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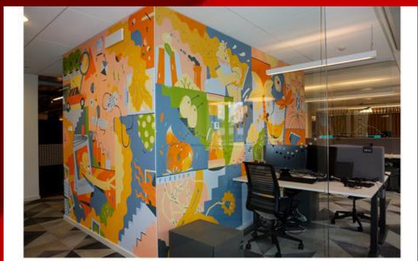
OPENSHIFT: A KUBERNETES STORY DANSKE BANK

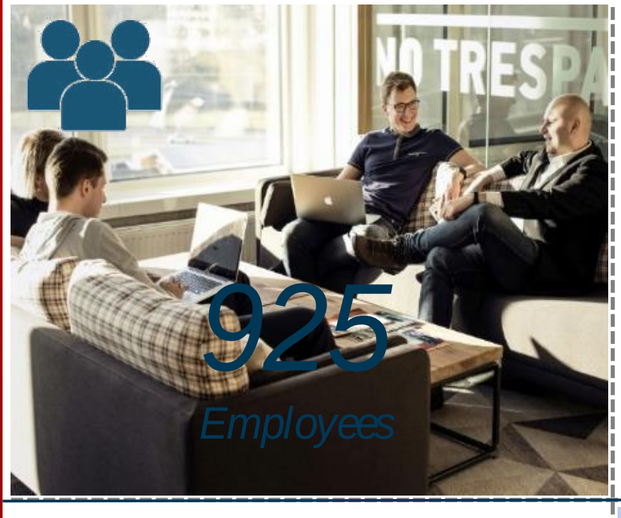
Devops Pro Europe, 2019-03-21, Vilnius

Simonas Kareiva
Lead platform engineer / Distributed Technologies
Danske Bank A/S

Danske Bank: Group IT Lithuania



DGITL at a glance: YEAR 2019



925
Employees

Colleagues from
>350
companies

Employees from
13
countries

Average length of service
1.75
years

CTO 434/ DEV. 491

25 % / 75 %

86%
with university degree

Average age
30
Managers
34

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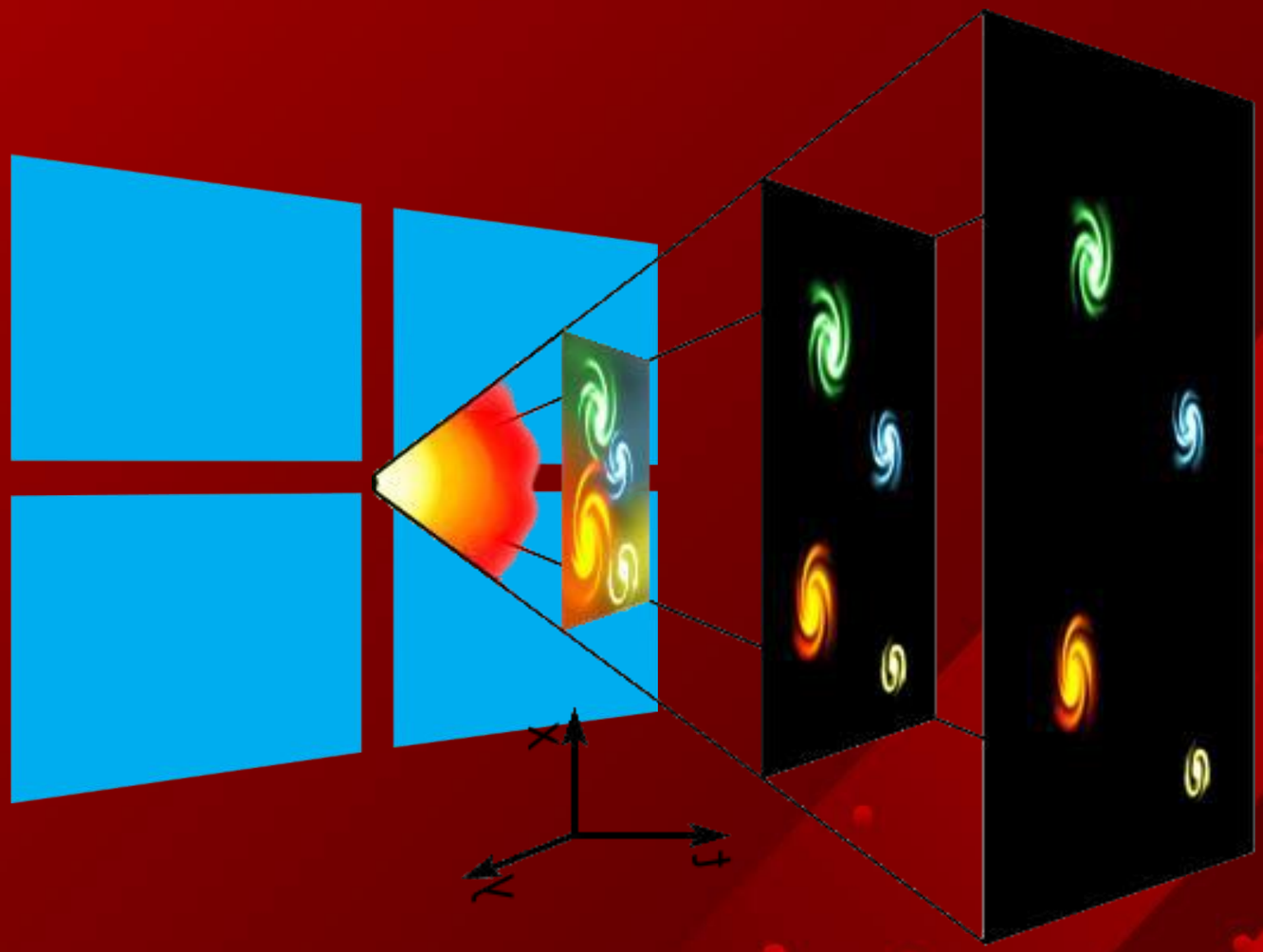
BUT BACK TO YEAR 2014



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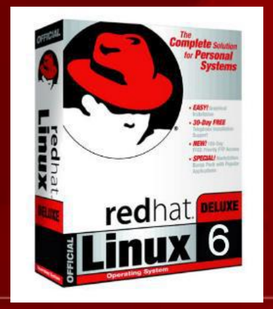
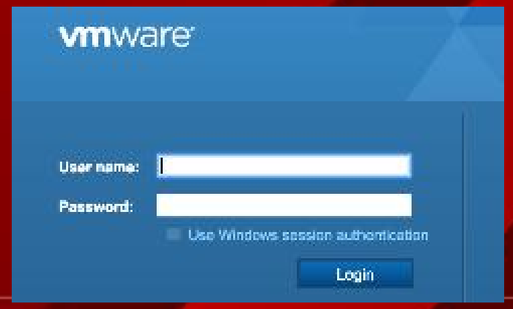
YEAR 2015

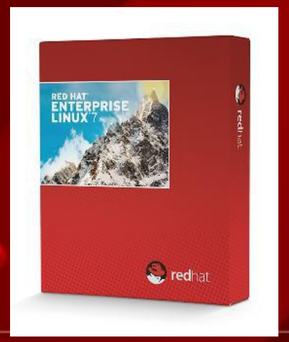
- Linux platform insourcing (20 servers)
- Red Hat Enterprise Linux 6 + Chef
- Linux in Private Cloud v1
- First RabbitMQ steps





YEAR 2016

- Red Hat Enterprise Linux 7!
- Private Cloud moves to ServiceNow
- Elasticsearch + Logstash + Kibana on Linux
- **Idea of OpenShift Enterprise presented:** 2016 12 02



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YEAR 2017

- Danske eBanking moves parts of it Linux
- Development on RHEL6 ceases
- Jenkins + Chef CI/CD
- **OpenShift v3.4 goes live!**

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YEAR 2018

- Cloud v2 with OpenShift as main compute platform
- OpenShift:
  - launches in DMZ zone
  - goes bare metal
  - upgrade to version 3.7

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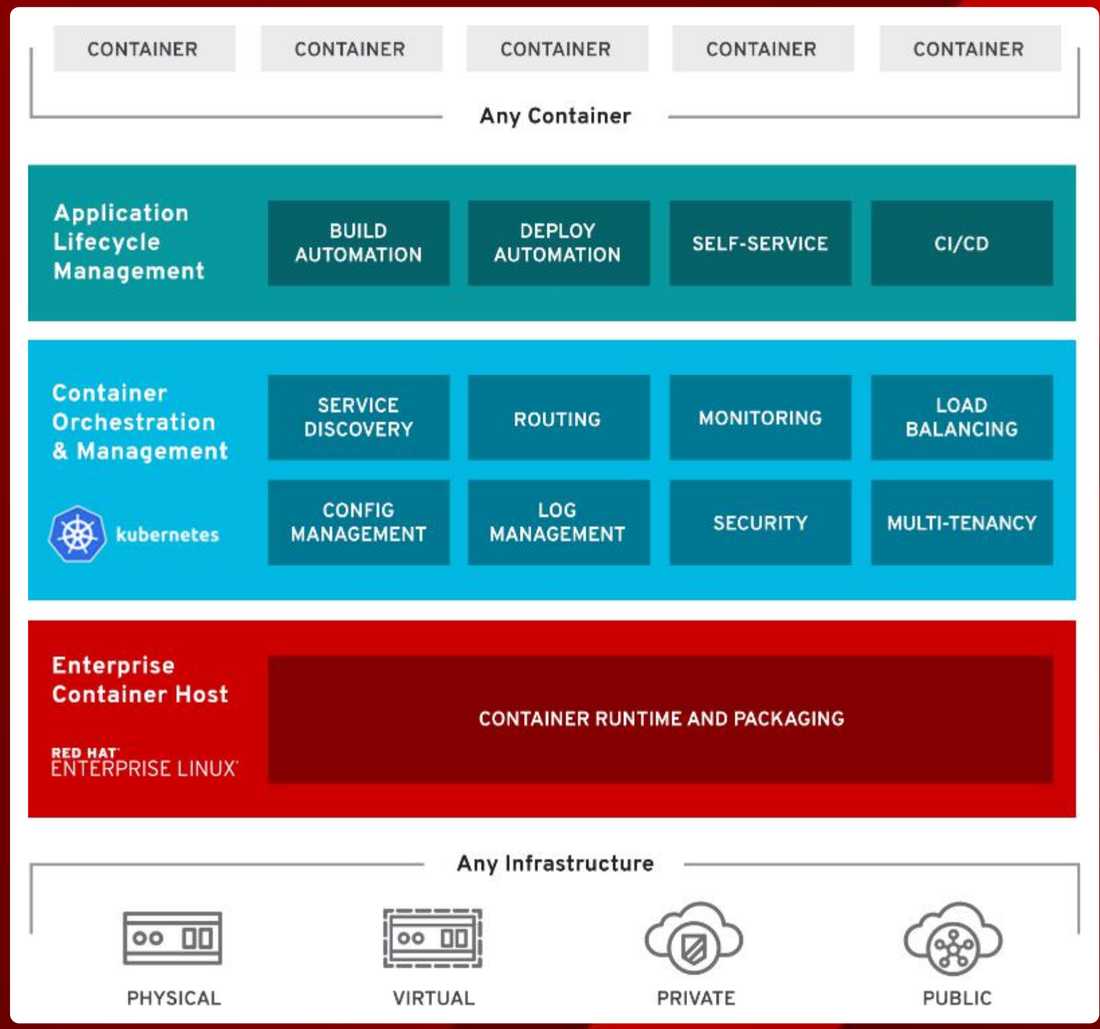
SO WHAT IS OPENSHIFT

- Application platform for containers
- Focus on writing the code!
- Self-service build & deploy
- Scaling, CI/CD and lifecycling



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WHY DEVS USE IT?

Effort required to set up a simple .NET Core application:

Servers:

2 days

PaaS:

15 minutes

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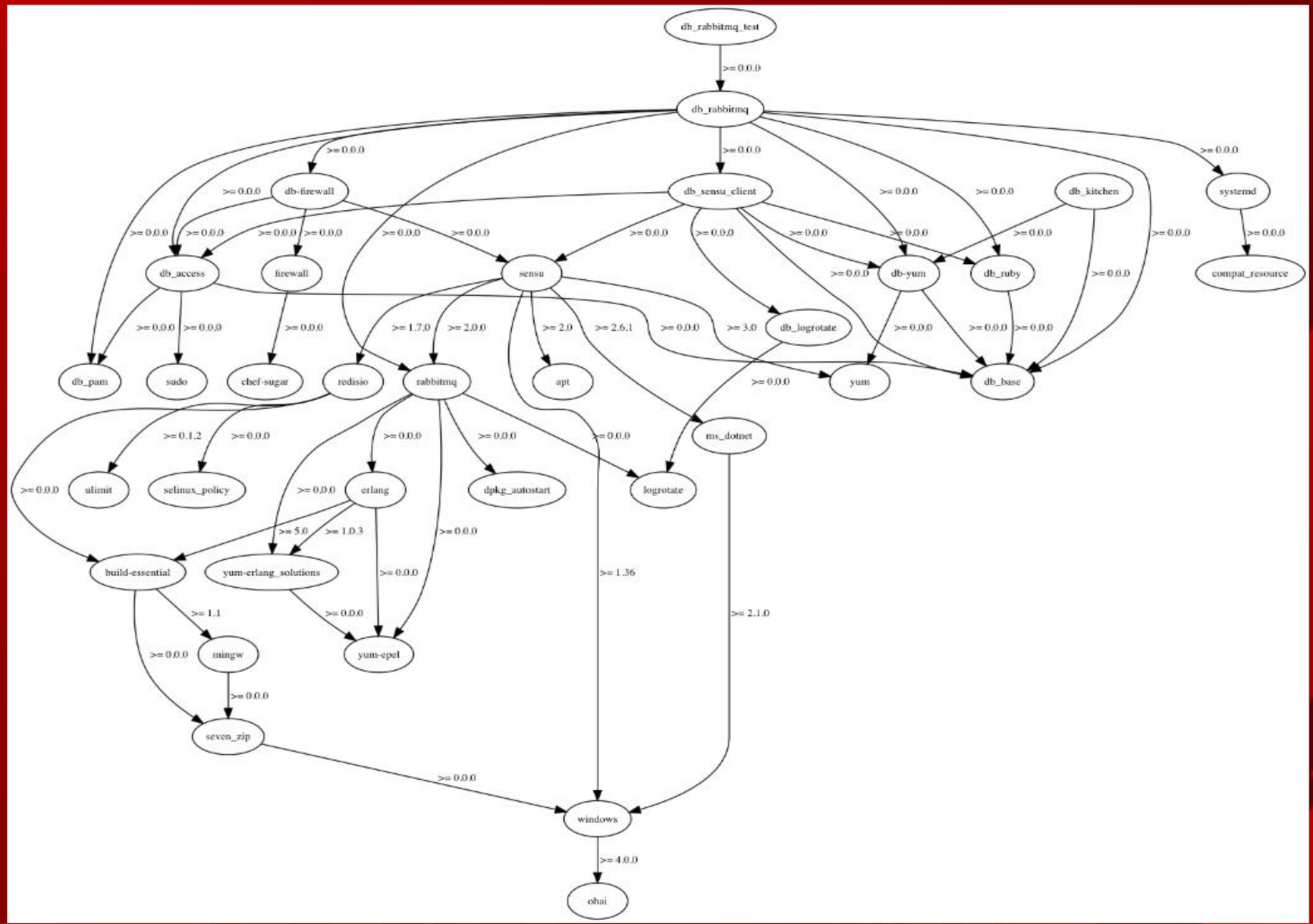
WHY OPS USE IT?



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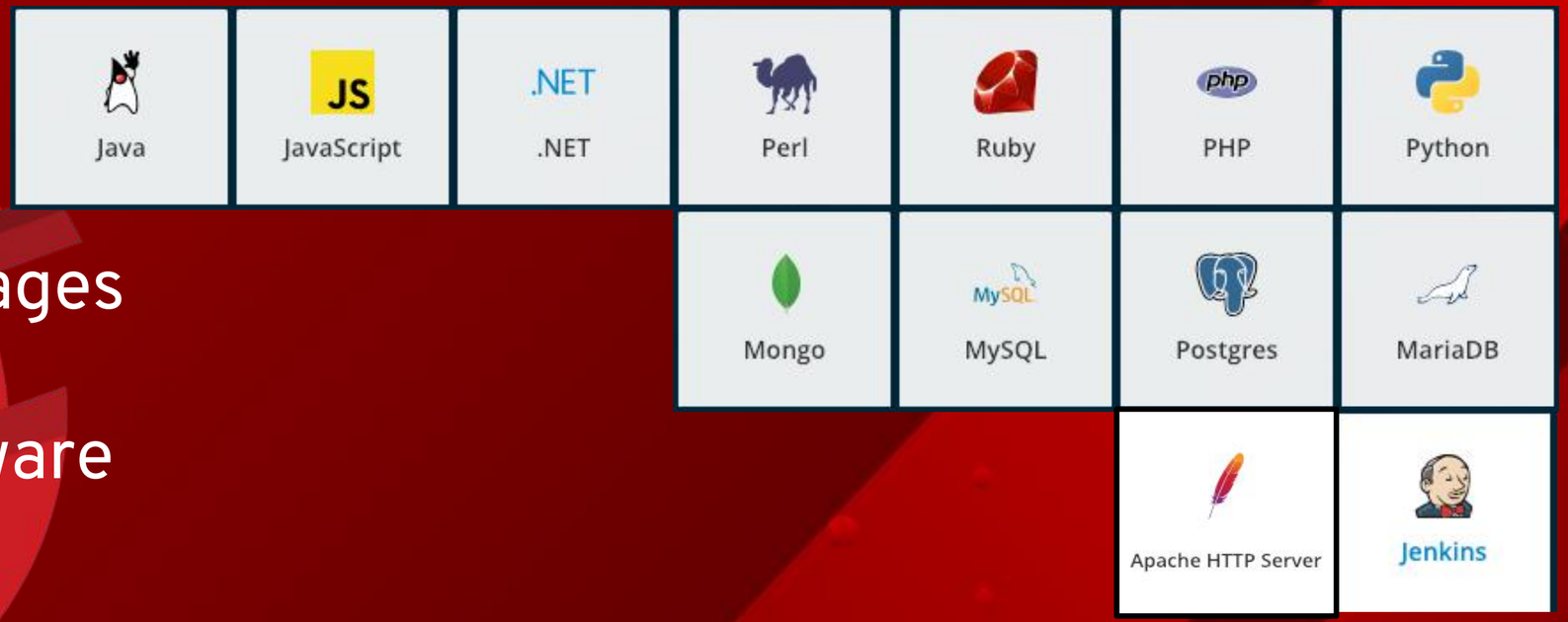
WHAT IS INSIDE

- Programming languages
- Databases / Middleware
- CI/CD



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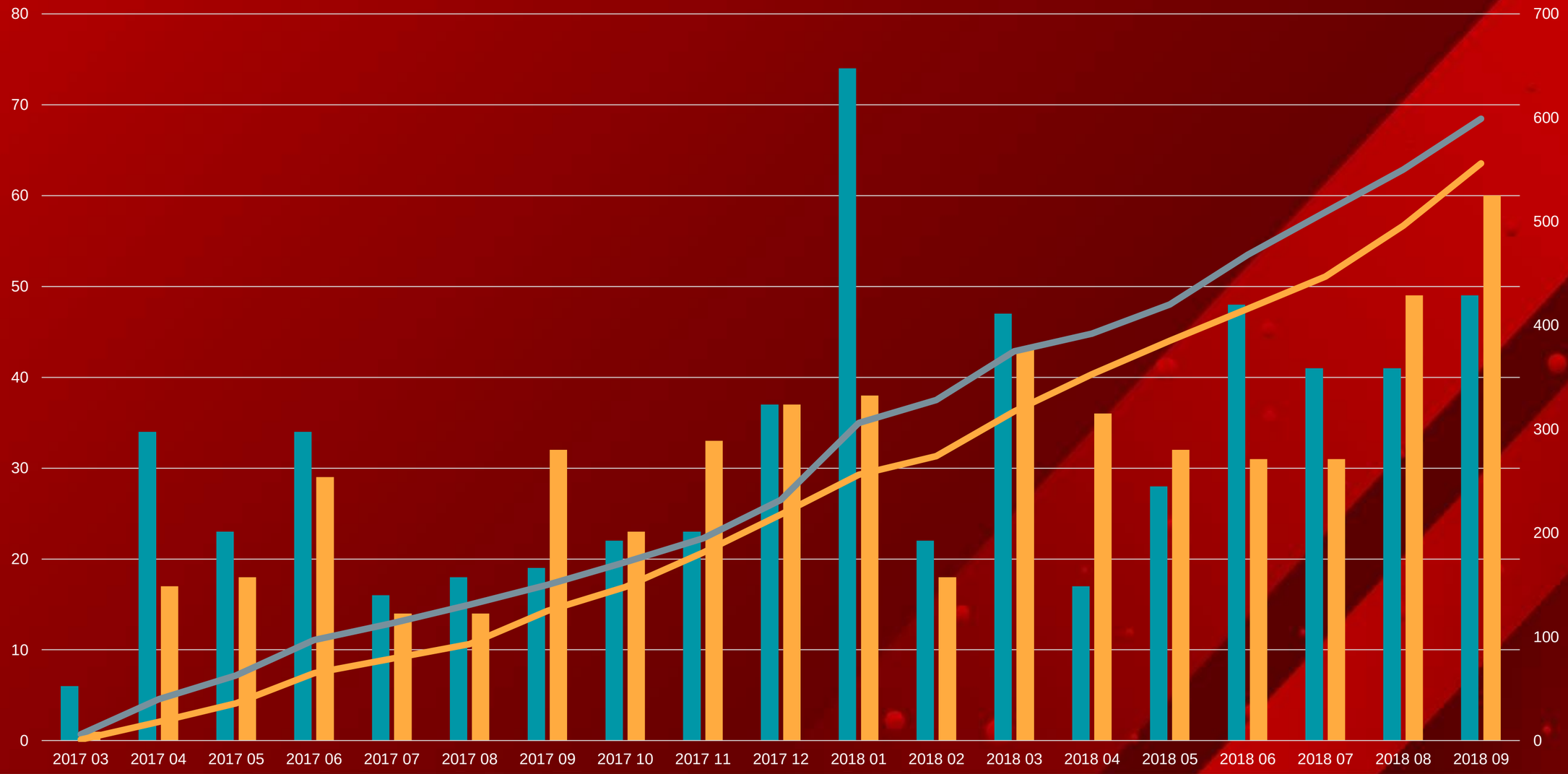
GROWN FROM ZERO TO HERO



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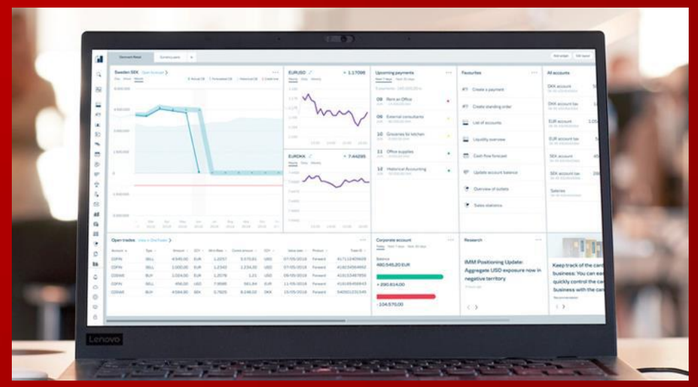
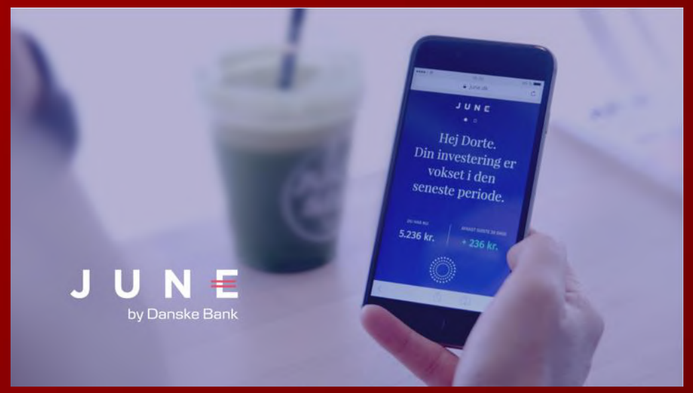
USED BY BUSINESS UNITS TODAY





Book meeting online

You book a meeting by choosing when, where and with whom you would like to meet.

You can book a meeting with us to discuss loans or investment possibilities or to find out more about our private banking. Learn more about our daily banking services from our website or by calling us at 0200 2590.

When you have booked a meeting, we will send you a confirmation (email/sms) and call you before the meeting.

Booking a meeting doesn't commit you to anything.

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OTHER TOOLS THAT HELP

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AVI Networks

artifactory

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Atlassian JIRA

Atlassian Confluence

Bitbucket

GitLab

Visual Studio Team Foundation Server

~~DEMO~~ ACTION TIME

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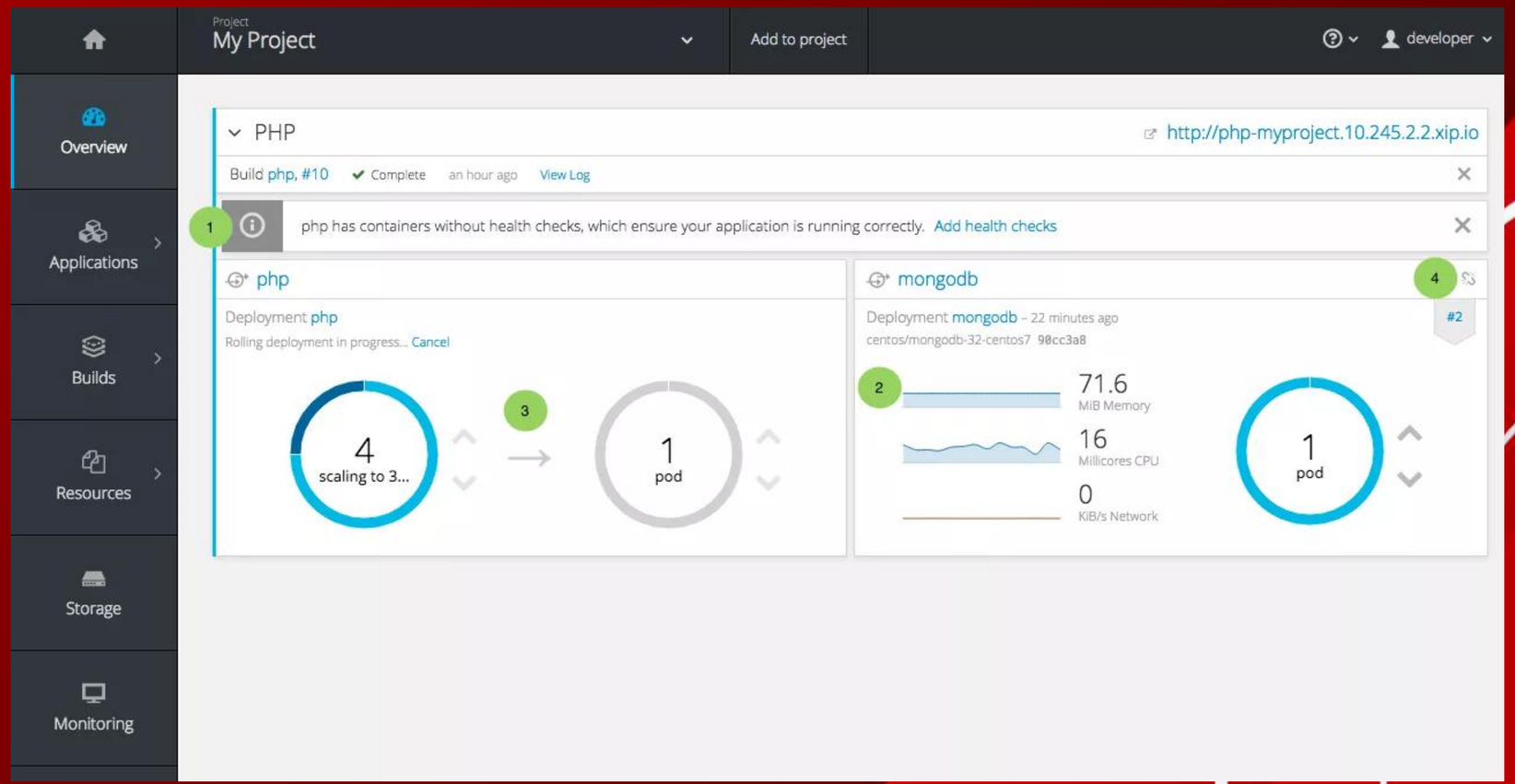
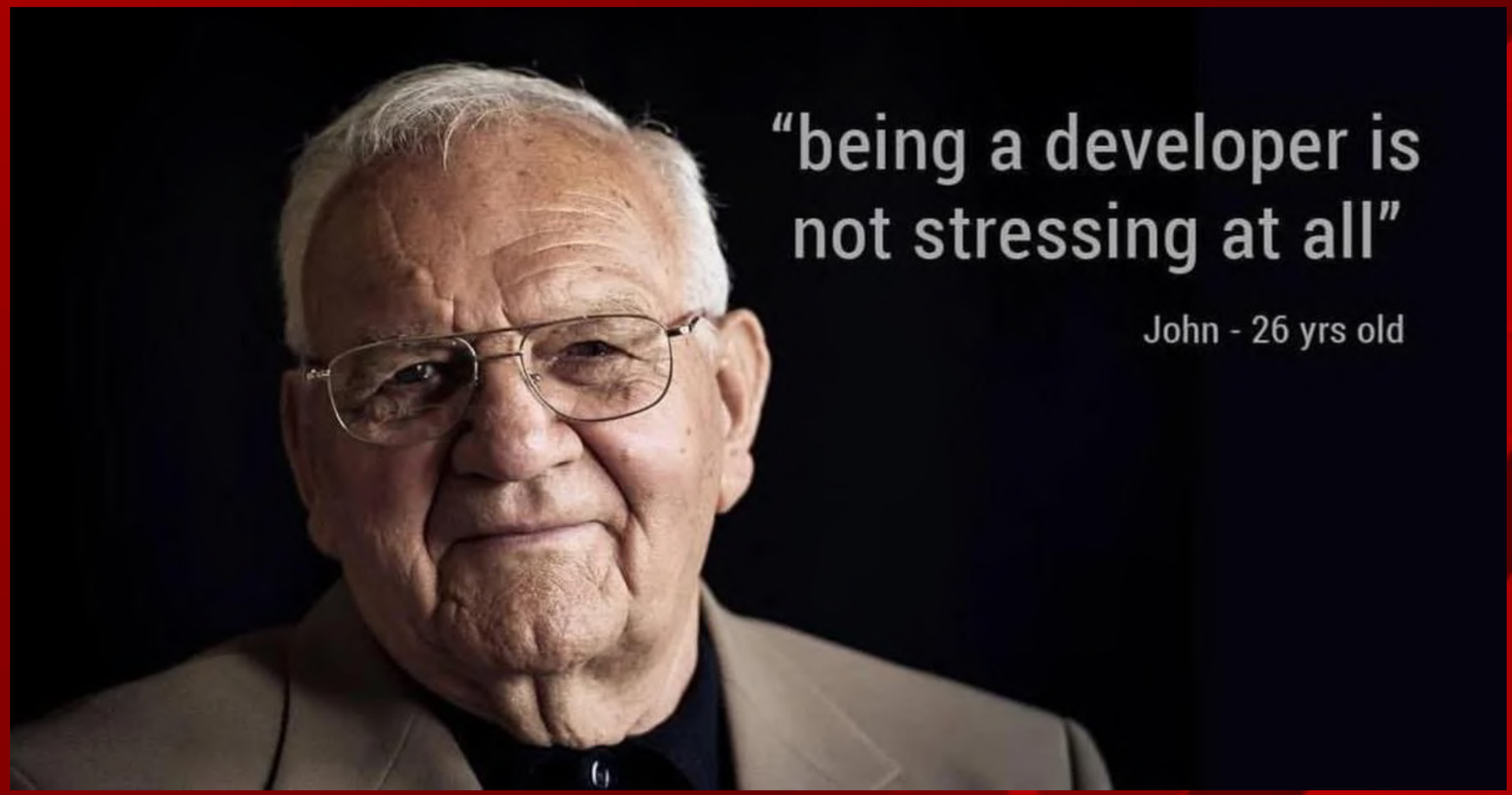
QUESTION TIME