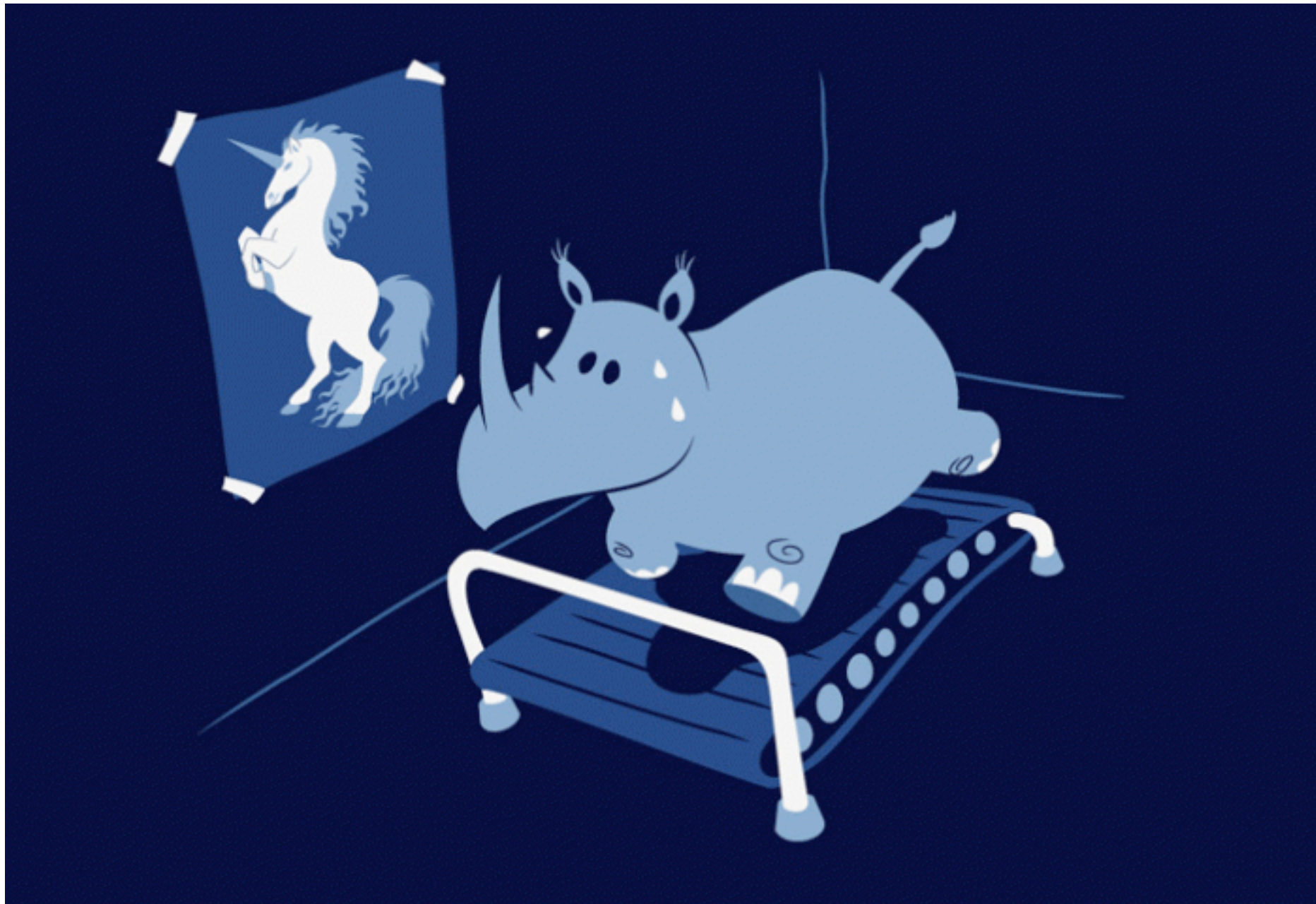
- Управление конфигурацией и инфраструктура как код
- Непрерывная поставка ПО (Continuous Delivery)
- Непрерывный мониторинг
- Тестирование

Технологии

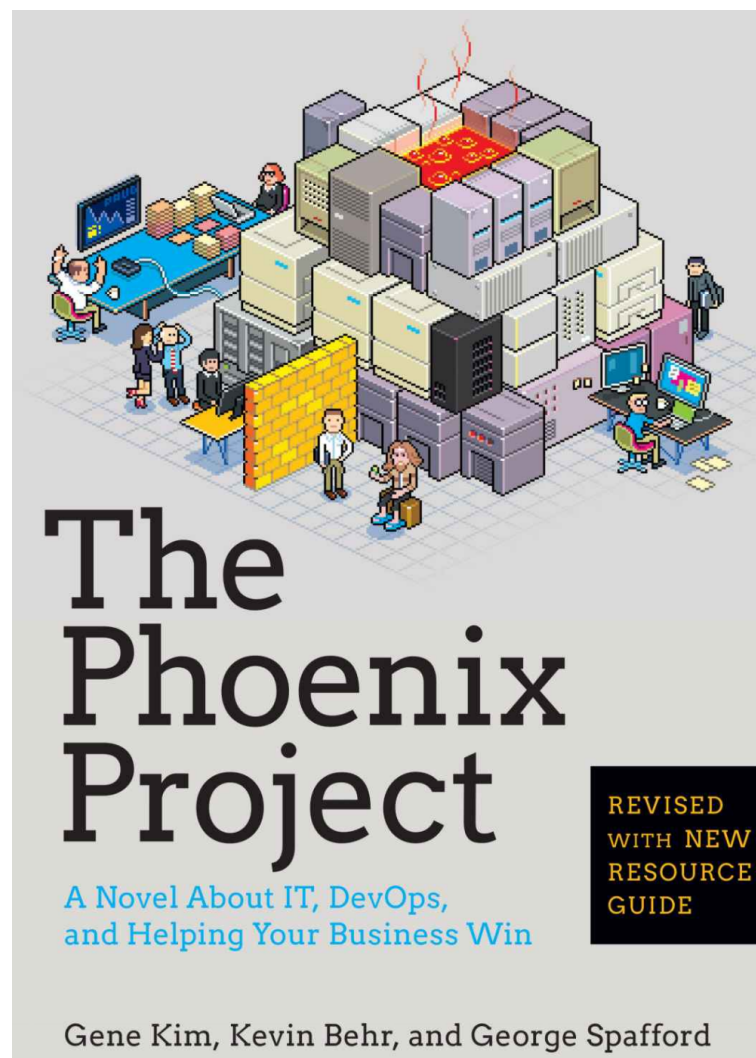


- Ansible (Chef, Puppet, SaltStack)
- Virtualization, OpenStack
- OpenShift (Kubernetes, Mesosphere)

Культура ест стратегию на завтрак



КНИГИ



Философия DevOps

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Effective DevOps

BUILDING A CULTURE OF COLLABORATION,
AFFINITY, AND TOOLING AT SCALE

Jennifer Davis & Katherine Daniels

DevOps консультанты



DevOps сообщество

- <http://hangops.ru>
- <http://devopsdeflope.ru>
- https://telegram.me/ru_devops
- <https://hangops.slack.com/>

DevOps события

- <http://www.meetup.com/DevOps-Moscow-in-Russian>
- <https://www.osp.ru/iz/agiledevopsitil2017/>
- <http://www.highload.ru/>
- <http://www.devopspro.ru/>



DEVOPS ★ Дефлоне

Вопросы?

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