How to Yaw a Tanker

Swedish Tax Agency

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Skatteverket

Skatteverkets inriktning

Swedish Tax mission is to

- Contribute to financing the public sector in Sweden
- Contribute to a **well functioning society** for citizens, trade and industry
- Counteract on criminality

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- Tax
- Population registry
- Marriage registry
- Estate inventory
- ID-card

SKV also delivers resources in development and operations for:

Kronofogden

Valmyndigheten

- 10 318 employees
- IT approx 800 empl

2014-2015

+

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Top
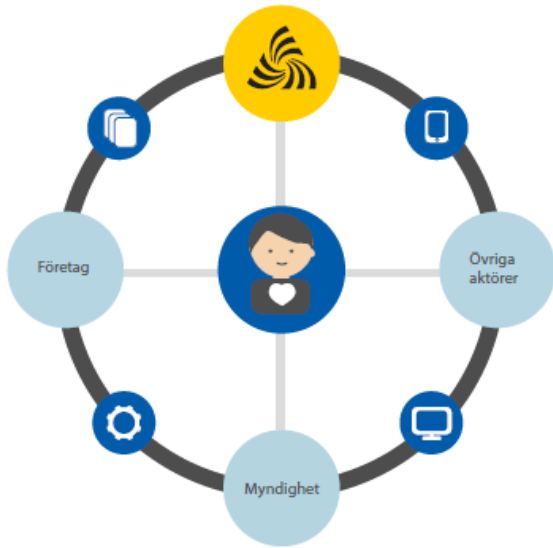
Top

Swedens most modern governement 2011

But…

Stable production

SKV said great but slow, and expensive in putting out new features

Developers weren't pleased with there working environment
30% said OK

Traditional technique and architecture with custom frameworks making it difficult to change

Skatteverket

Together with others we digitalize Sweden

Citizens, trade and industry experience simple, intuitive and personalized services

The opportunity that digitalization offers is used to prevent errors and to counteract on criminality

Räkna ut din skatt

Läs om du kan använda tjänsten här ⌄

Räkna ut lön efter skatt

1. Dina uppgifter | 2. Din lön

Fyll i dina uppgifter

Obligatoriska uppgifter

Inkomstår   2018

Födelseår *   [Födelseår]   ÅÅÅÅ

Kommun *   (?)   [Välj en kommun ⌄]

(... och dödsbon)

...ningar, tekniska krav m.m.
...äste därför fylla i personliga uppgifter.

...m avlidit före 19-01-01. [   ]

Avgift till trossamfund
Svenska kyrkan   Övriga trossamfund
[   ] %   [   ] %

	lön	[ ]
Sjukpenning, akassa, m.m.	sjb	[ ]
Inkomstrelaterad sjuk- och aktivitetsersättning	sja	[ ]
		Summa

Lön m.m. (inte sjukpenning) understigande 1 000 kr
Kostnadsersättningar.
Allmän pension och tjänstepension m.m.
  Varav sjuk- och aktivitetsersättning i form av garantiersättning — gar [   ]
Privat pension och livränta
Andra inkomster som inte är pensionsgrundande
  Varav ersättningar från vinstandelstiftelse m.m. — vis [   ]
Inkomster, t.ex. hobby, som du själv ska betala egenavgifter för. Läs i hjälptexten.
  Varav sjukpenning — 2 0 [   ]
Vissa inkomster från fåmansföretag
2 Avdrag - Tjänst

Effects

- Faster value to customer through greater speed in development!
- Higher availability
- Attractive employer

G2- and Tjänsteutveckling projects

The two projects G2 – PaaS generation 2 and Tjänsteutvecklingsprojektet creates conditions for Skatteverket to meet the demands from our Agency and surrounding environment has on future digital services, both in accessibility and high development pace.

Partly through usage of new **technique and modern architecture** and a platform that incorporates standards, and partly through new ways of working – **DevOps**.

The projects has a MVP approach both when it comes to technology and features.

All the software are deployed On-premises.

Red Hat OpenShift

Enterprise Kubernetes and more

Red Hat® OpenShift is a container application platform that brings Docker and Kubernetes to the enterprise. Regardless of your applications architecture, OpenShift lets you easily and quickly build, develop, and deploy in nearly any infrastructure, public or private.

Container Strategy

- We use containers to deploy stateless Micro services.

- We do not use containers as an virtualisation technique to deploy any software.

- All integrations to/from redhat OCP should go via the enterprise service bus (ESB).

- DevOps is used for Micro Services development.

- Traditional application server architecture are still in use side by side with OCP.

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Software layers

- Responsibility is moving from [Operations] to [Development] and thereby closer to the end user.
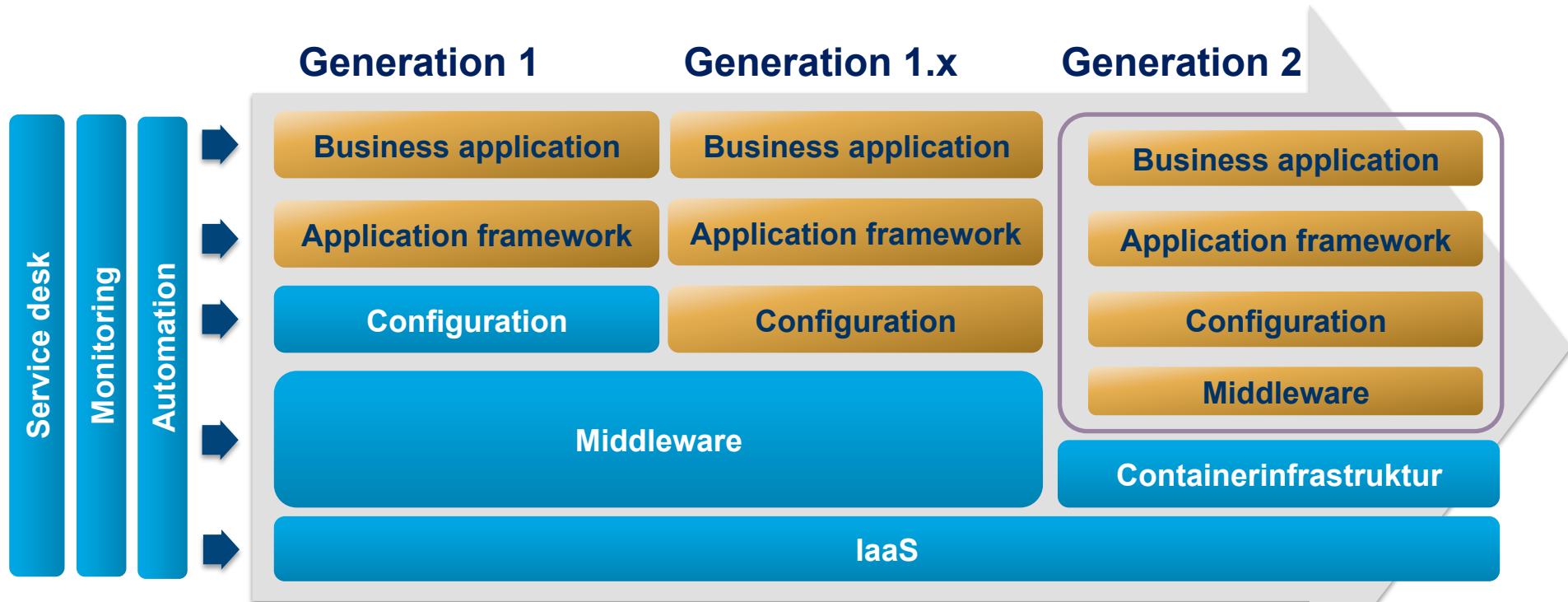
Challenges OCP monitoring and operations

- How do you map pods, project and containers in OCP to a traditional definition of system/application.

- Mapping internal OCP monitoring to the existing operations centre.

- Responsibility for software deployment

- What to do when the out off business hours when you run DevOps.

Culture – when the organization is built upon experts but really needs people who is willing to learn new stuff like new ways of working, new areas

Culture – we need to change the way we recruit

Culture – we need to appreciate that our co-workers now are really hot in the market

OCP creates massive opportunities for innovation through new techniques but… it still takes a large amount of time to put the new technique in a production stable state,

explain that to a developer!

Proud announcement

We installed Open Shift Container Platform, developed and put the first application "born-in-the private cloud" in production in 6 months!

It would not have been possible if Dev and Ops hadn't greatly cooperated

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