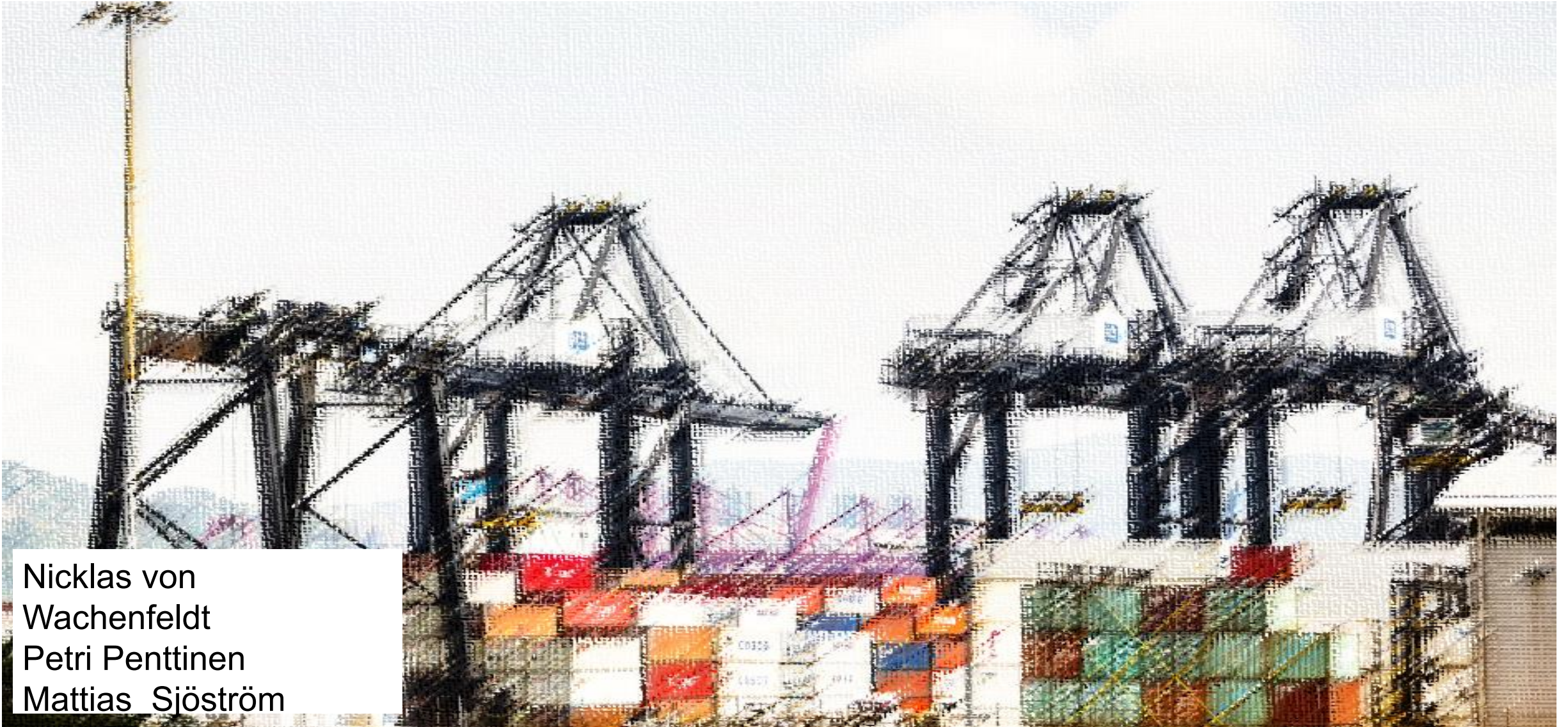


SEBShift!



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Hampus Wingren

SEB at a glance



#1

- Nordic Large Corporates & Institutions
- FX Nordic currencies
- Nordic payments
- Corporate card issuer in the Nordics

3,000

Corporate & Institutions

2/3

Corporate credit exposure

219

Branch offices

274,000

SMEs*

>20

Countries

97%

Digital interactions

1.4m

Private individuals*

15,000

Employees

24/7

Telephone services

* Home bank



Drivers

Shorter feedback loops
Faster time to market

Decreased complexity
Decouple the monolith



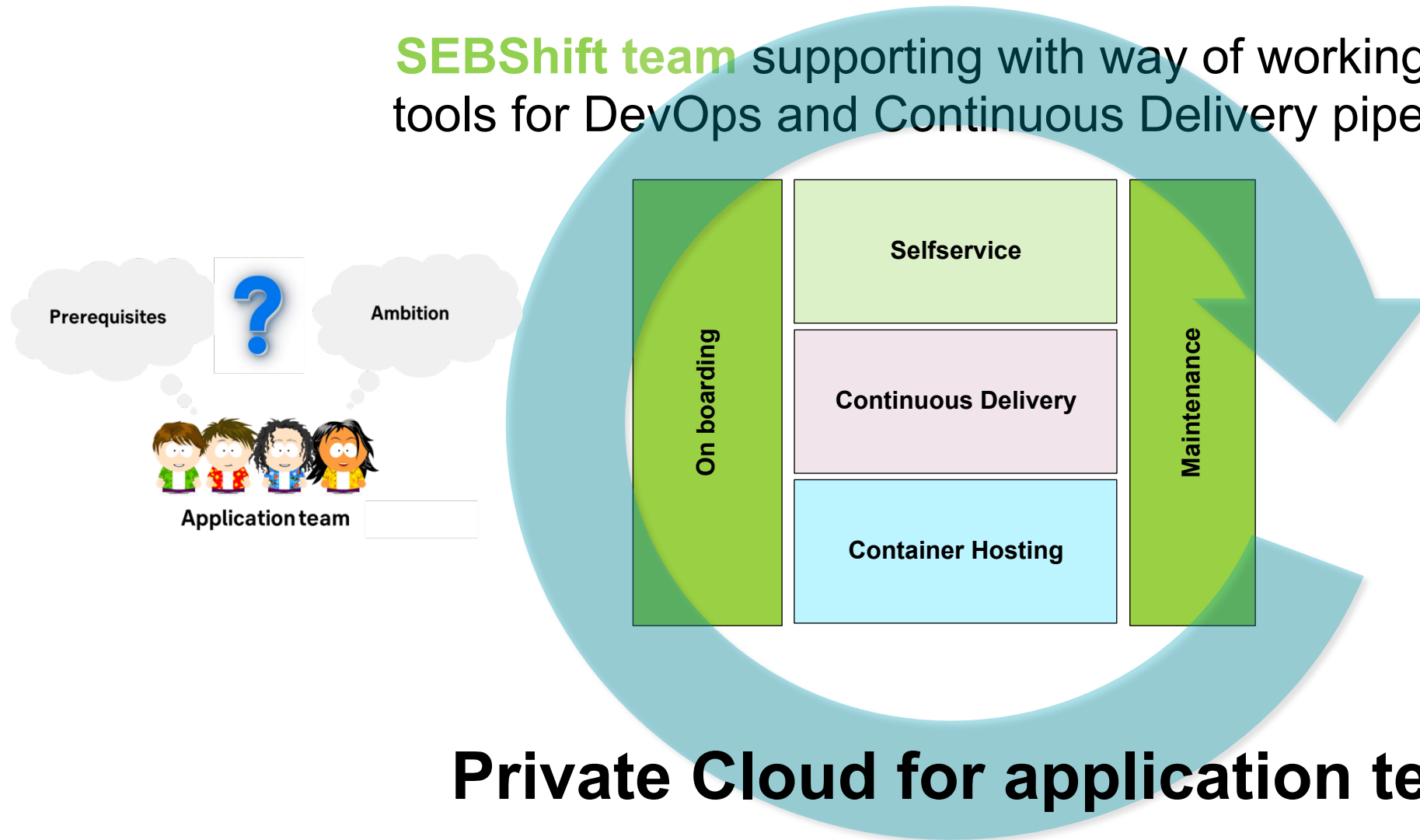
More flexibility
Ability to adapt to change

Architectural control
Set target architecture

Attractive place to work
Possibility to recruit

Container Application Platform-as-a-Service

SEBShift team supporting with way of working and tools for DevOps and Continuous Delivery pipelines



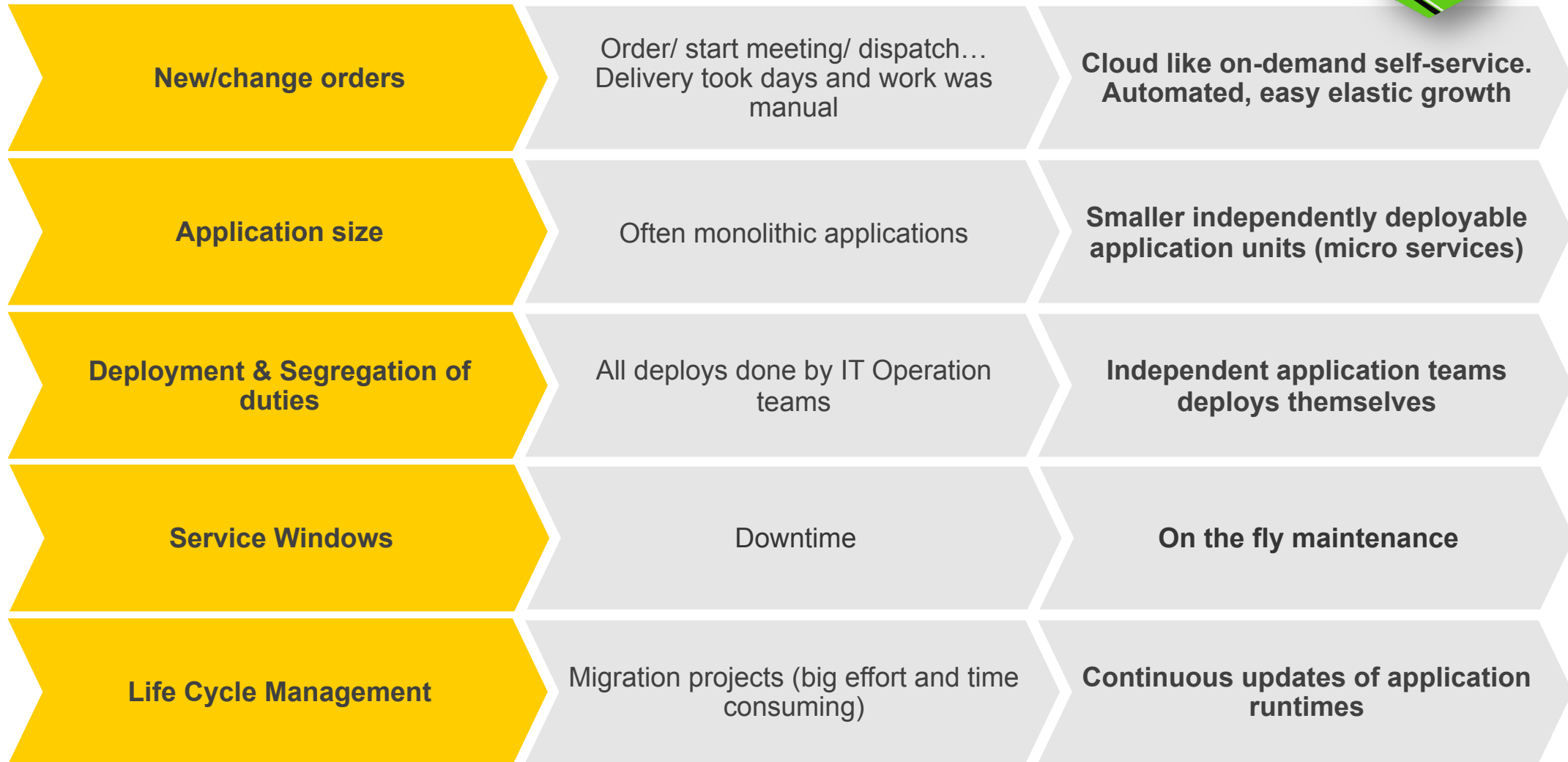
Private Cloud for application teams

The Shift



Before

Now



Automated Continuous Delivery pipeline

Cleanup	Checkout	Build/Test	Sonar Analysis	Quality Gate	Build/Deploy Image	E2E API Tests	Deploy Artifacts	Promote to STAGE
2s	6s	5min 14s	1min 30s	1min 0s	1min 40s	3min 45s	1min 7s	4min 39s
820ms	6s	4min 46s	1min 19s	1min 0s	1min 4s	22min 0s	55s	3min 54s

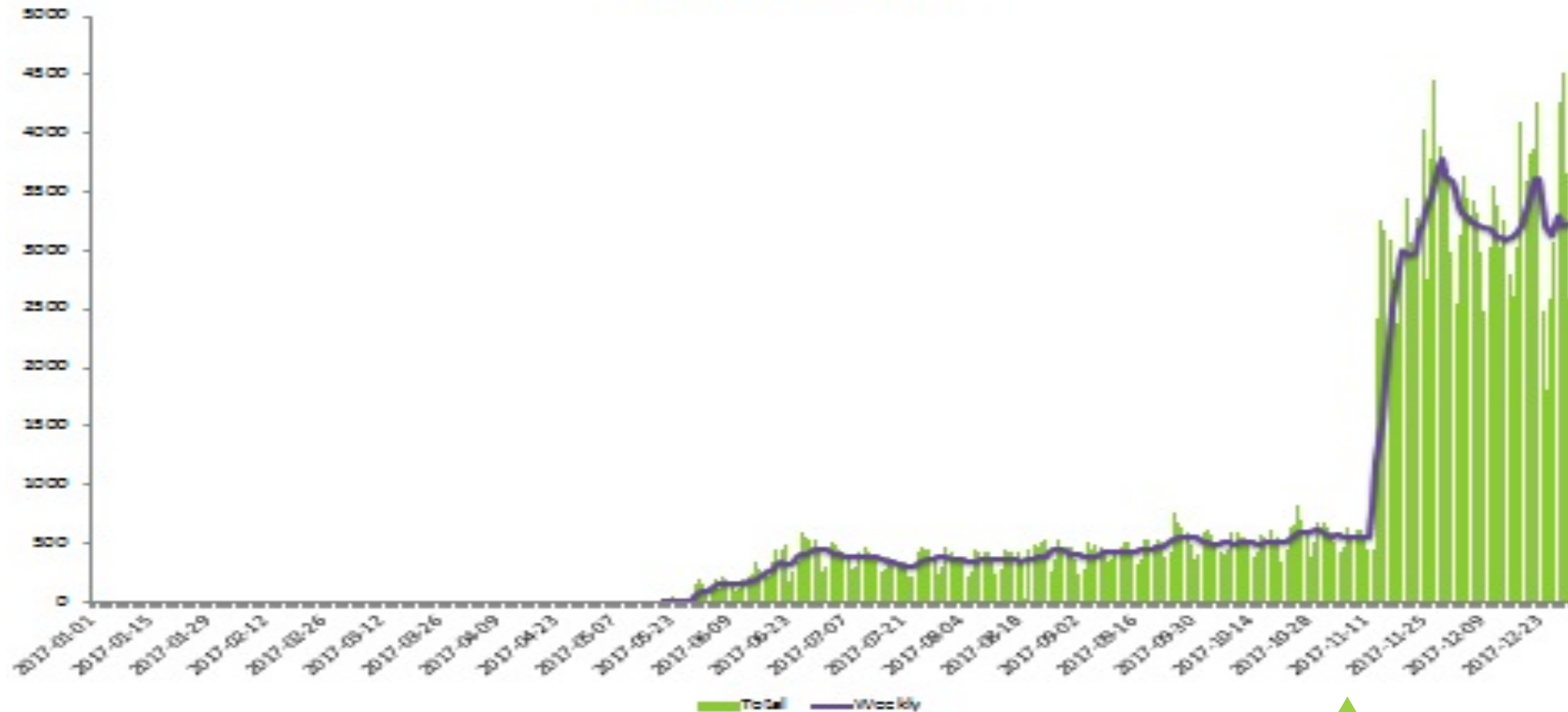
Declarative: Checkout SCM	Checkout	Run smoke tests	Cucumber Reporting	Promote to analytics-prod	Create SPM ticket
8s	2s	53s	1s	1s	10s
9s	2s	45s	1s	1s	10s

GoLive

Delivery team can adopt fast to changes

Notifications

2017 NotHub Traffic



Demand to add new notification event types

Onboarding of the



Delivery teams

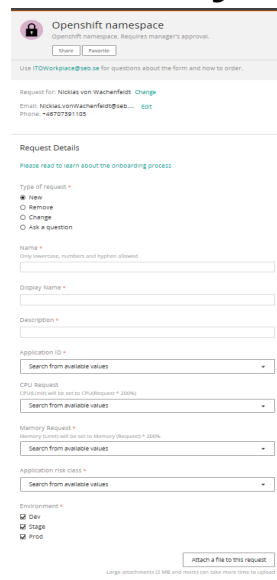
EP-STUDIO.DE

Confluence

How to, guide lines and best practices

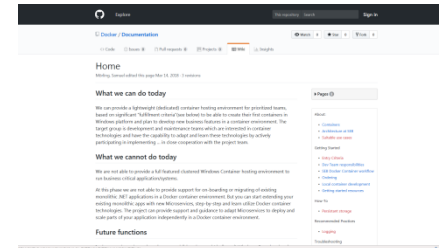


Order MyIT

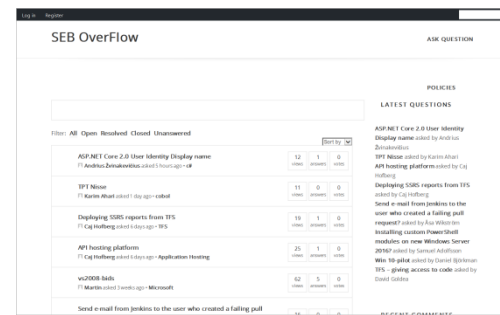


Github

Code & templates



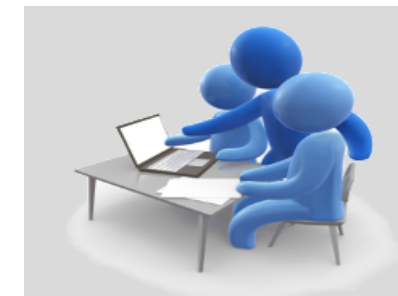
SEB Overflow



Learning



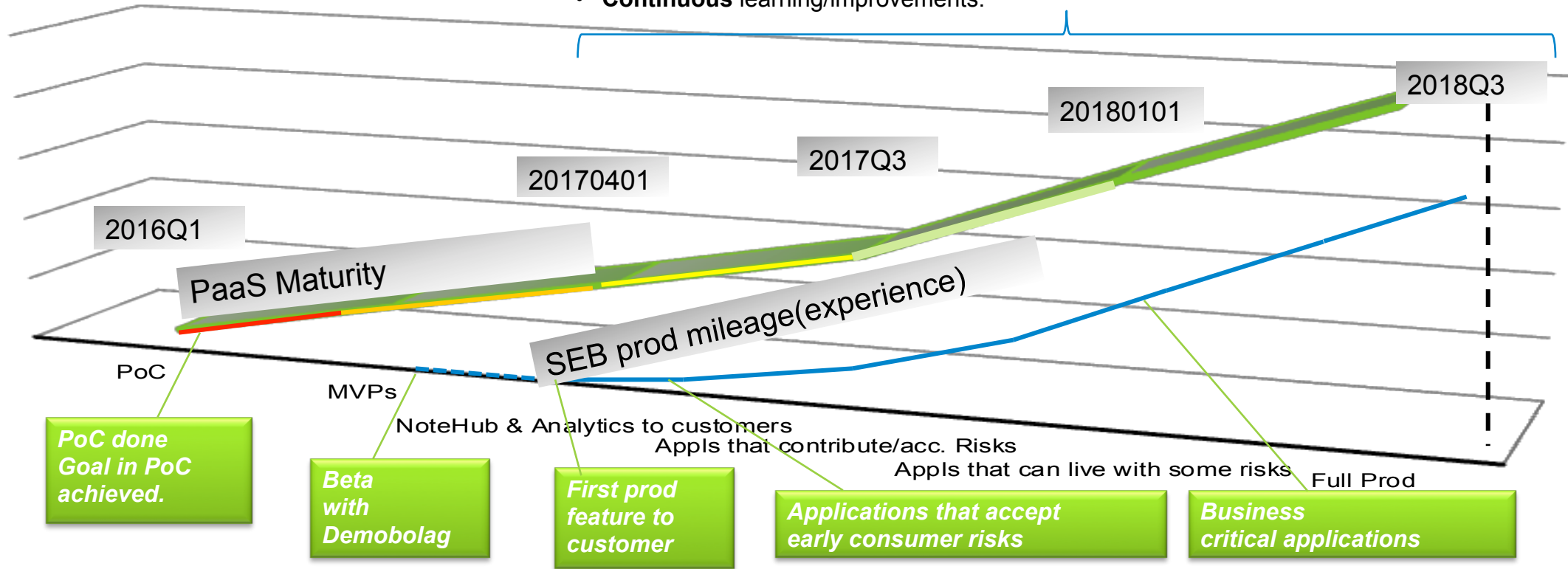
Training



Continuous PaaS improvements

MVP, version 1.0, version 1.1, version 1.2...

- **Stepwise** scale up, taking in consideration application requirements and risk tolerance.
- **Continuous** learning/improvements.



Status & Effects seen so far

First 100 applications addressed:

- In production: 26
- Running tests: 44
- Getting started: 30



Speed

- ✓ Faster turn-around times for deployments
- ✓ Self service (easy provisioning & scale up)

Speed/ cost saving

- ✓ Deployments by independent application teams
- ✓ Isolated services have decreased the test scope
- ✓ Spaces consolidated to clusters
- ✓ Open Source application run-times

QA

- ✓ Increase of Automated tests
- ✓ Sec test starting to be part in CD pipelines

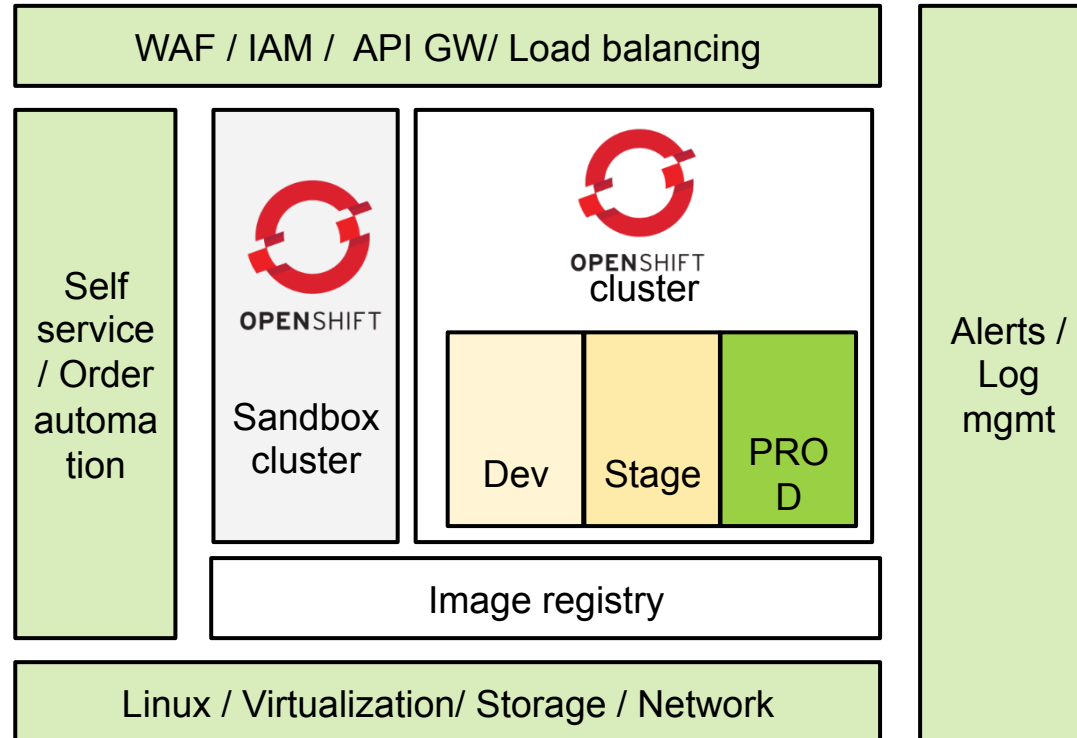
Up-time

- ✓ The platform is upgraded on the fly (daytime)

More fun

- ✓ Modern tooling, way of working & freedom

Infrastructure on a high level



Shift reflections and challenges



Moving forward.... What's next ?

- Infrastructure As A Service
 - More selfservice: Provisioning servers, FW-rules, DNS, DBs etc
 - Hybrid cloud
- Public Images
- Mindset
- Continue shifting common (language specific) libraries to infrastructure
 - Istio

Demo

SEB

