SEBShift!



SEB

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SEB at a glance



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

SEB



Private Cloud for application teams

The Shift

	Before	Now
New/change orders	Order/ start meeting/ dispatch Delivery took days and work was manual	Cloud like on-demand self-service. Automated, easy elastic growth
Application size	Often monolithic applications	Smaller independently deployable application units (micro services)
Deployment & Segregation of duties	All deploys done by IT Operation teams	Independent application teams deploys themselves
Service Windows	Downtime	On the fly maintenance
Life Cycle Management	Migration projects (big effort and time consuming)	Continuous updates of application runtimes

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 Os	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	15	10s
9s	2s	45s	1s	1s	10s
				Gol	live

Delivery team can adopt fast to changes



Onboardin





Delivery teams Confluence How to, guide lines and best practices





Order MyIT

Openshift namespace Openshift namespace lenger's approval. University of the second second

Please read to learn about th	e onboarding process
Type of request *	
New	
O Remove	
O Change	
O Ask a question	
Name •	
Only lowercase, numbers and hyp	hen allowed
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Github Code & templates

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SEB Overflow

SEB OverFlow		ASK QUESTION
		POLICIES
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Learning



Training



Continuous PaaS improvements

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



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

SEB

✓ 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

✓ Increasement 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 & freedu

Infrastructure on a high level



Shift reflections and challenges

DEV/OPS	New tech is hard to learn but new way of working and mindset change is even harder	CA SEE SHIFT
RACI	Our delivery teams are offered opportunities to deliver faster, more often and use new technology but also need to take on more responsibility	OPEN SHIFT
сотѕ	Lack of standards/ support from vendors	Continuous improvement
UNMATURE	Persistent Storage, Sec, EFK&Upgrades	
FULL STACK SELF-	SEVICE Still separate orders for surrounding Infra	

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

SEP

– Istio

Demo





