

OpenShift and Automation of Configuration

Jacob Borella



The digital transformation



New way of interacting with customers.



Dankort @dankort.danmark

Startside Om Billeder Anmeldelser Videoer Opslag Fællesskab Opret en side

Anmeldelser
3,0 ★★★★★ 24 anmeldelser

Fortæl folk, hvad du synes ★★★★★

Christian Koch ★★★★★ · 23. juli 2017
Ustabil og utroværdig. Ville fx gerne have en mulighed for at skulle godkende alle betalinger uanset beløb. ... Se mere

Mathias George Vasiliadis ★★★★★ · 4. august 2017
Prøvet 4 gange. Uden at virke nogle af gangene. NFC ville være ideelt men det har i heller ikke. Lad hver med at smid noget ud der ikke virker bare for at konkurrere...

Se alle

#dankort

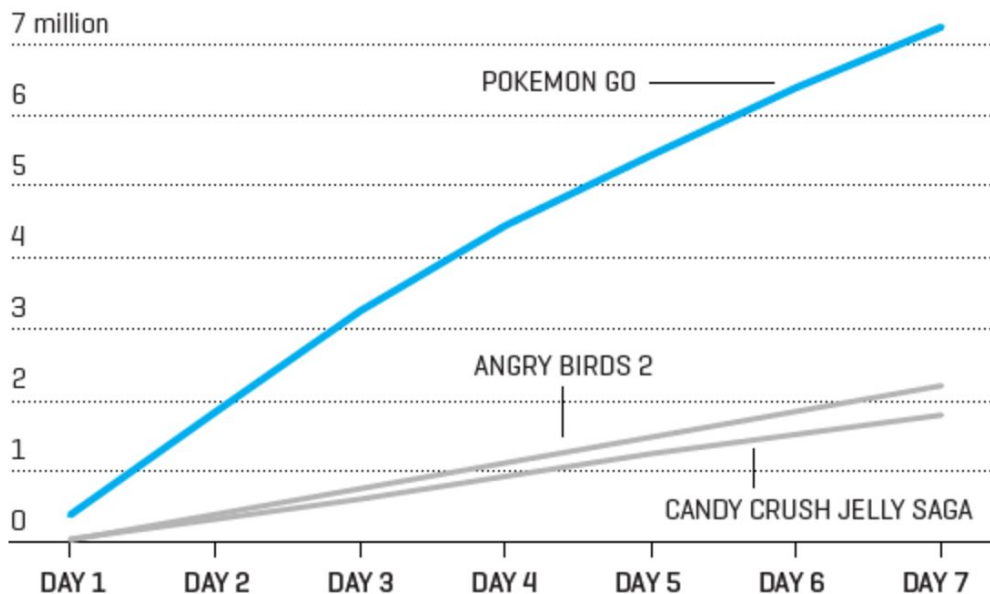
Du kan nå det endnu - is til 1 krone på Banegården
To PR-medarbejdere fra Nets står lige nu på Banegården og sælger is til 1 krone. Du kan stadig nå at få fat i en, hvis du downloader og betaler med den...
stiften.dk

Anders H. @Eneste_Ene · 18. jul.
Først dankortet og nu er e-boks nede, det har været en god dag for Nets
#dankort #eboks #dkpol

TV 2 NEWS @tv2newsdk
e-Boks ramt af nedbrud nyheder.tv2.dk/samfund/2017-0

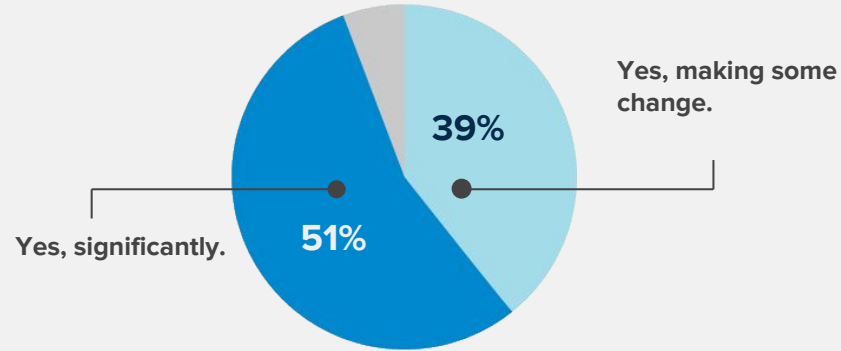
New usage patterns

NUMBER OF CUMULATIVE GAME DOWNLOADS

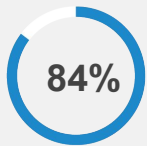


SOURCE: SENSORTOWER ESTIMATES

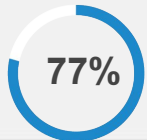
90% OF CEOS ARE CHANGING HOW THEY USE TECHNOLOGY



A NEW COMPETITIVE ENVIRONMENT

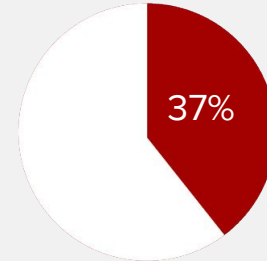


Feel they are expected to address wider stakeholder needs.

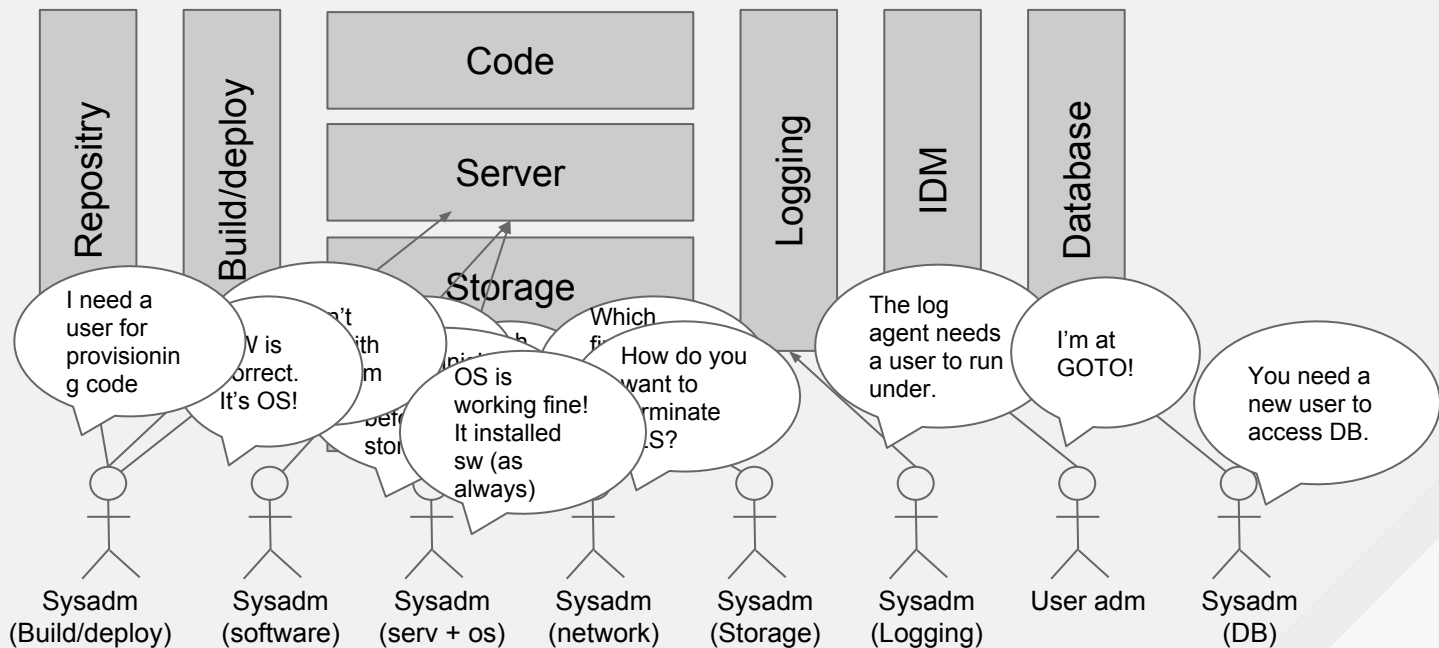
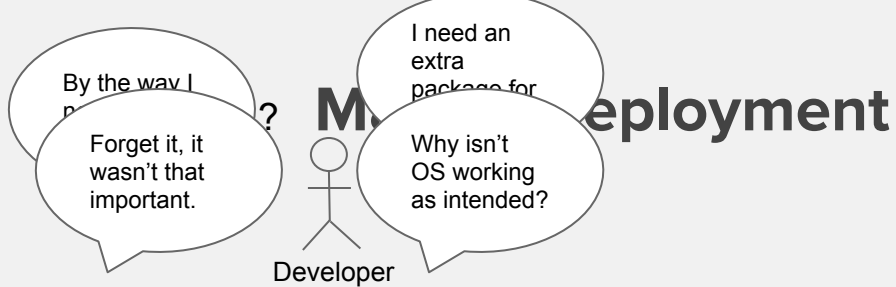


Technology is one of the top 3 influencers transforming stakeholder expectations for the business

EXPECTED DIGITAL BUSINESS REVENUE



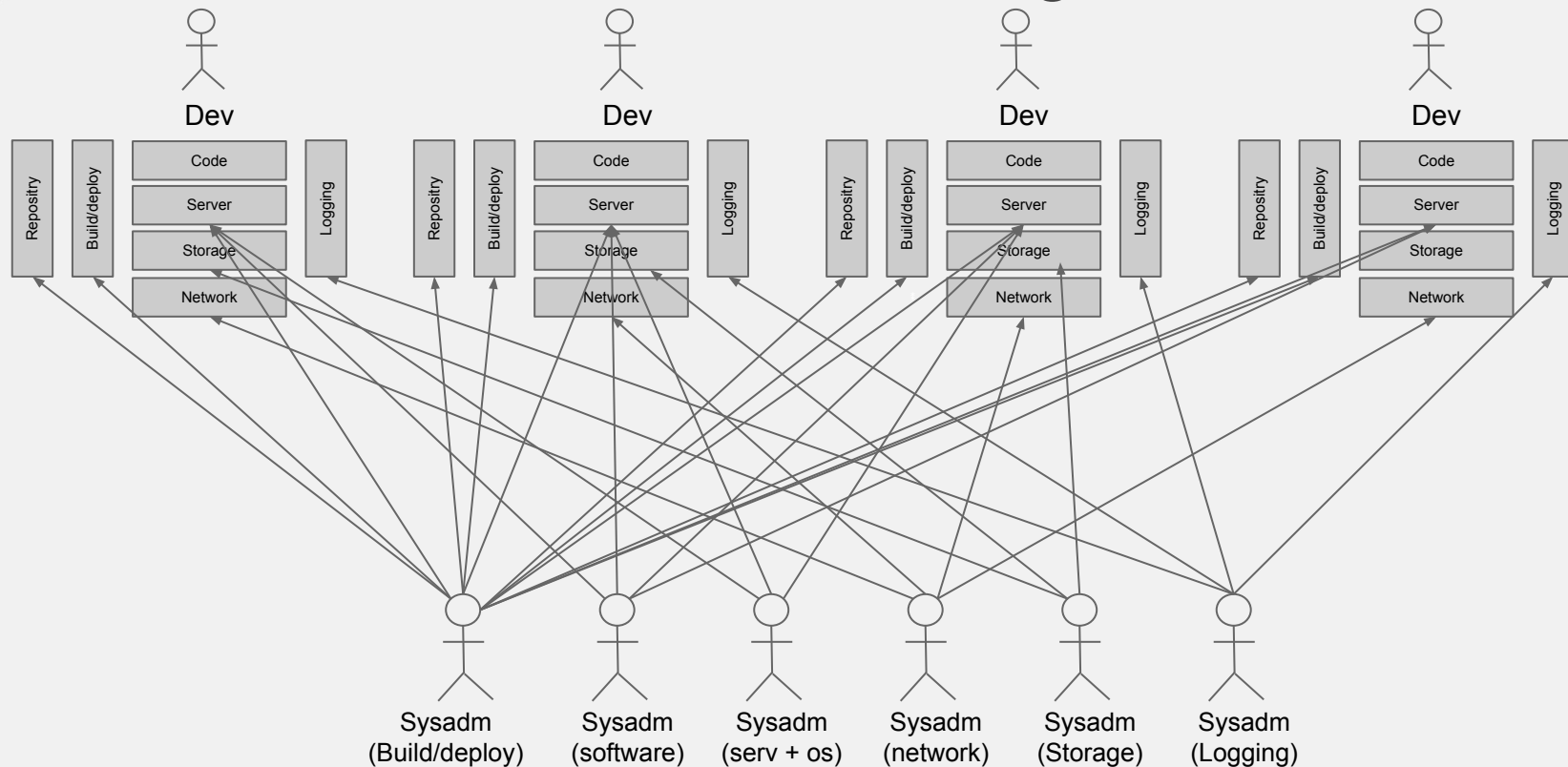
CIOs expect digital revenue to grow from 16% to 37% in the next 5 years.



The order form



Let's solve it with agile!



How do you enable Digital Transformation?

It requires an evolution in....



Applications

New ways of developing, delivering, and integrating applications



Infrastructure

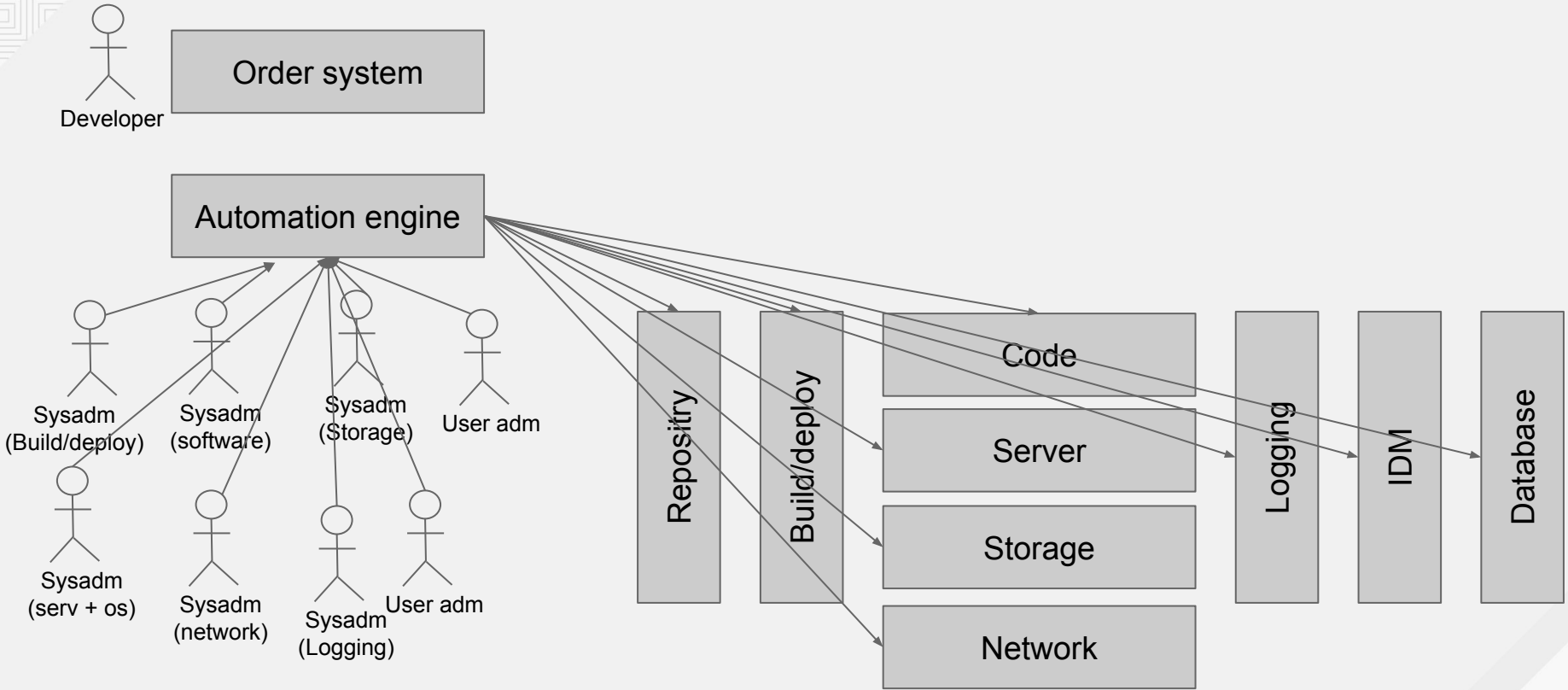
Modernize existing and build new cloud-based infrastructure



Process

More agile process across both IT and the business

Automated deployment



Important properties of configuration as code

- Easy to understand/read
- Built in error detection
- Idempotent
- Provide standard modules

Containers Transform



Monolith



N-Tier



Microservices

Applications



Datacenter



Hosted



Hybrid

Infrastructures



Waterfall



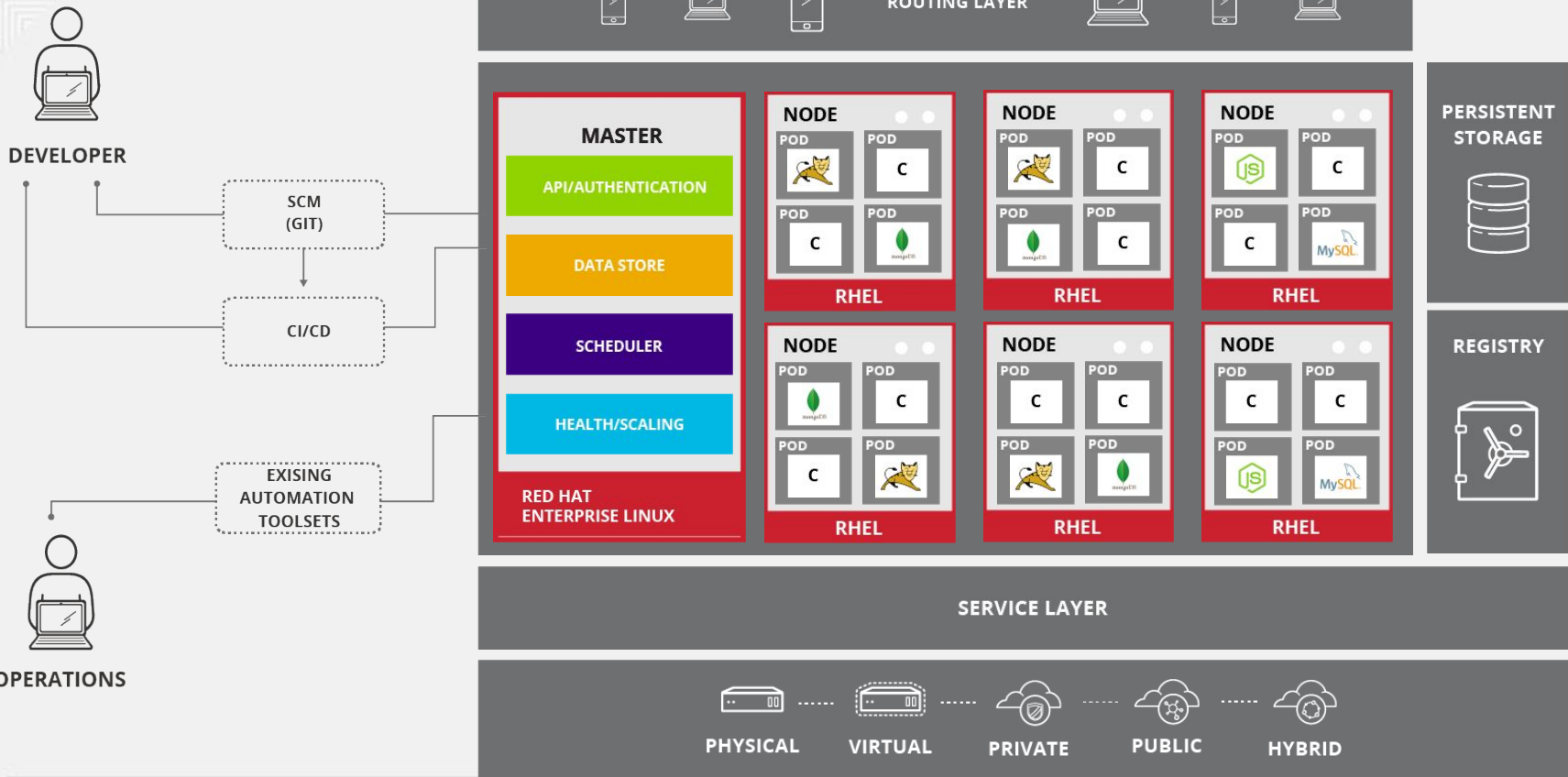
Agile



DevOps

Processes

10,000 foot overview



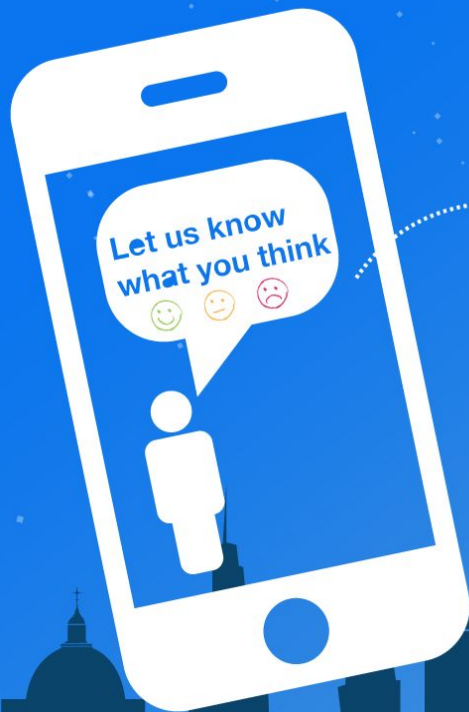
DEMO

Best practises

- Use declarative, easy to use language to describe your configuration.
- Keep everything under version control
- KISS
- Test configuration as any other code, peer review
- Transparency

Relevant projects for Ansible automation

- <https://github.com/openshift/openshift-restclient-python>
- http://docs.ansible.com/ansible/latest/list_of_all_modules.html



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