

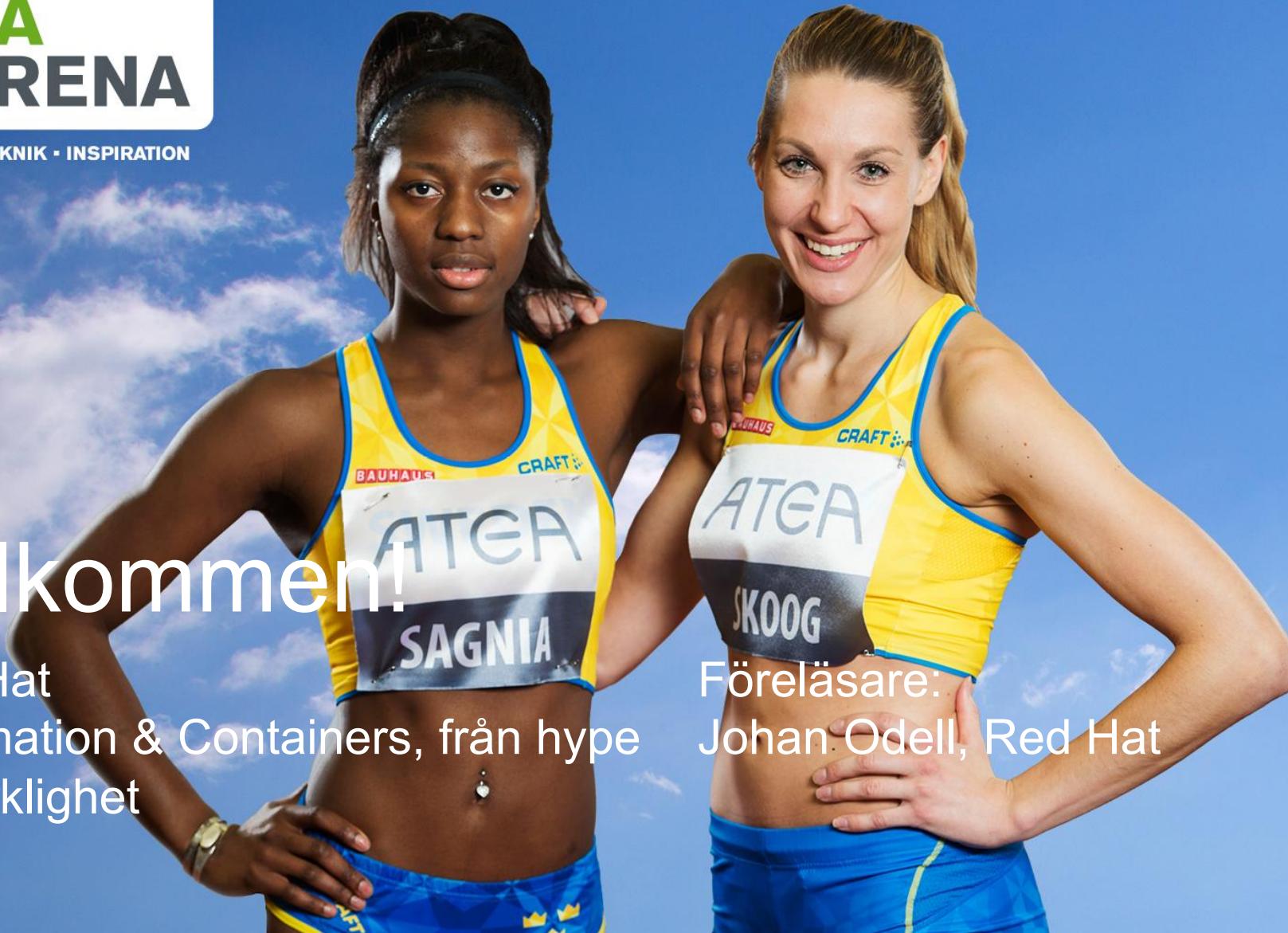
**ATEA**  
**IT-ARENA**

TRENDEN • TEKNIK • INSPIRATION

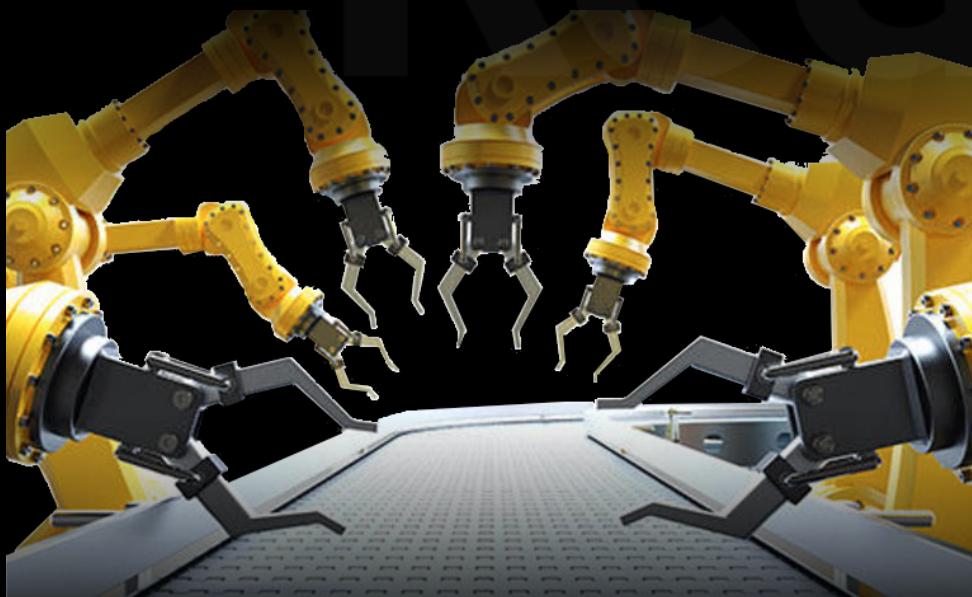
# Välkommen!

Red Hat  
Automation & Containers, från hype  
till verklighet

Föreläsare:  
Johan Odell, Red Hat



# Red Hat

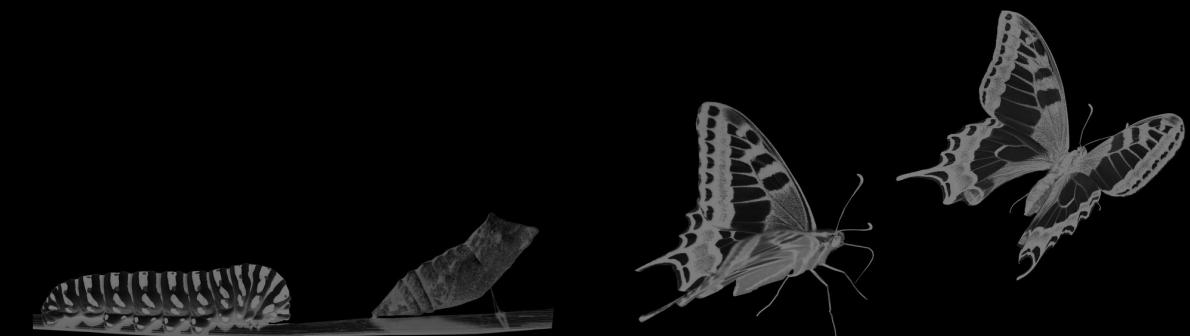


Automation



Containers

# Rollen für IT förändras



# Rollen för IT förändras

“IT does not matter”

Nicolas G. Carr

Harvard Business Review, May 2003



# Rollen för IT förändras

“IT does not matter”

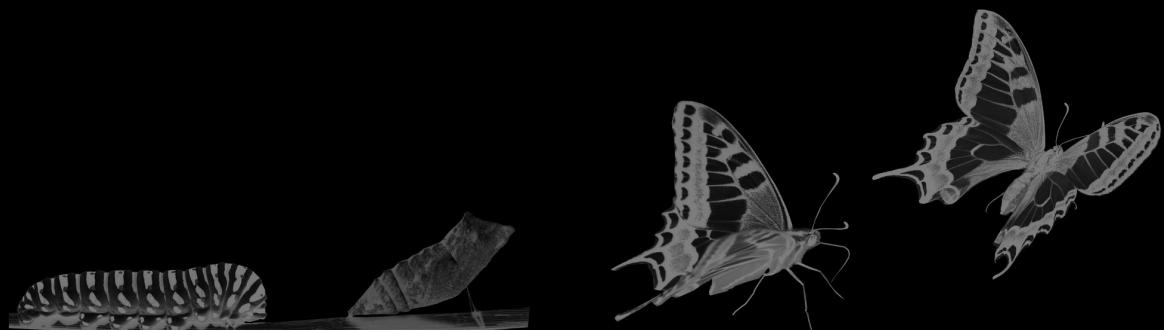
Nicolas G. Carr

Harvard Business Review, May 2003

“Every company is now a technology company”

Joe McKendrick

[forbes.com](http://forbes.com), April 2015



# Rollen för IT förändras

“IT does not matter”

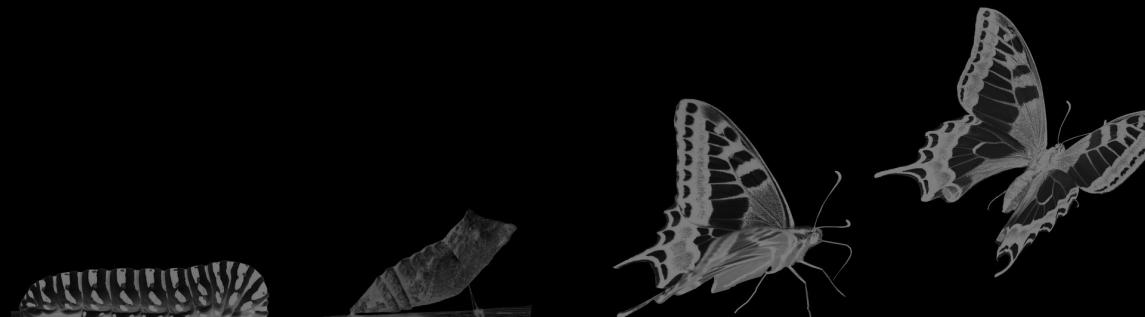
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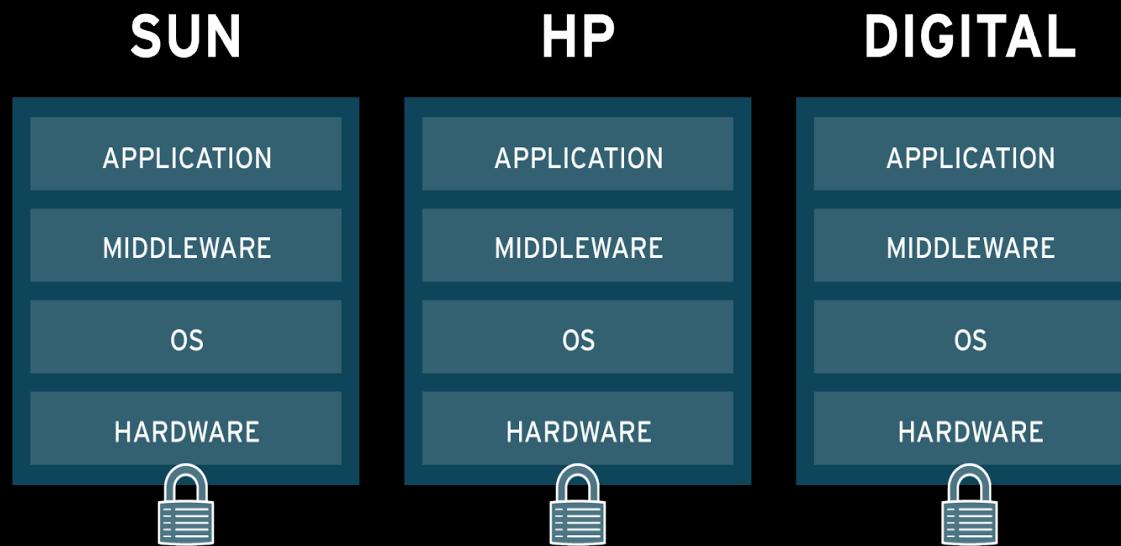


“Every company is now a software company”

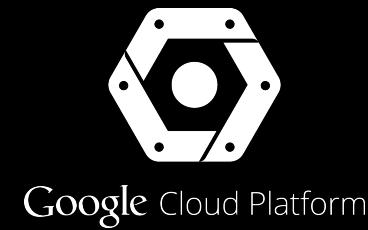
U.C Irvine

Harvard Business Review, April 2016

# Tillverkare & leverantörer förändras



# Tillverkare & leverantörer förändras



# Alla moln fungerar på olika sätt



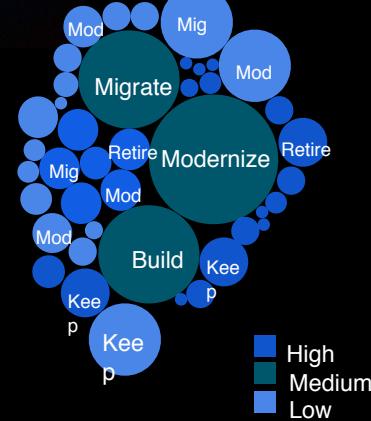
# Alla moln fungerar på olika sätt



# Alla moln fungerar på olika sätt



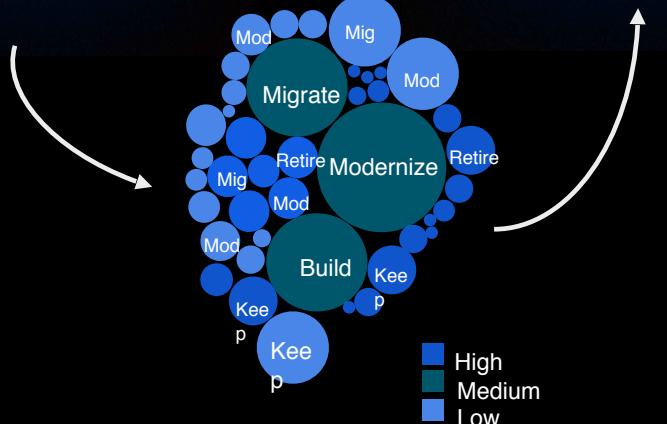
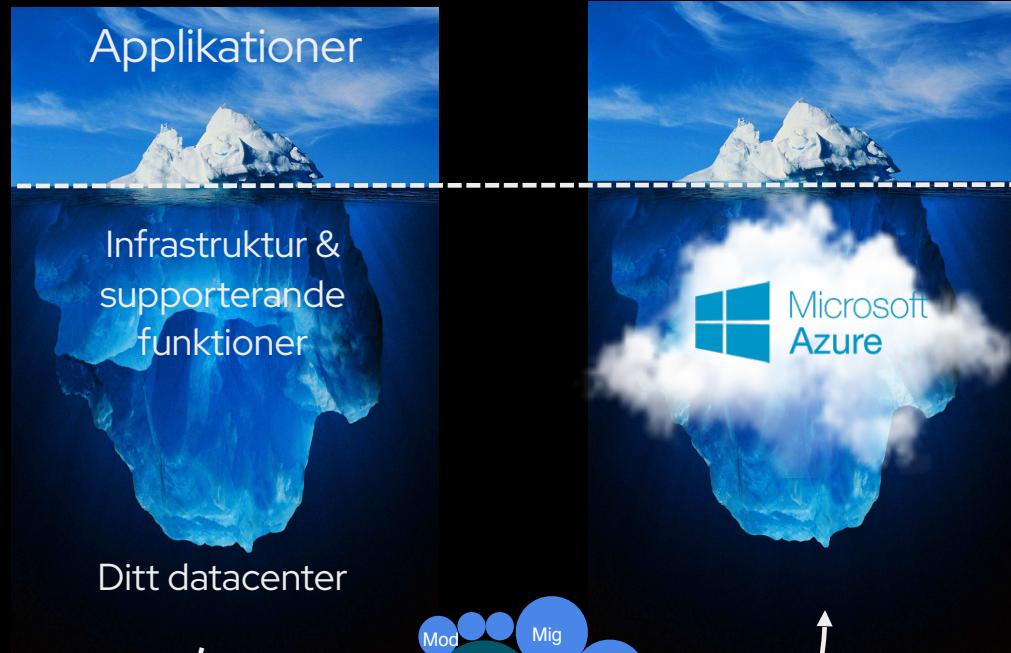
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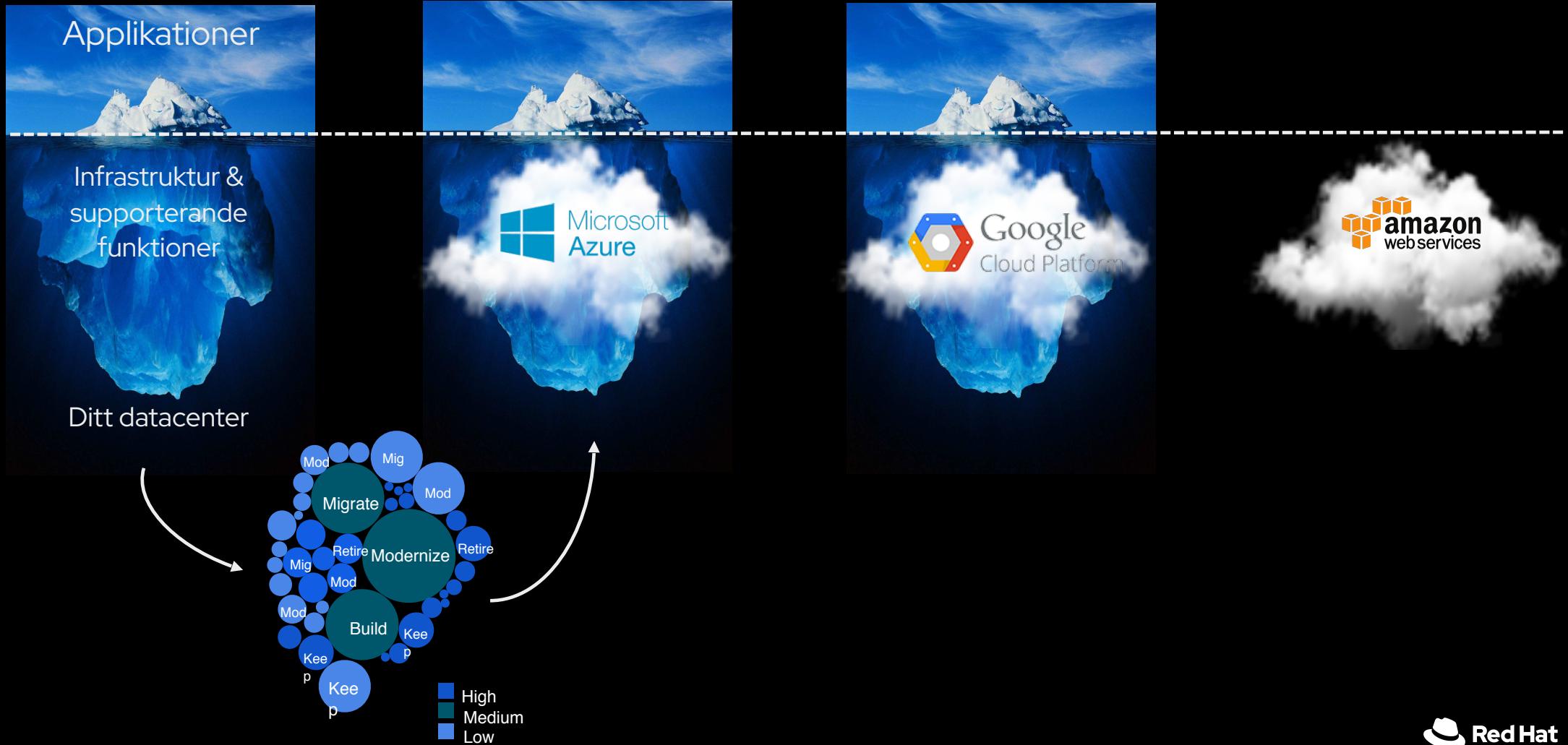
High  
Medium  
Low



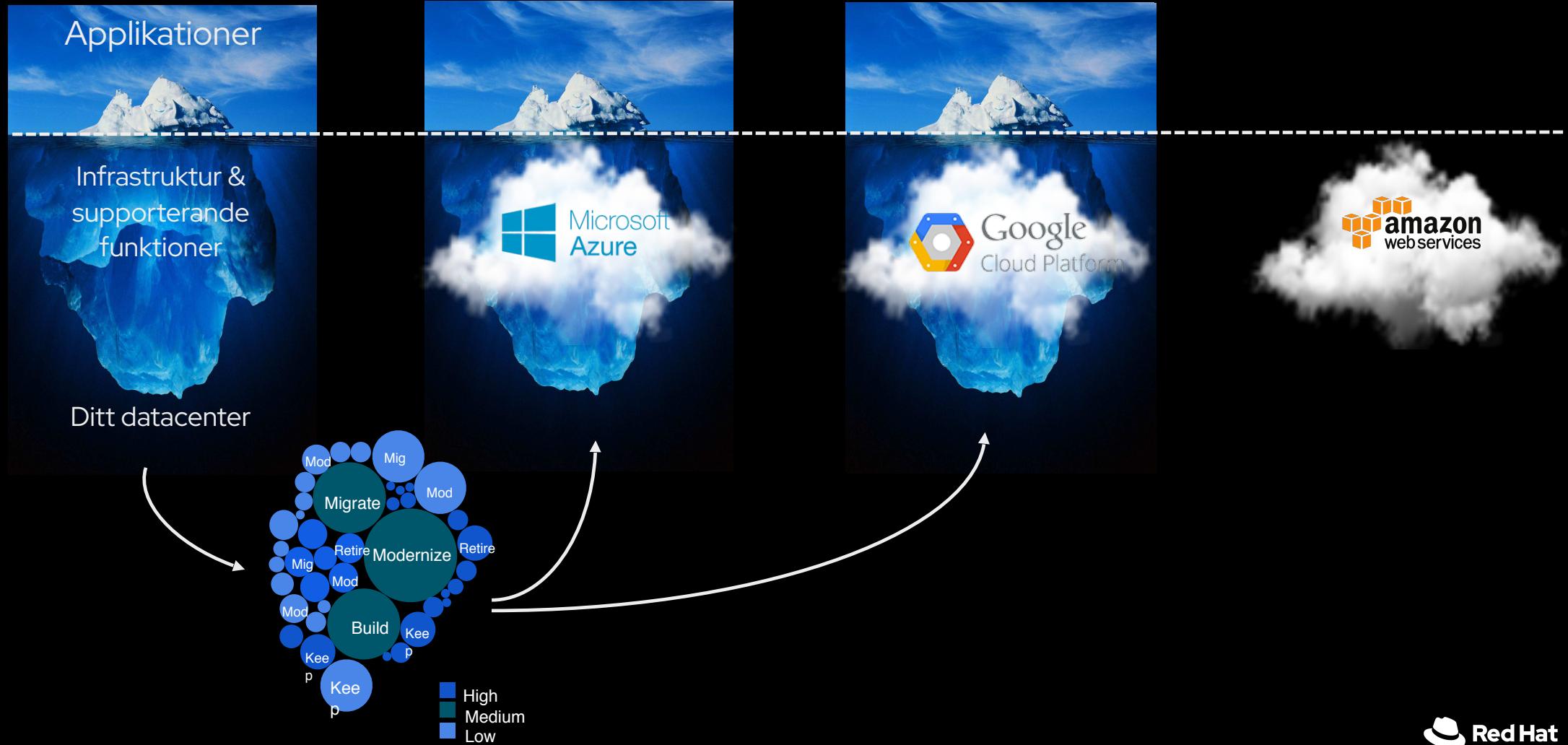
# Alla moln fungerar på olika sätt



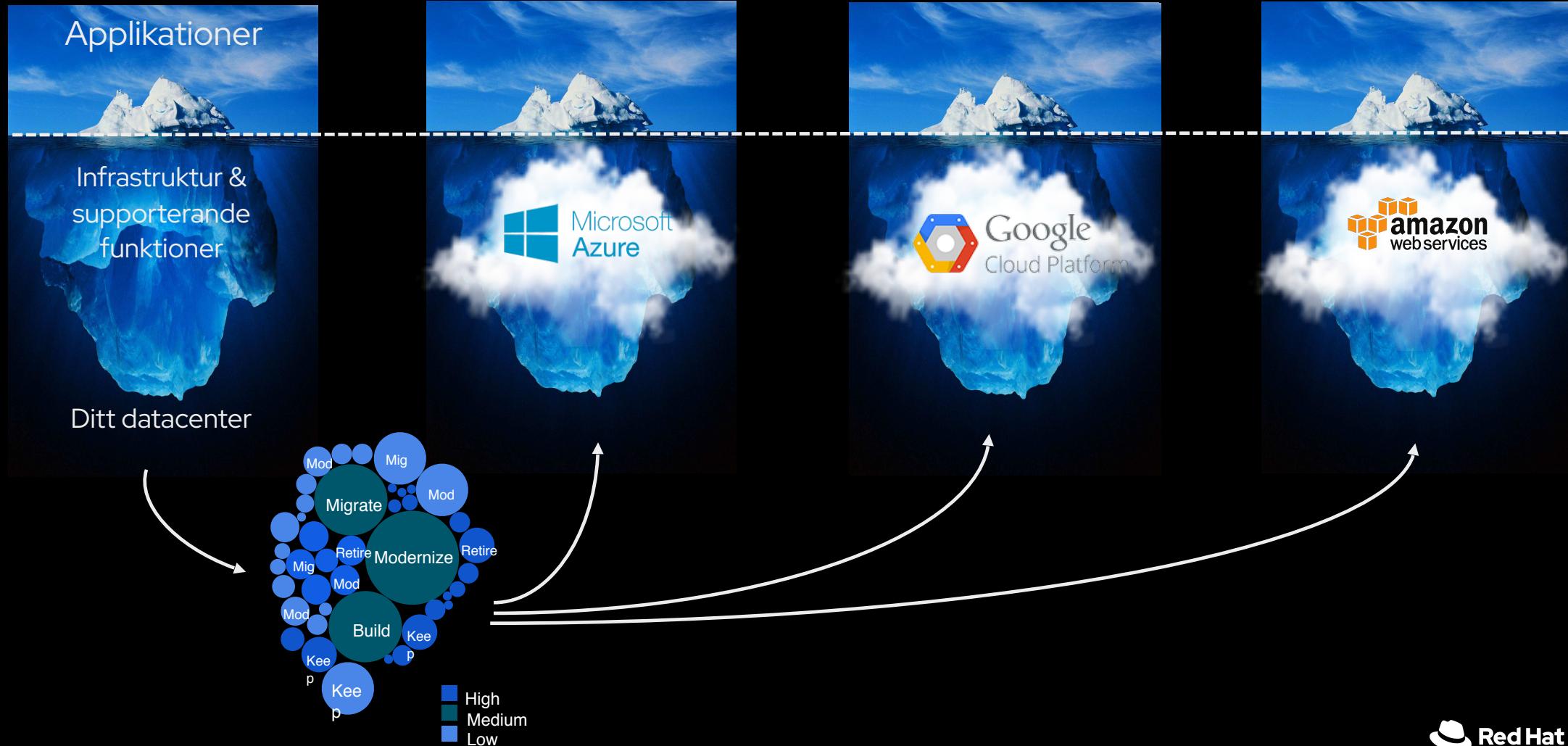
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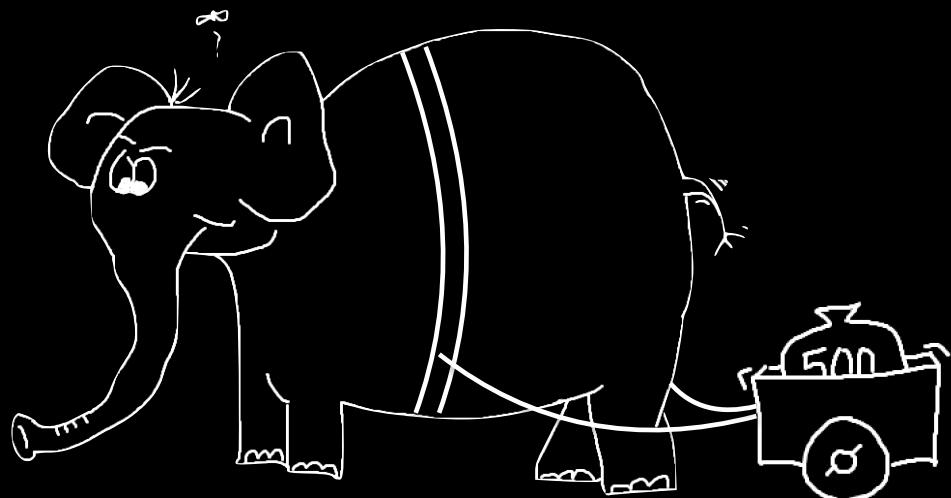


# Applikationer förändras

Min fantastiska app  
"monolith"

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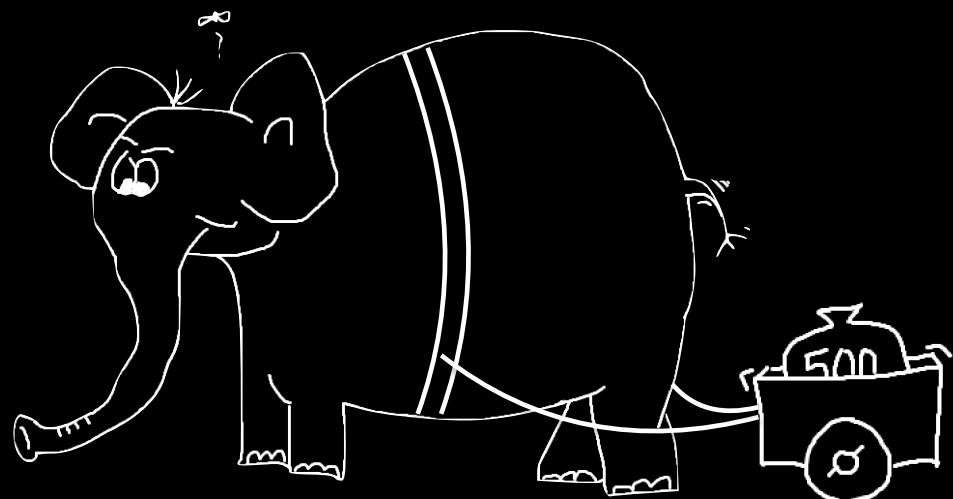
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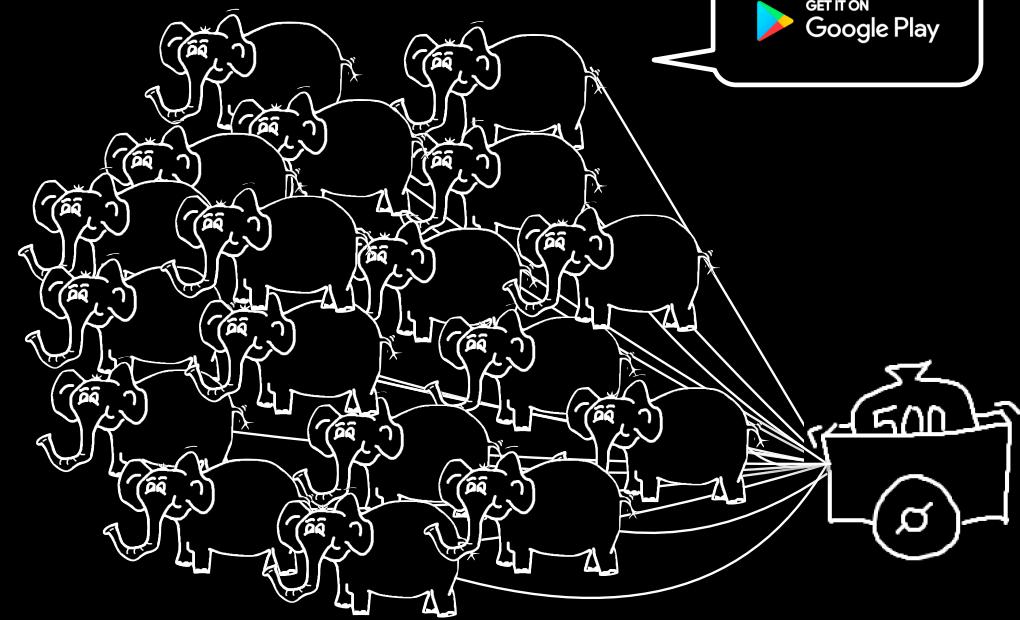
Min fantastiska app  
"cloud native"



# Applikationer förändras



Min fantastiska app  
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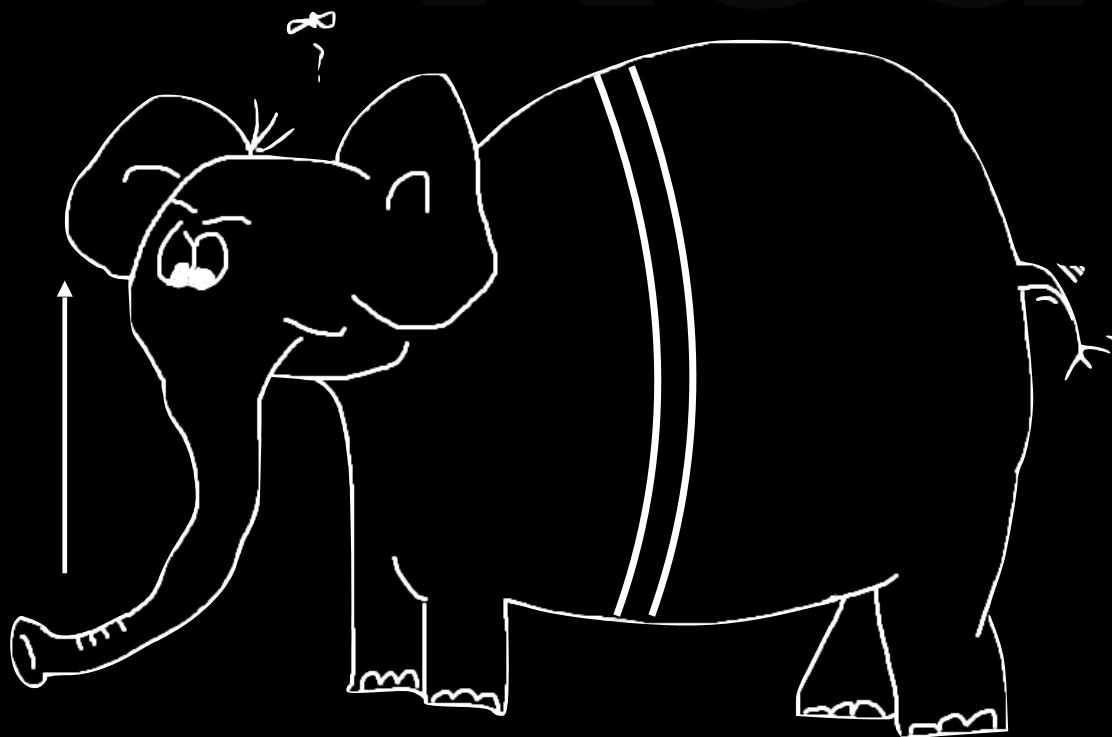


Min fantastiska app  
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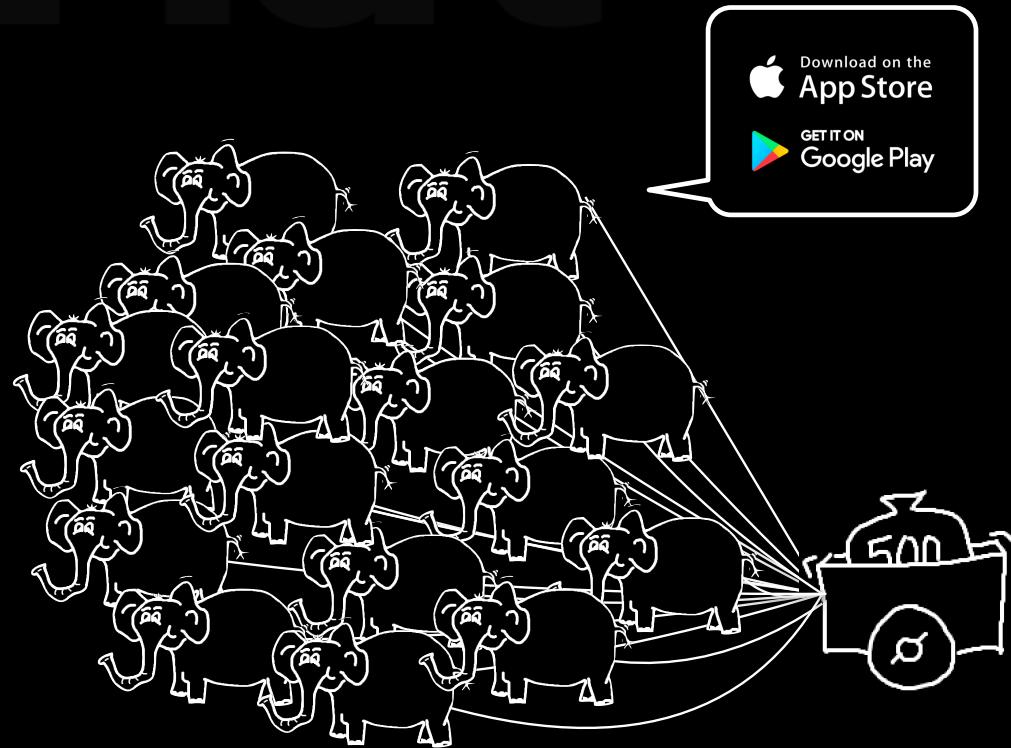
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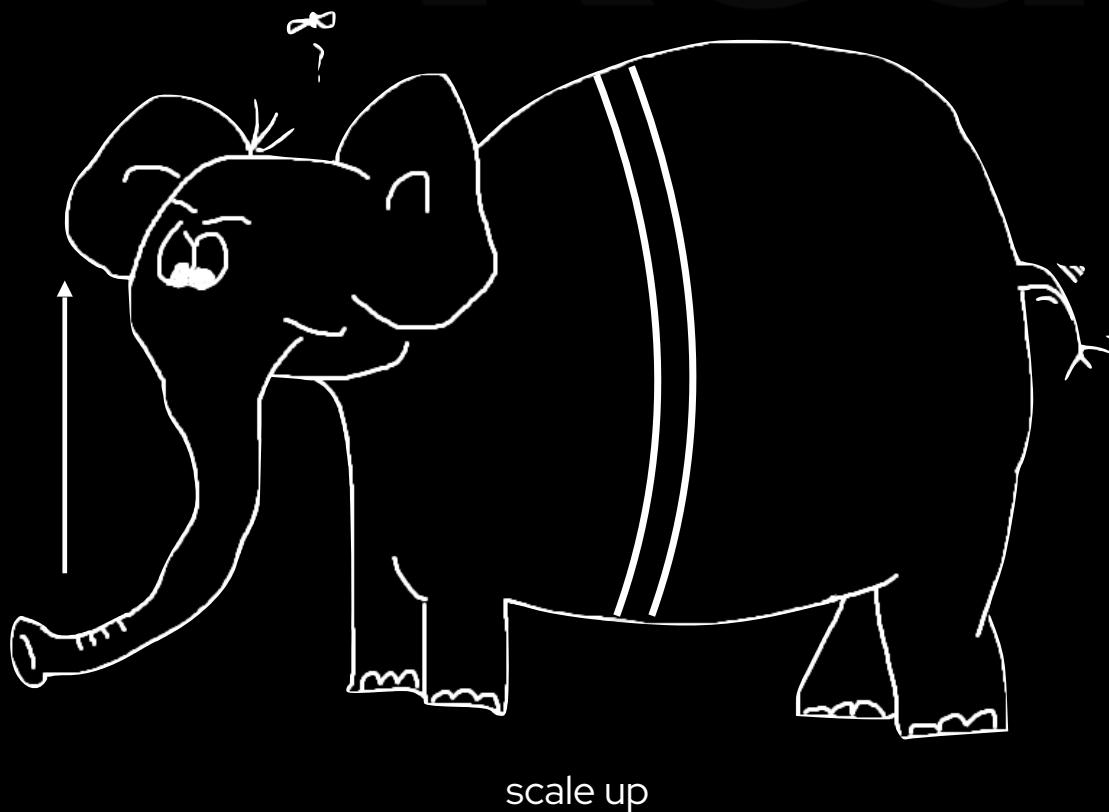
scale up

Min fantastiska app  
"cloud native"

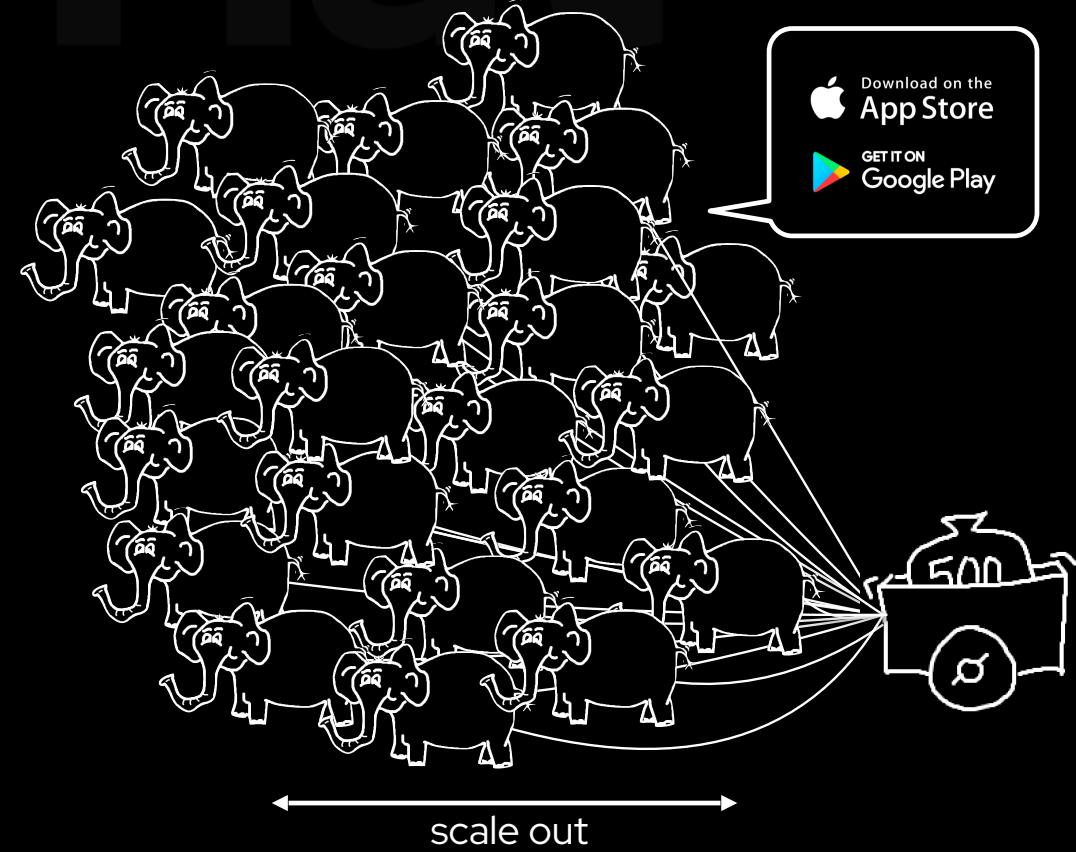


# Applikationer förändras

Min fantastiska app  
"monolith"



Min fantastiska app  
"cloud native"

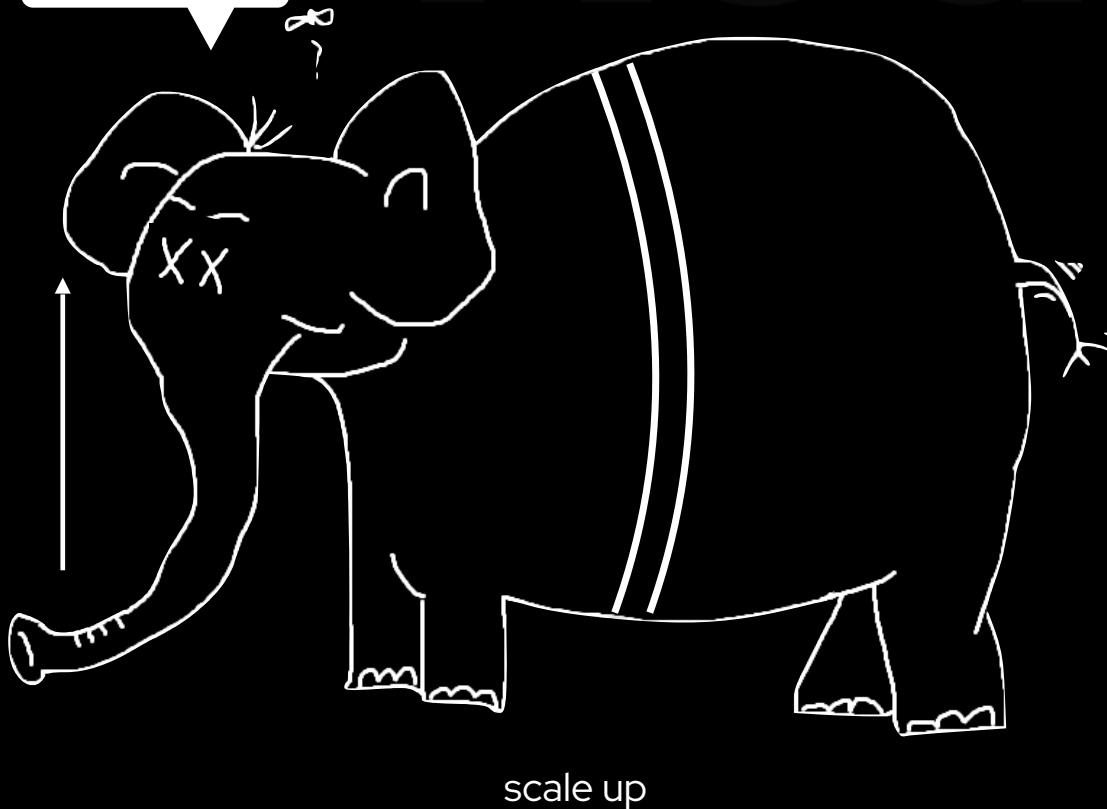


# Applikationer förändras

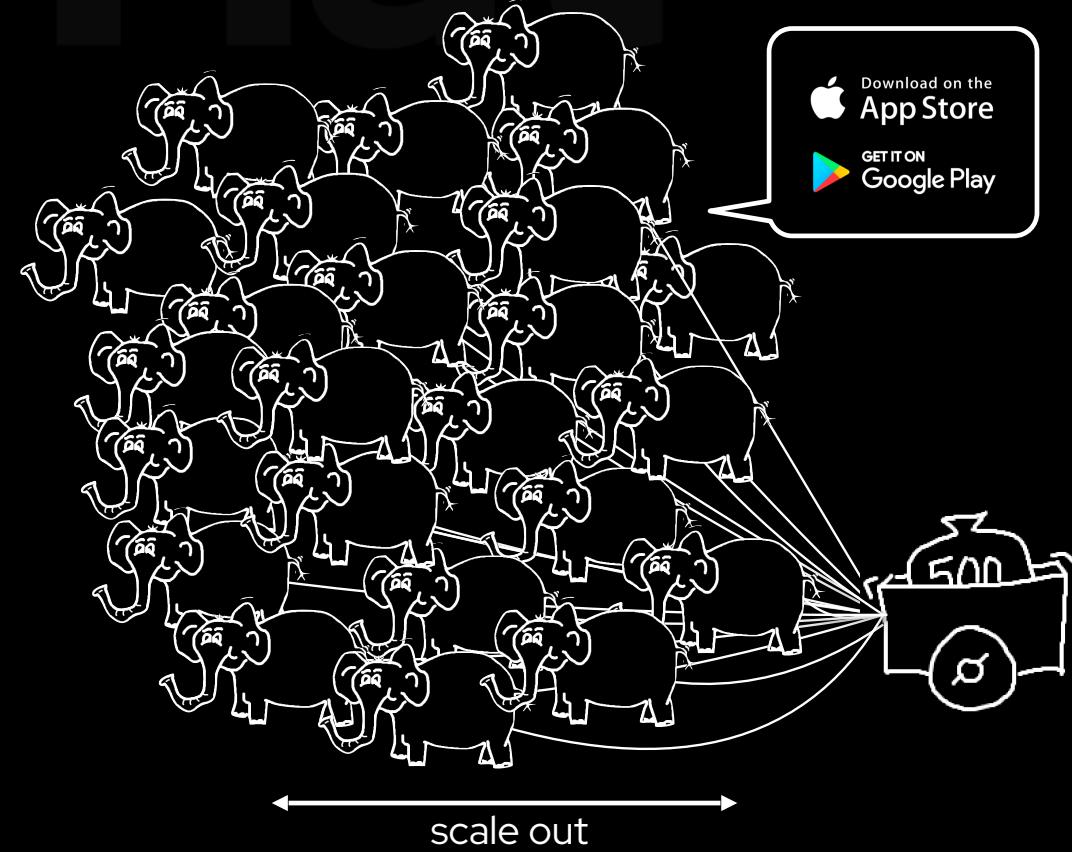
404 Not found

The requested URL was not found

Min fantastiska app  
"monolith"



Min fantastiska app  
"cloud native"

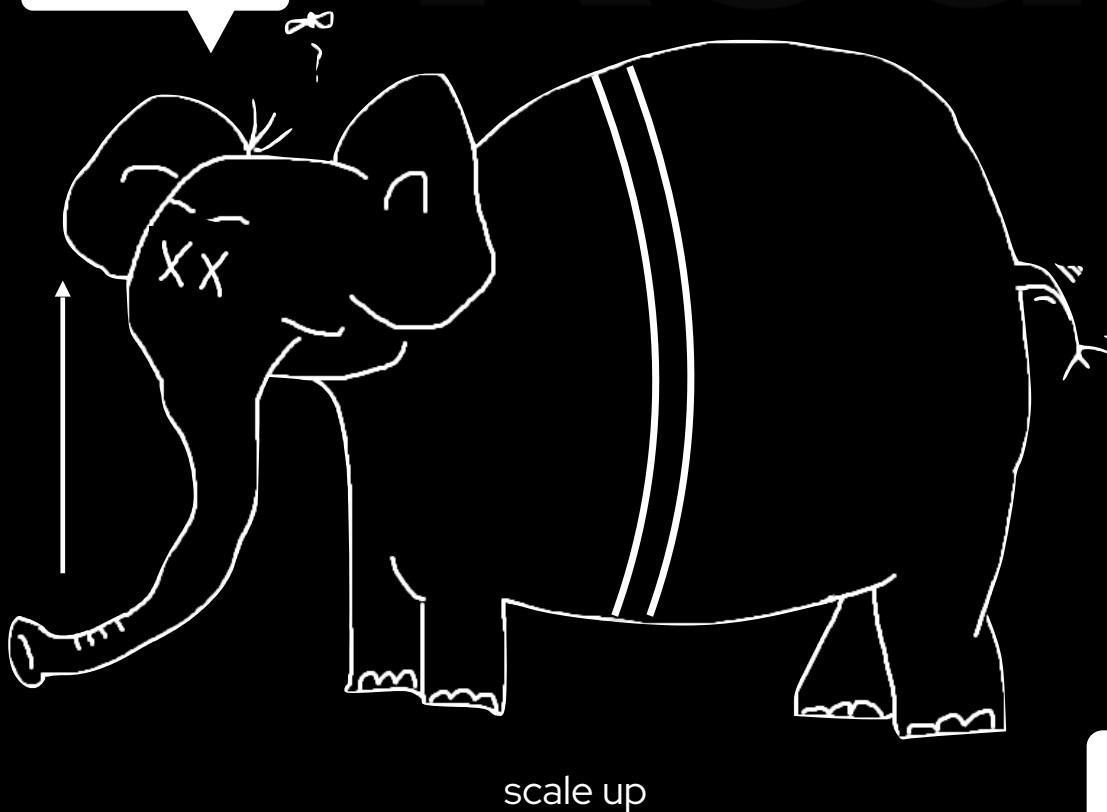


# Applikationer förändras

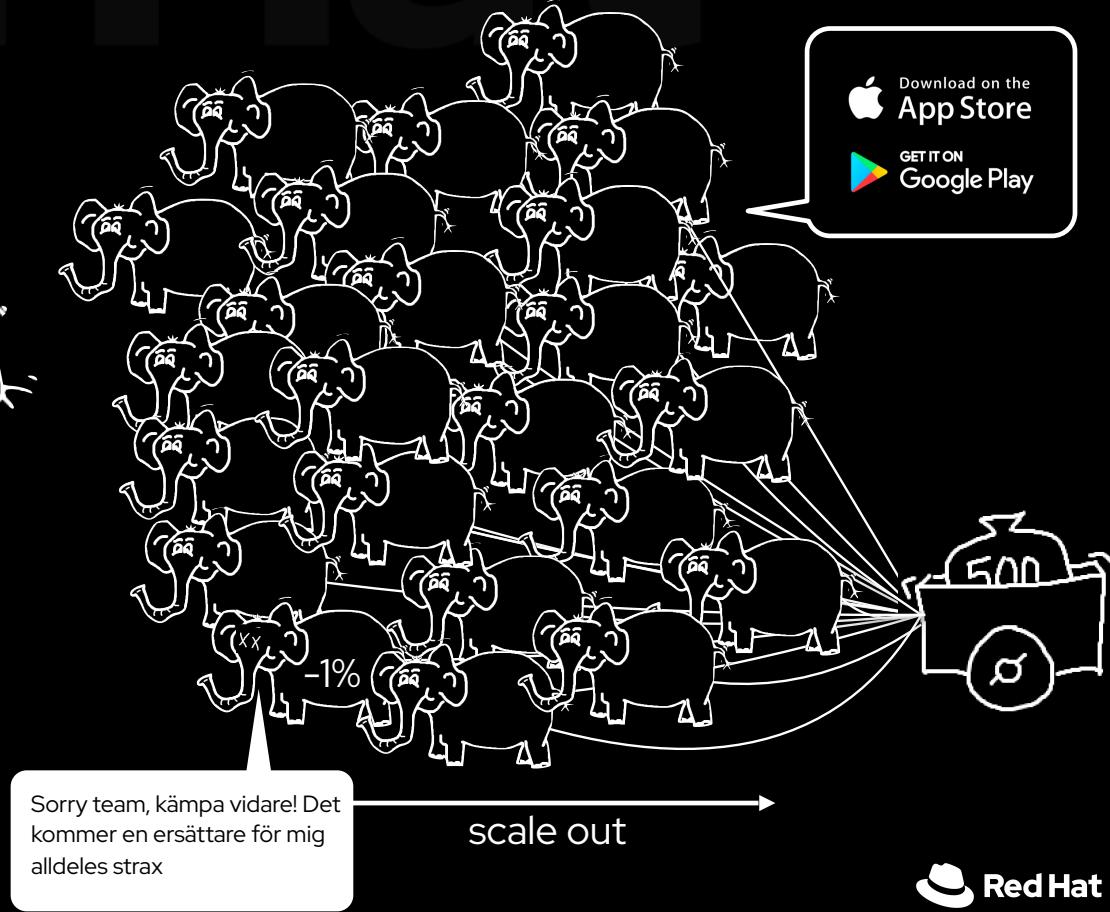
404 Not found

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Min fantastiska app  
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Min fantastiska app  
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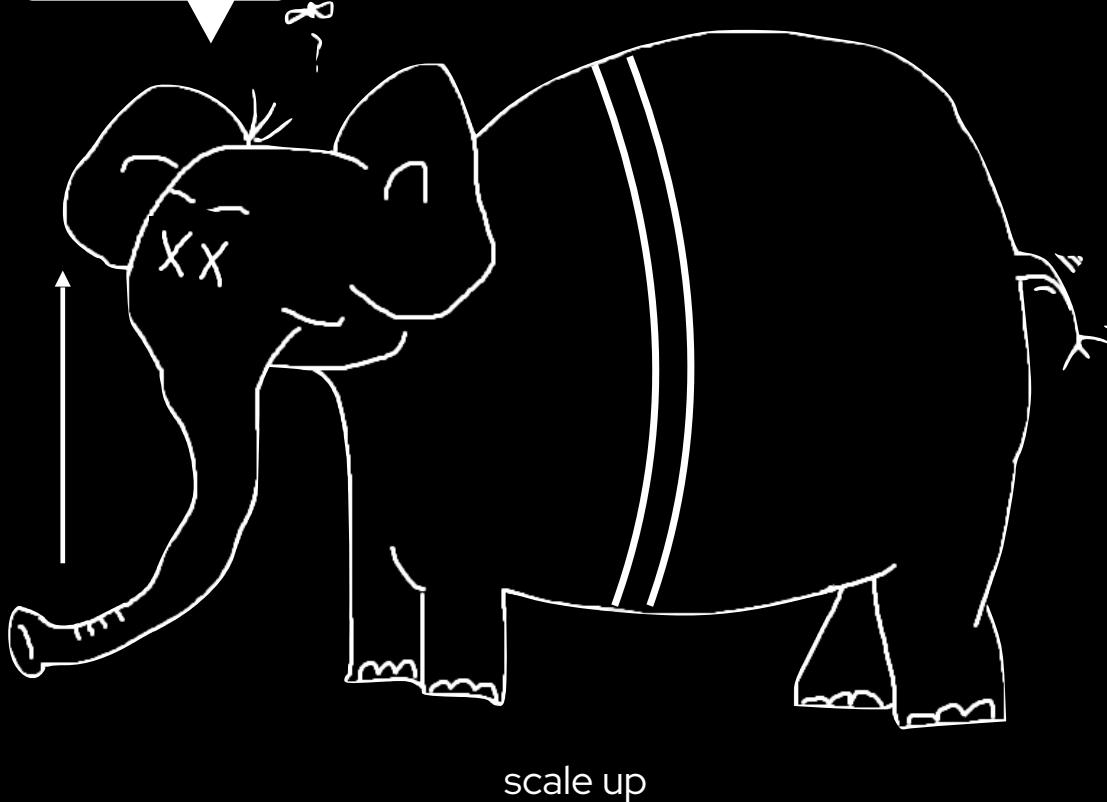


# Applikationer förändras

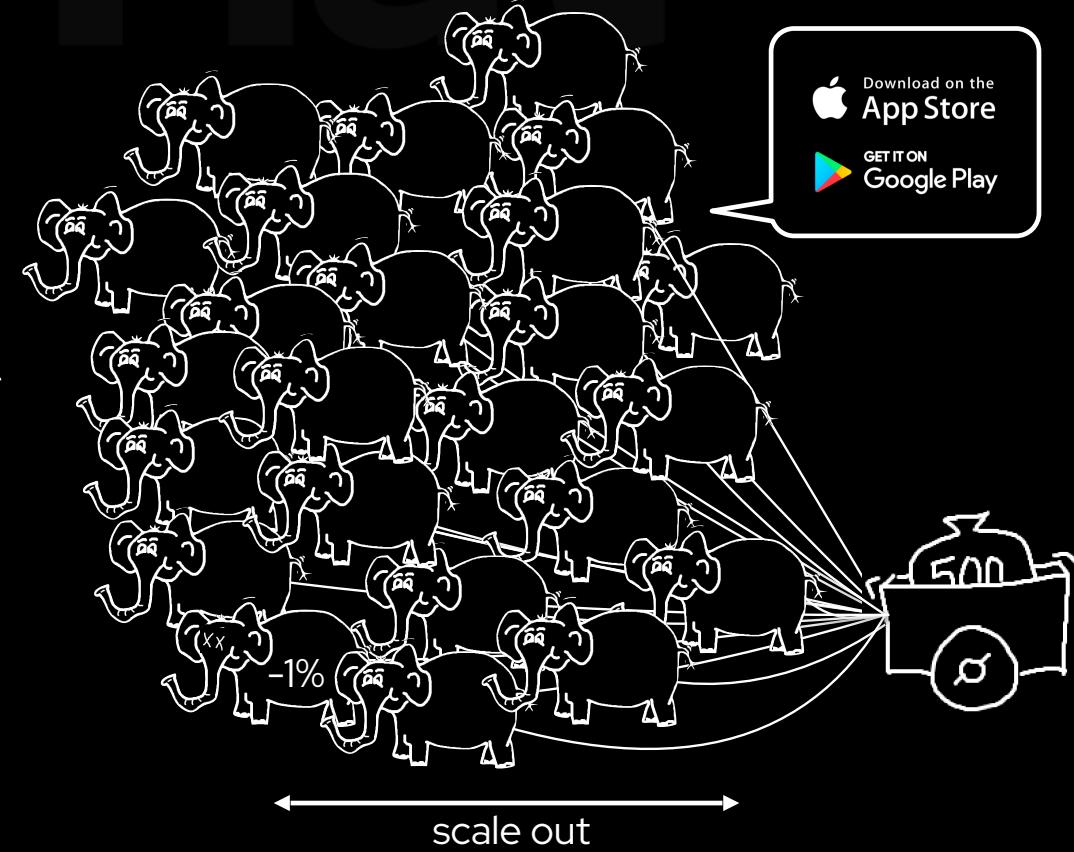
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Min fantastiska app  
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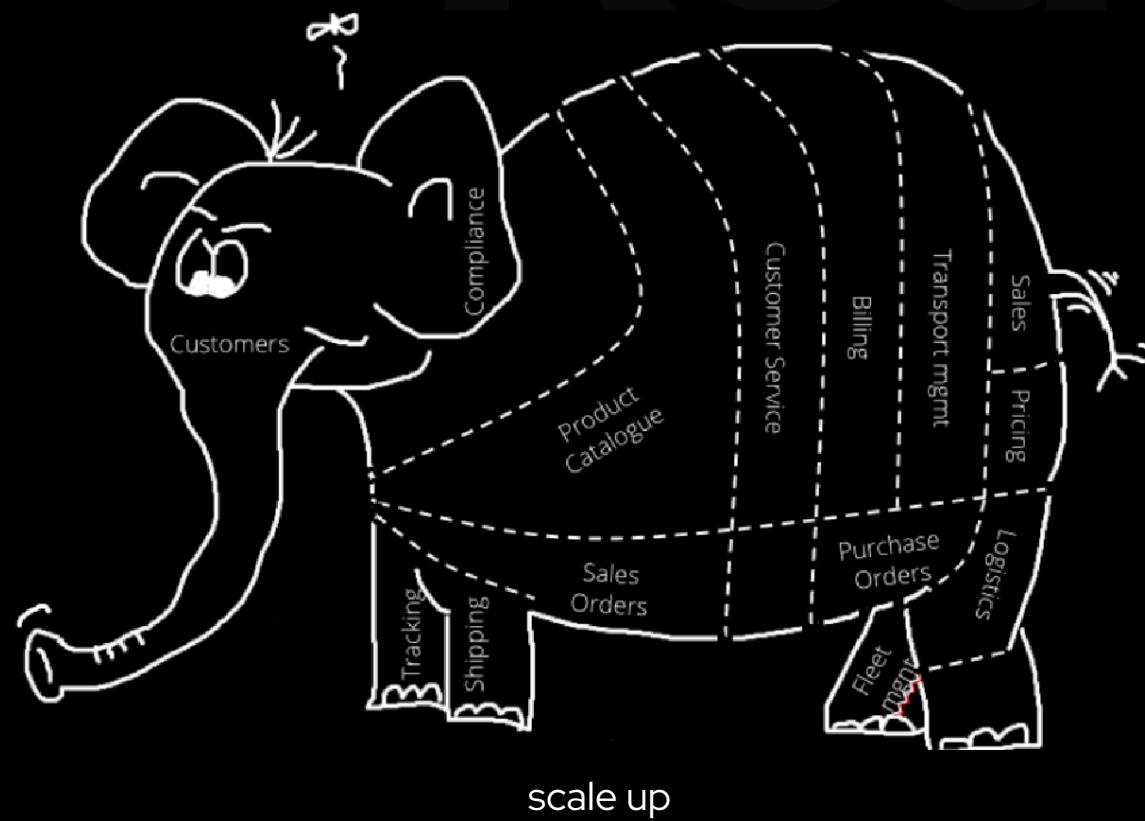


Min fantastiska app  
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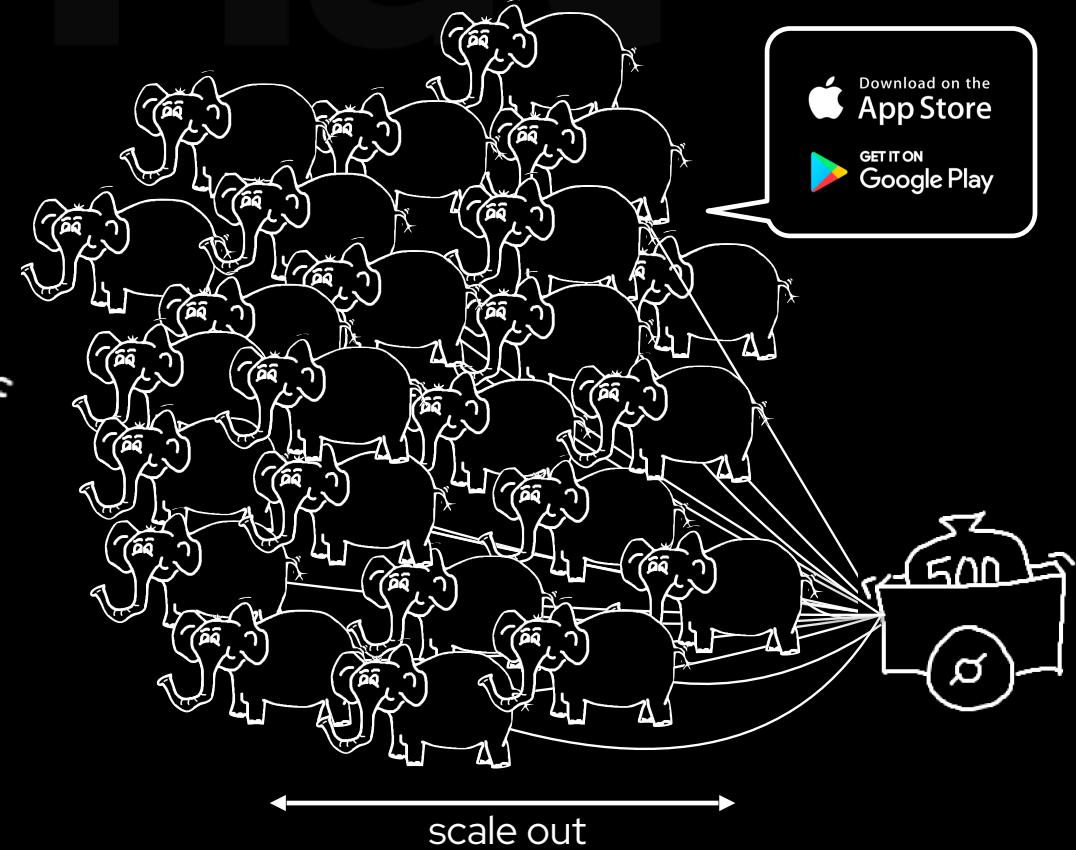


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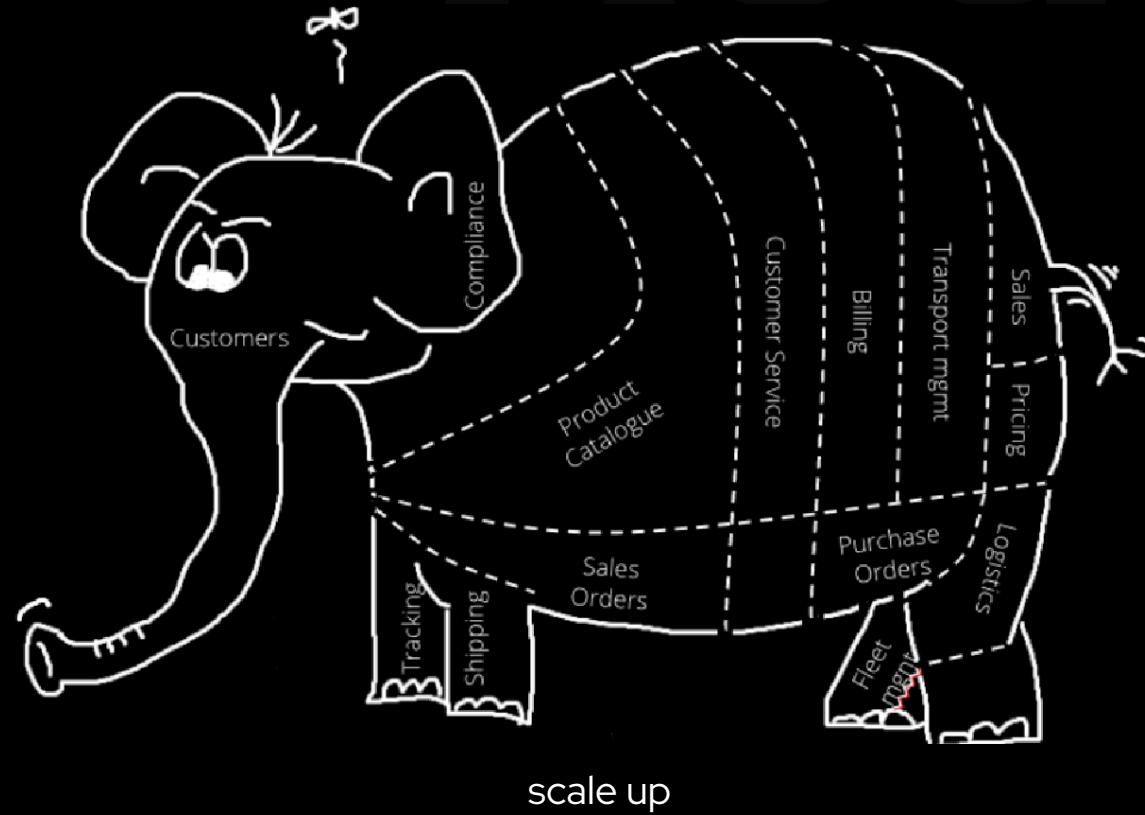


Min fantastiska app  
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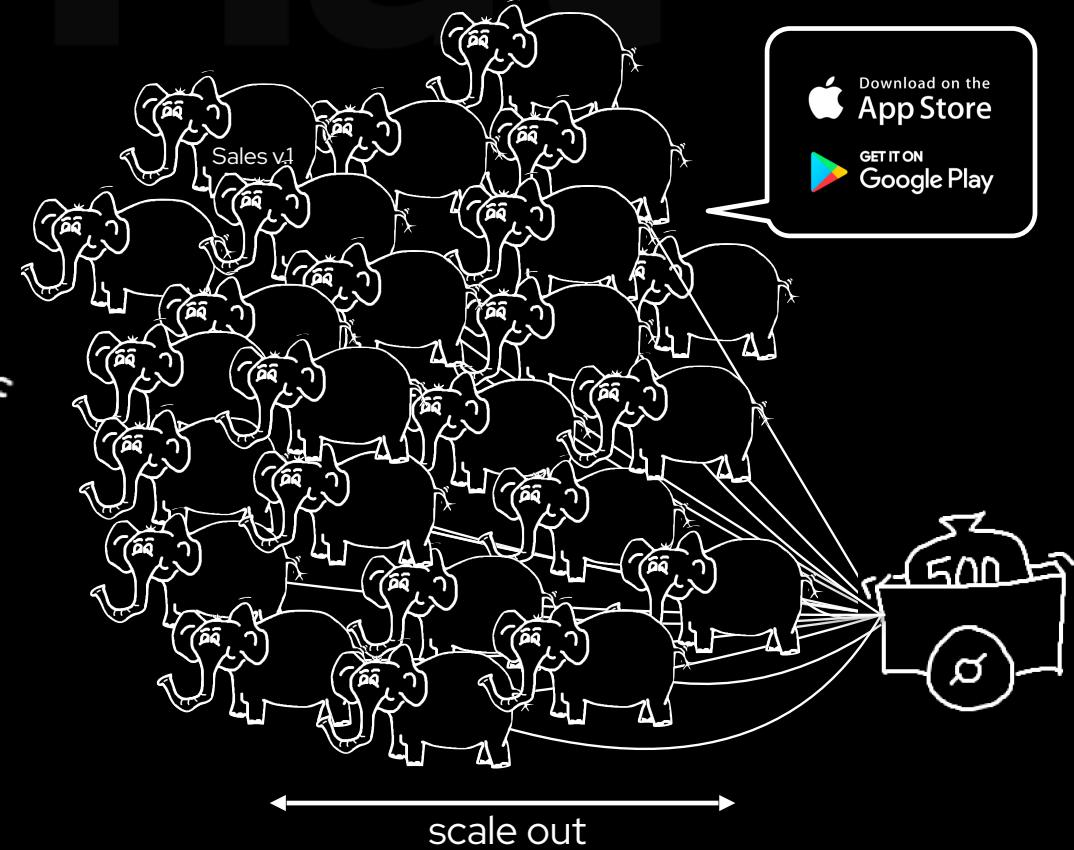


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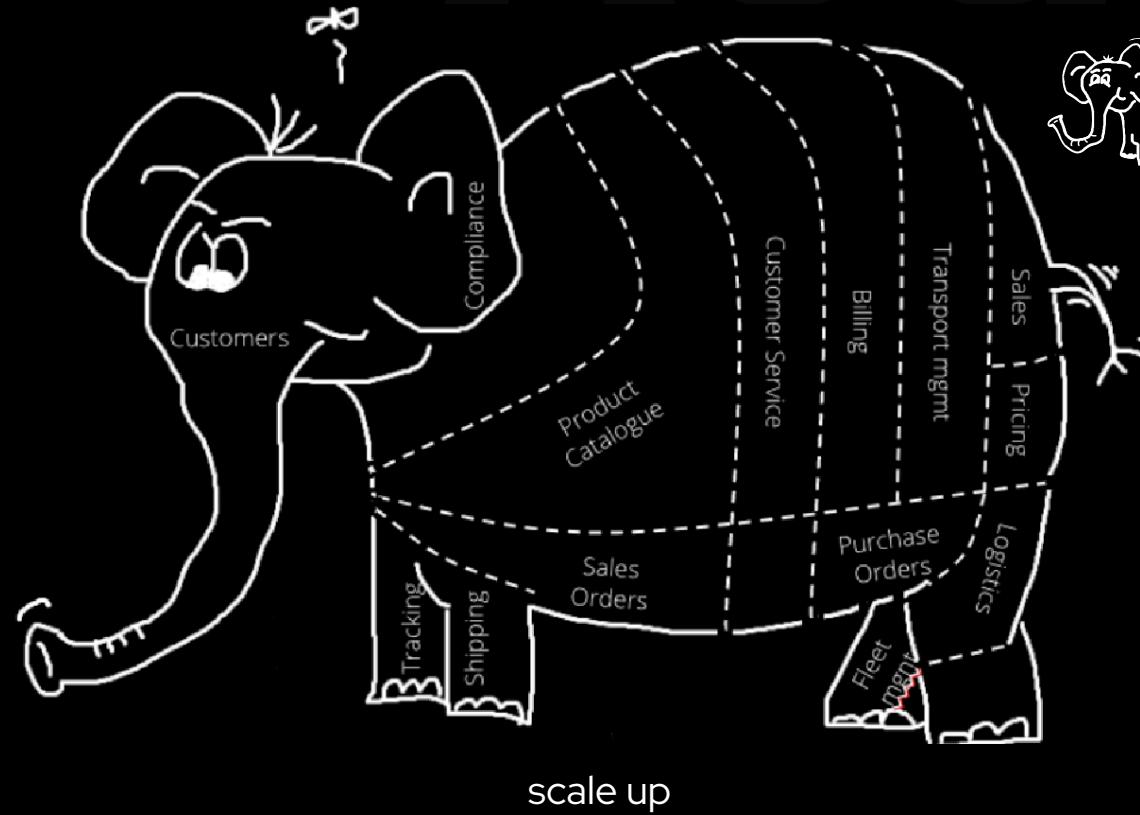


Min fantastiska app  
"cloud native"

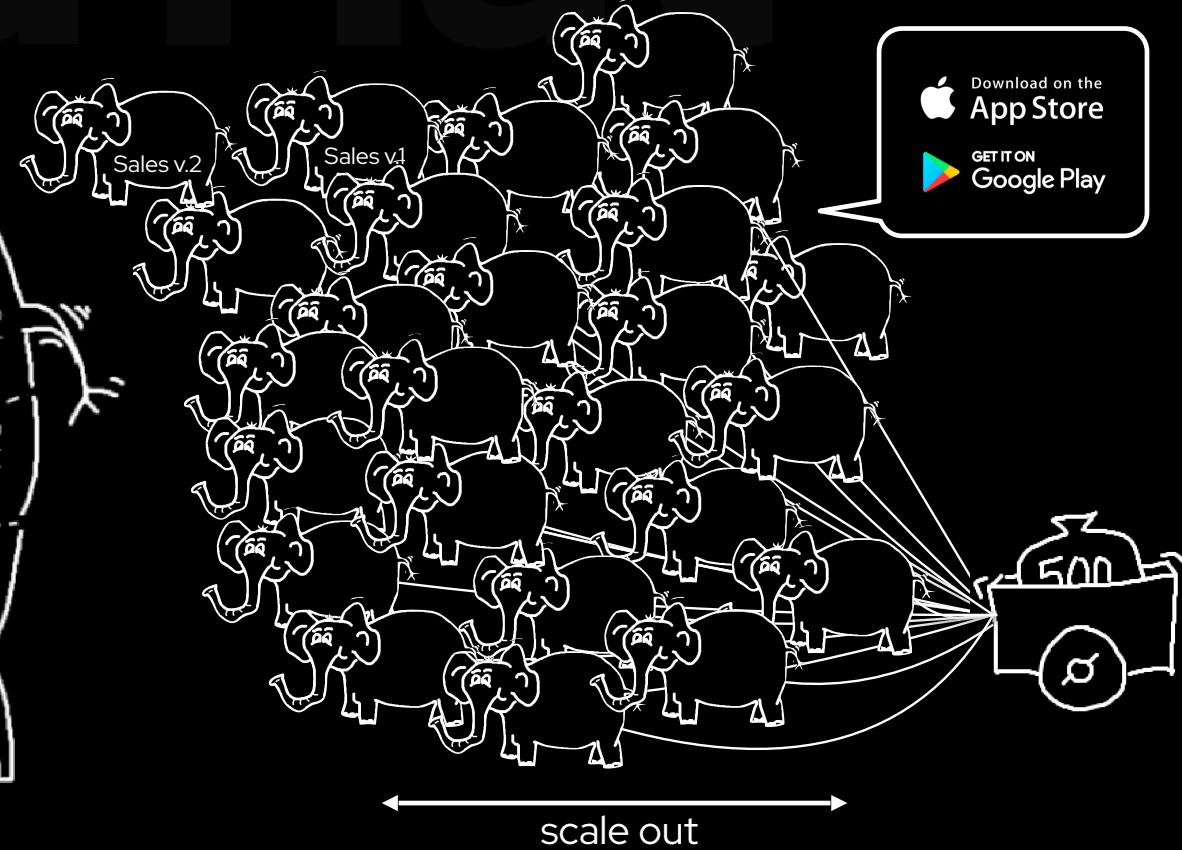


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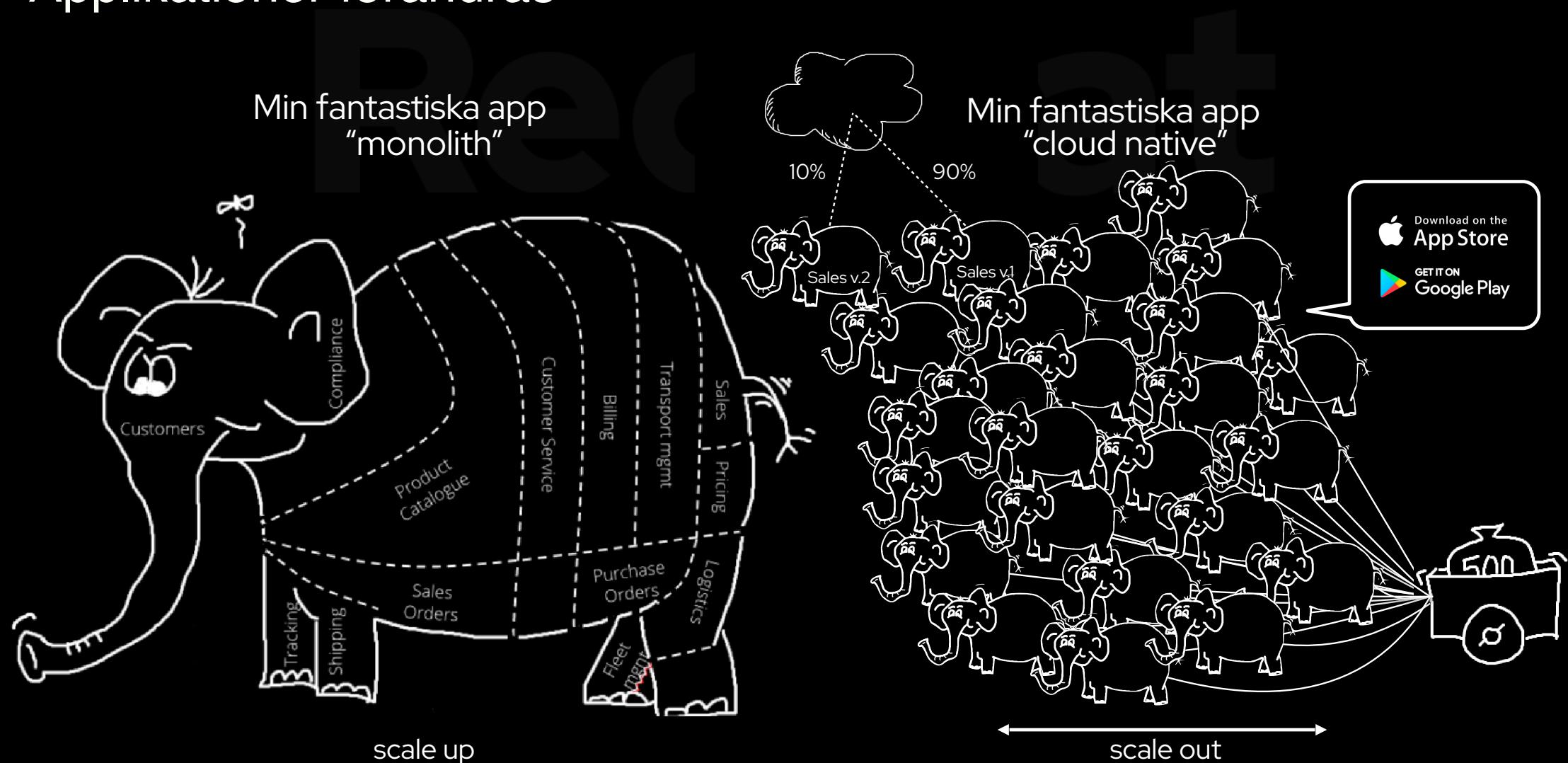
Min fantastiska app  
"monolith"



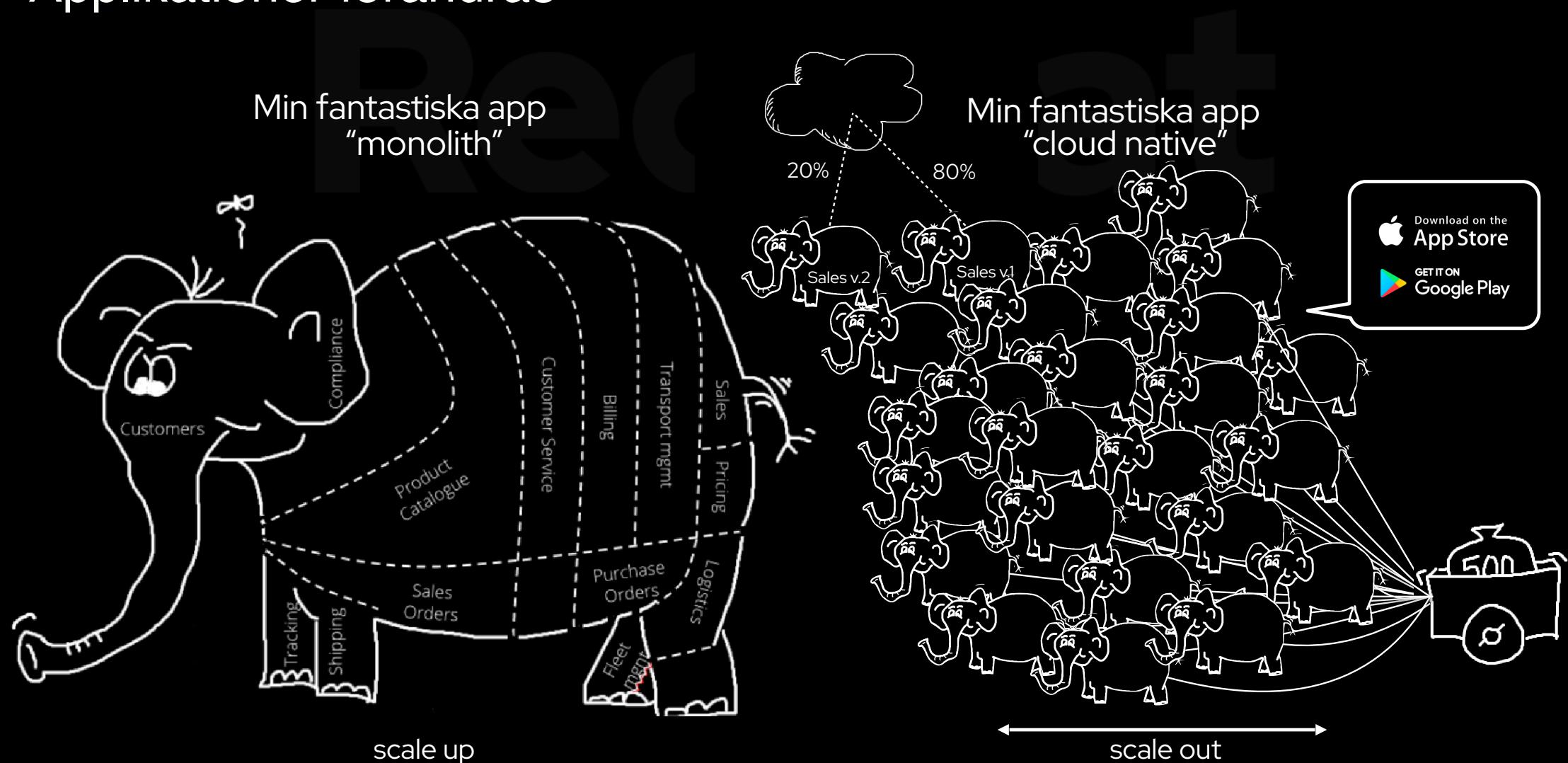
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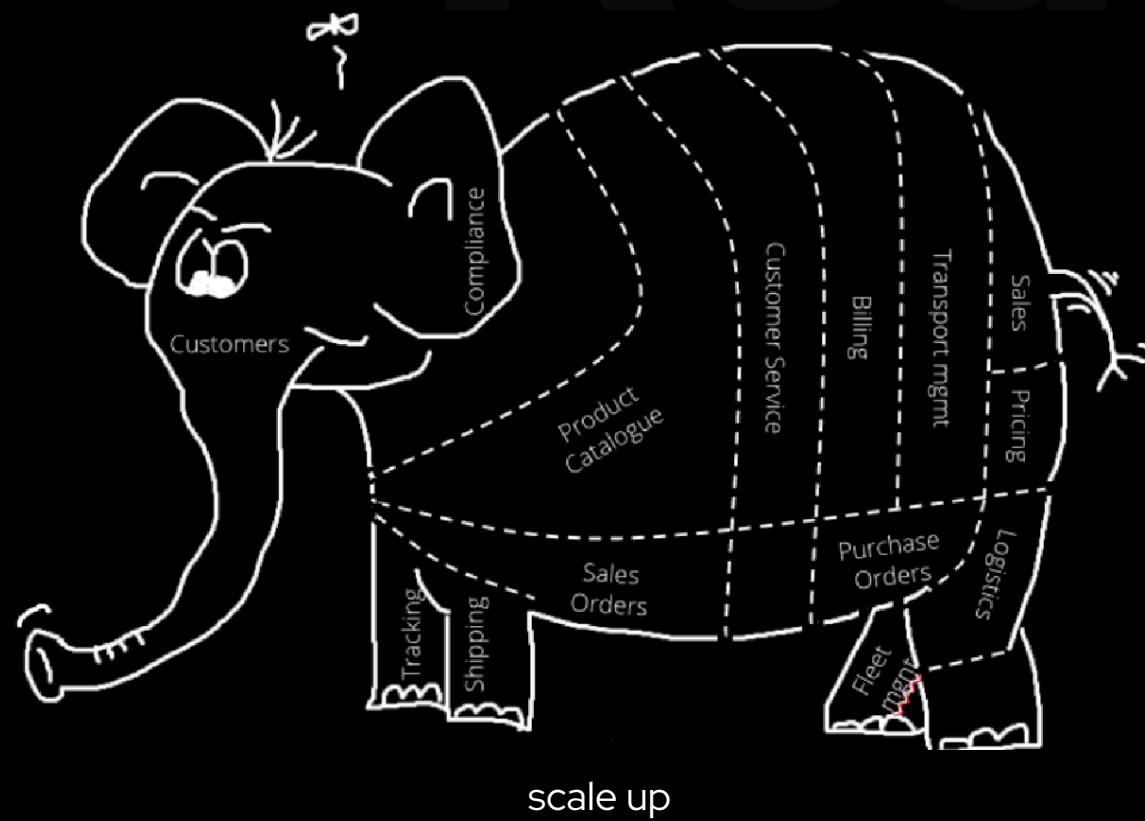


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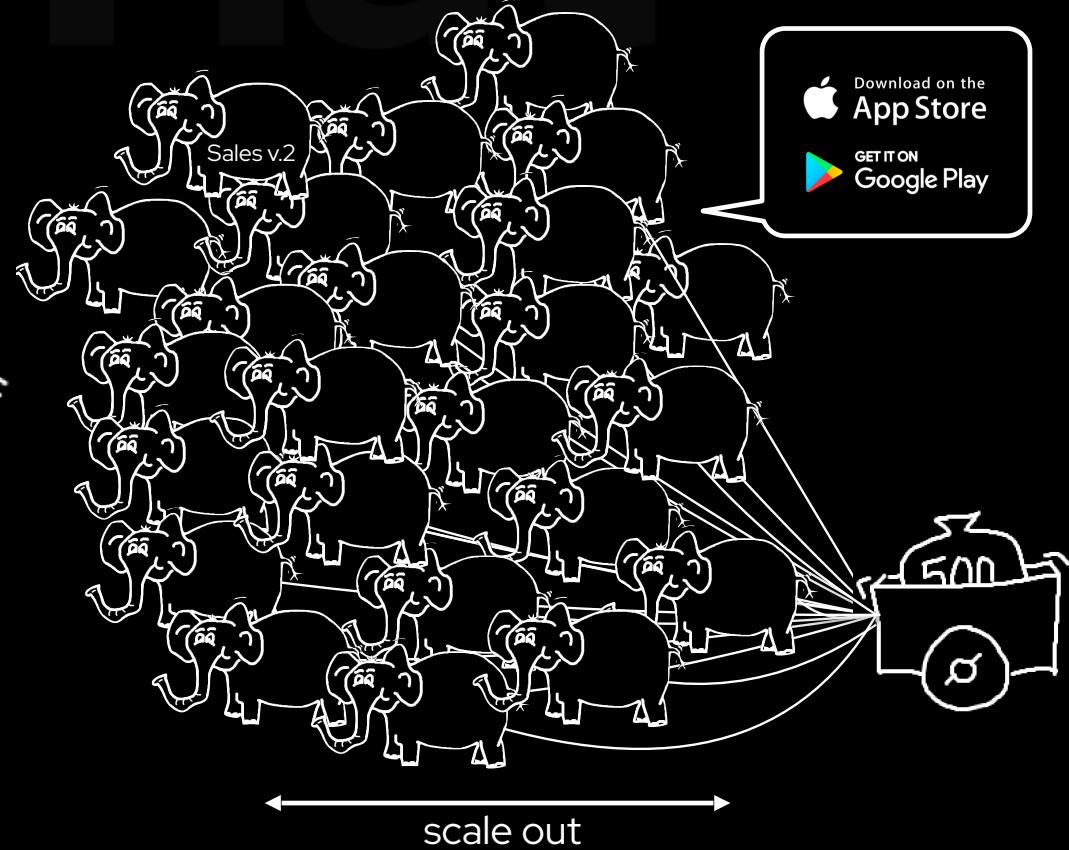


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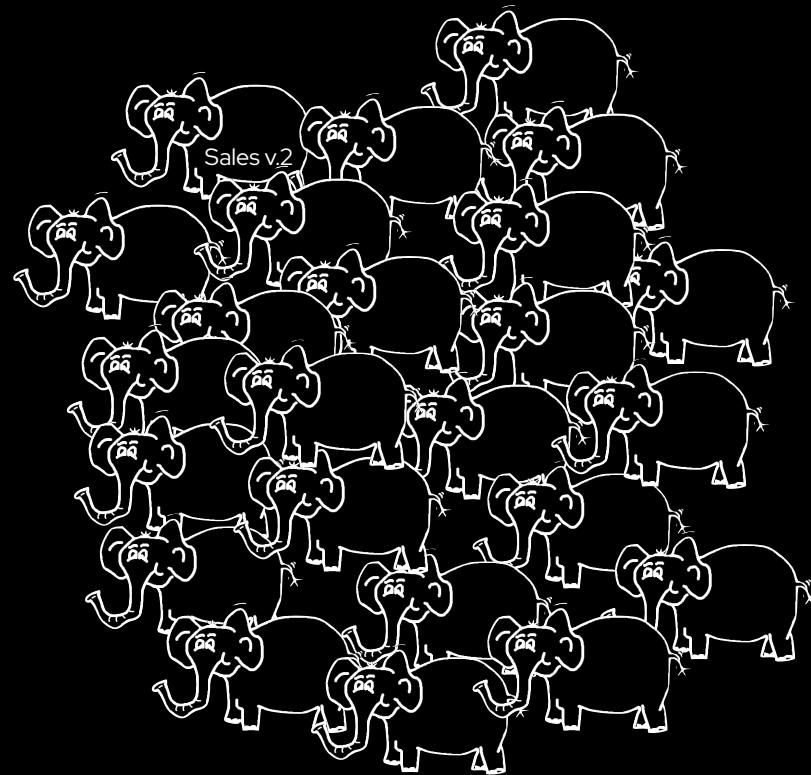
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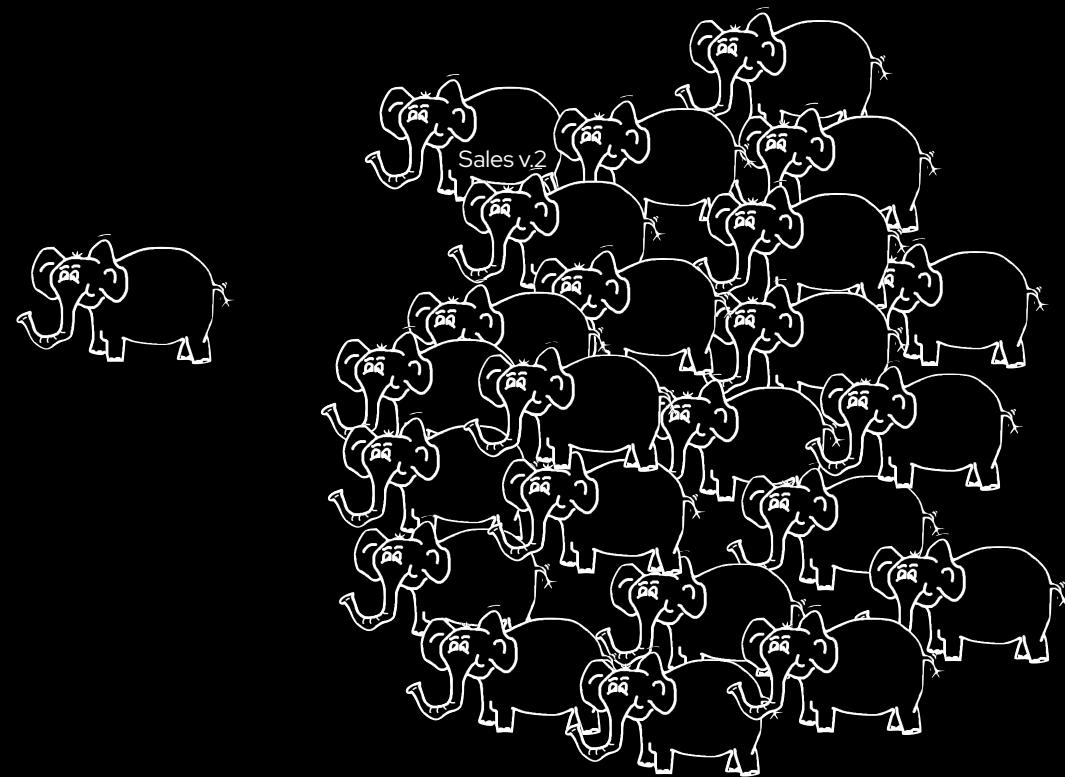
Min fantastiska app  
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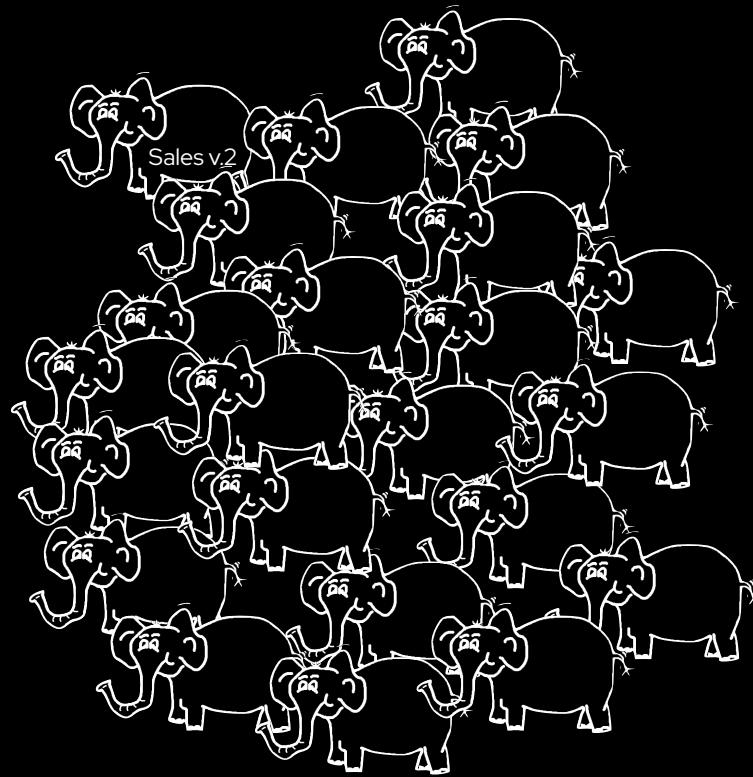
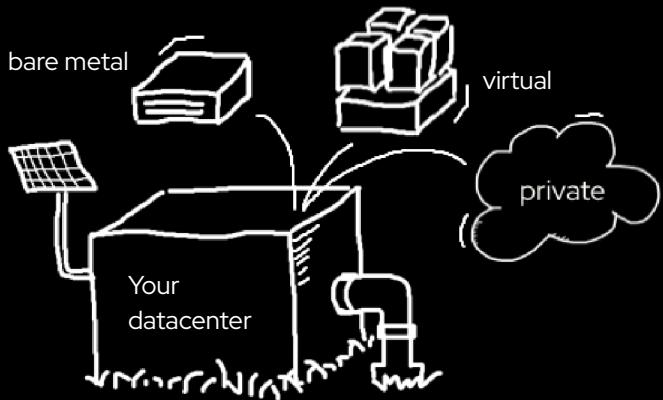
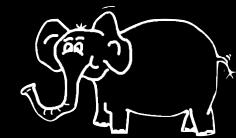
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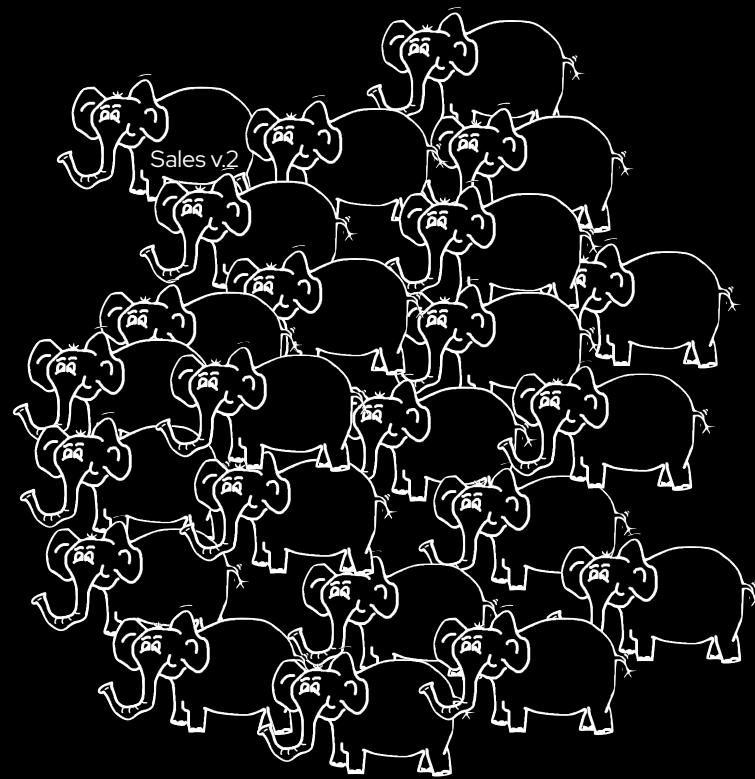
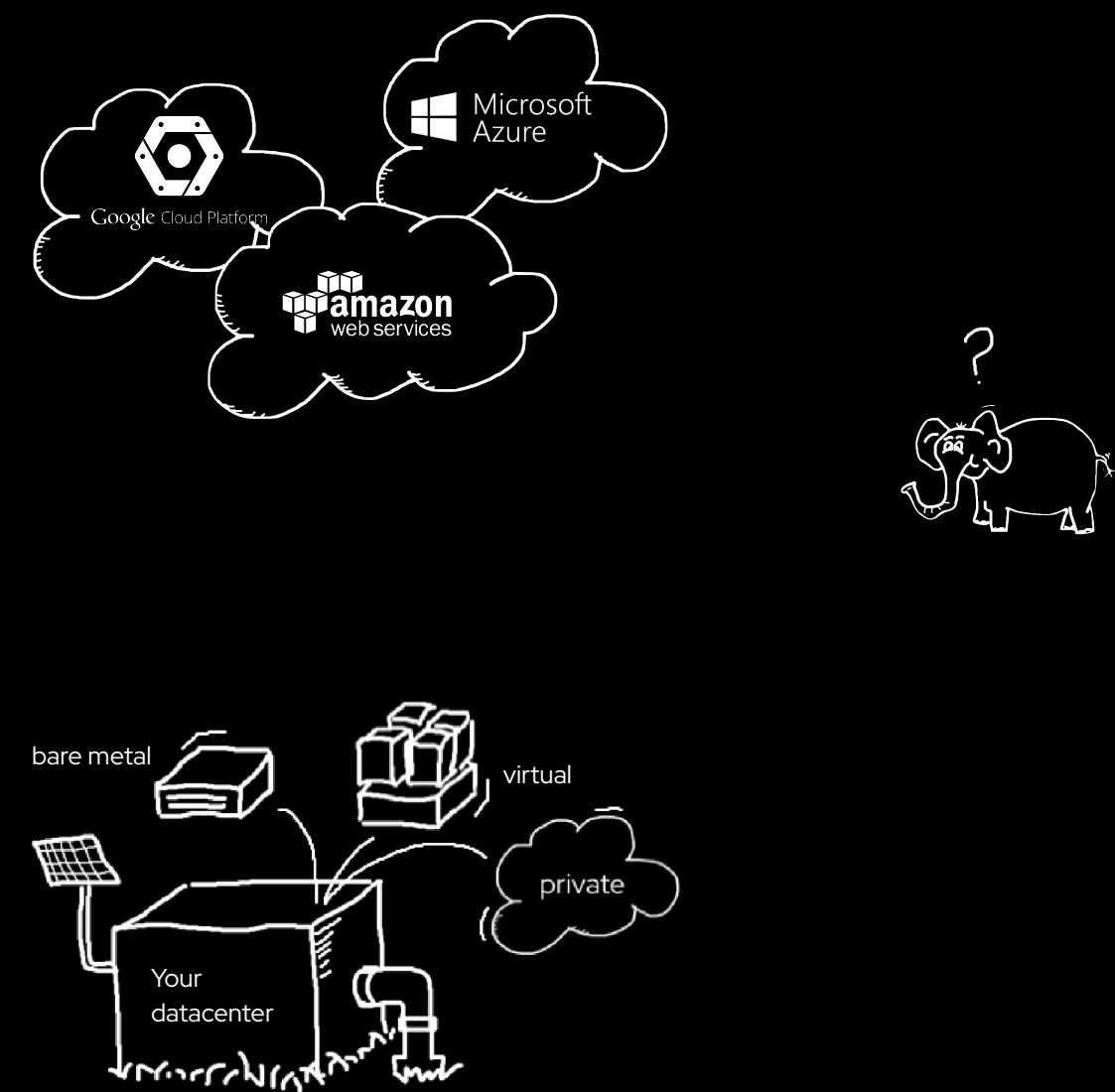
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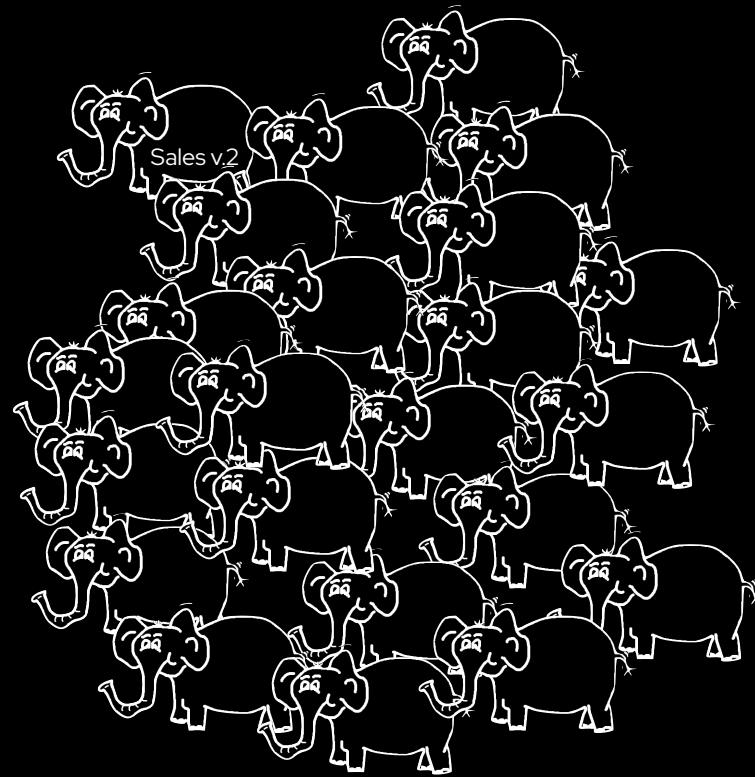
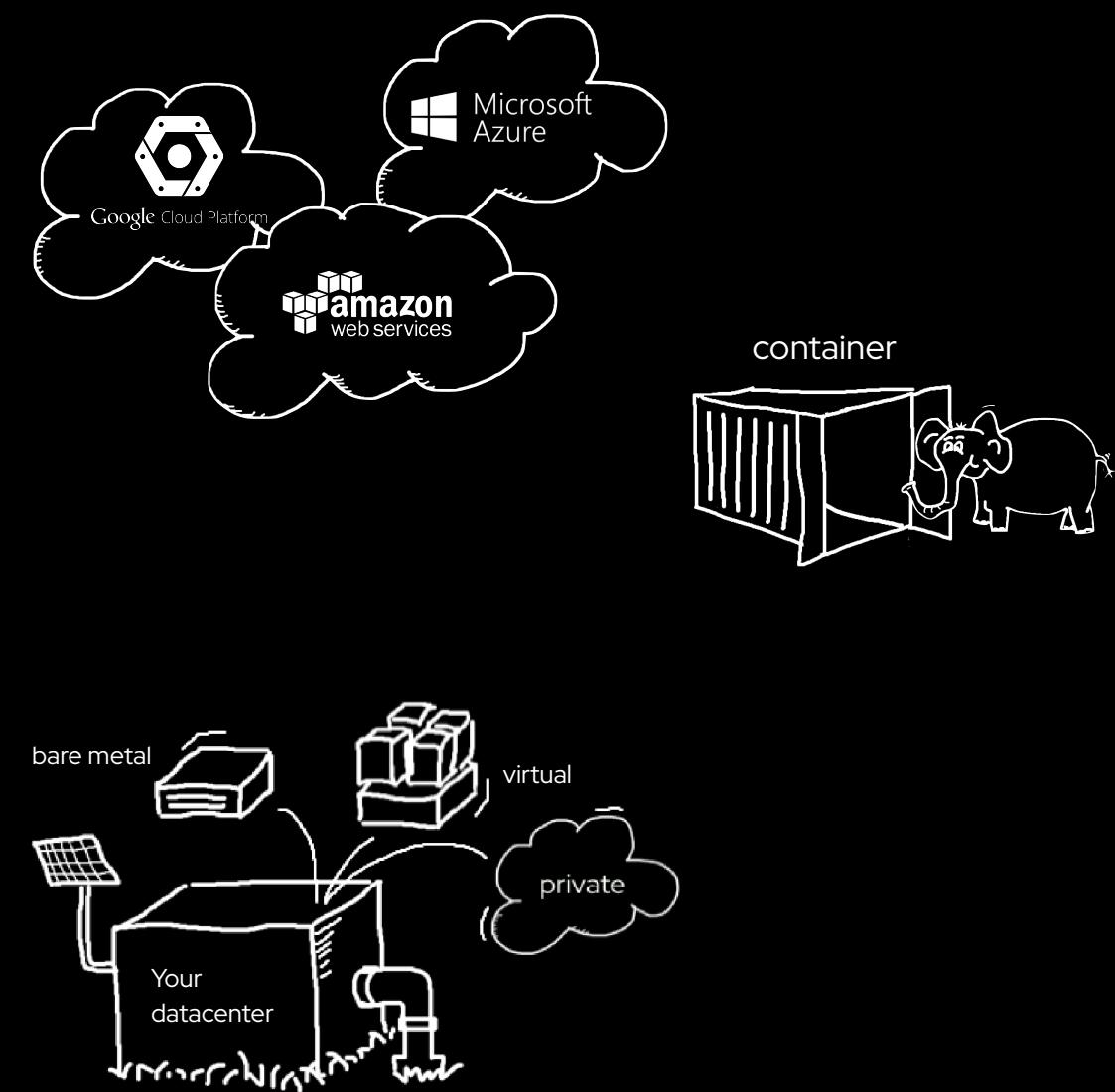
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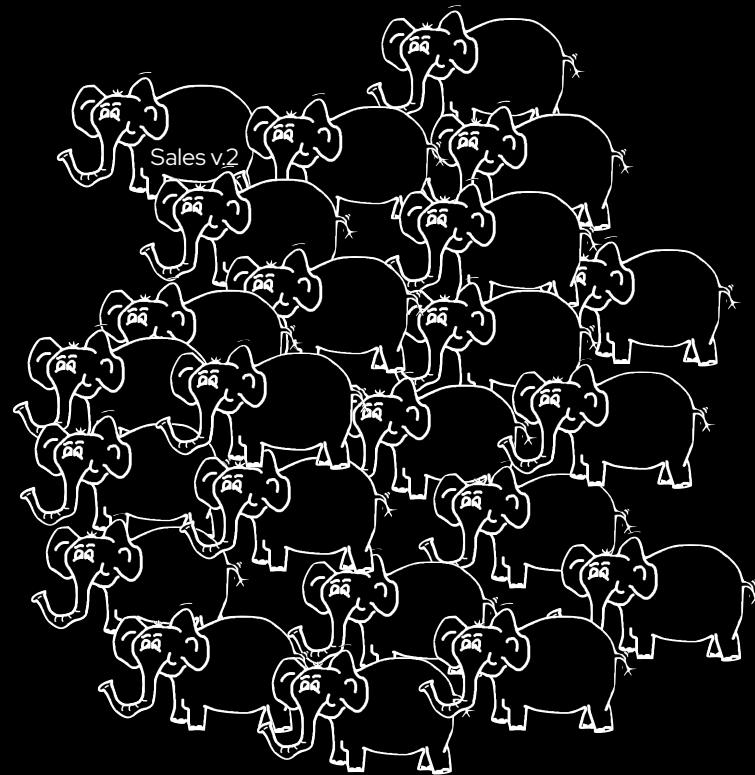
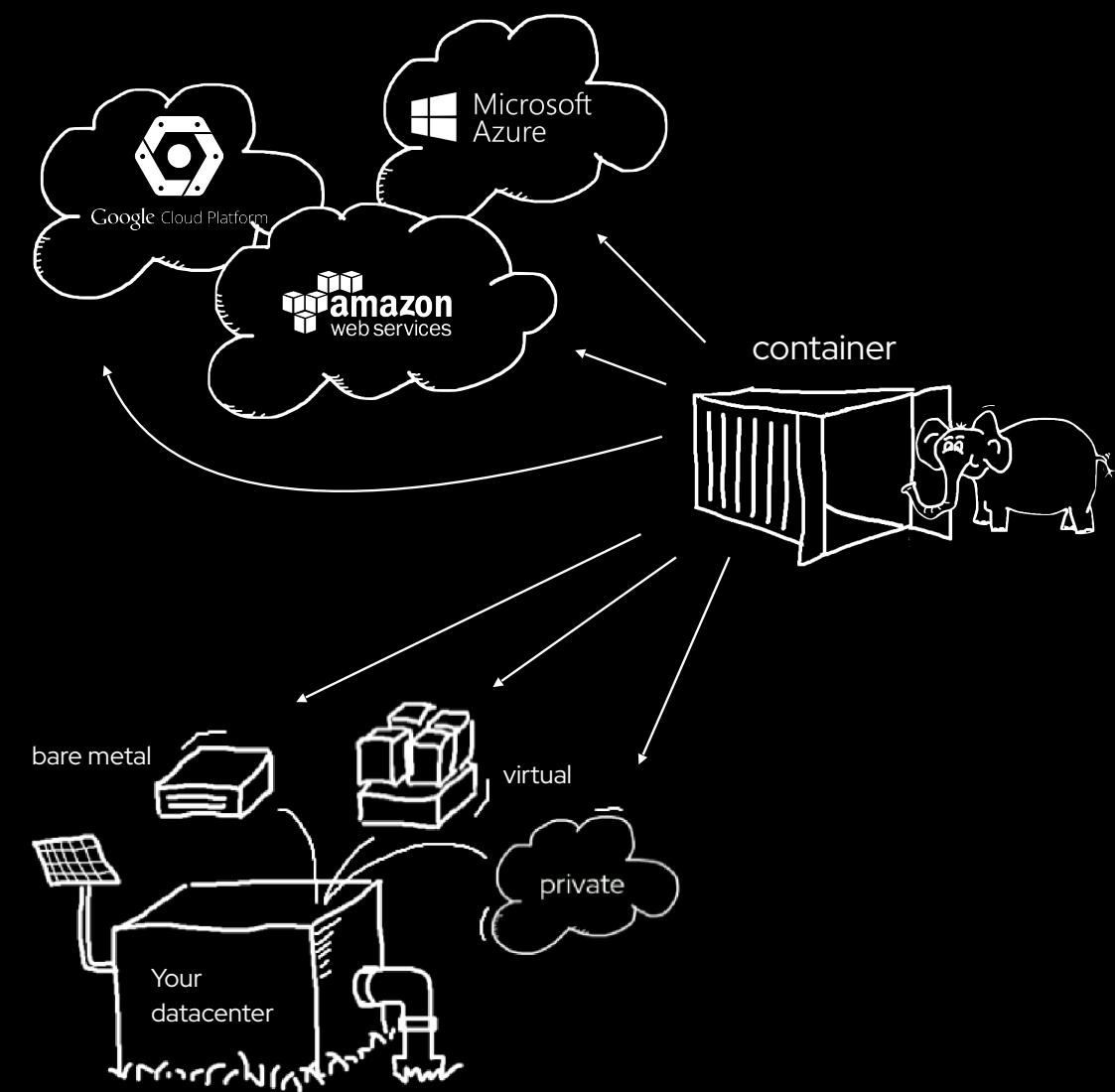
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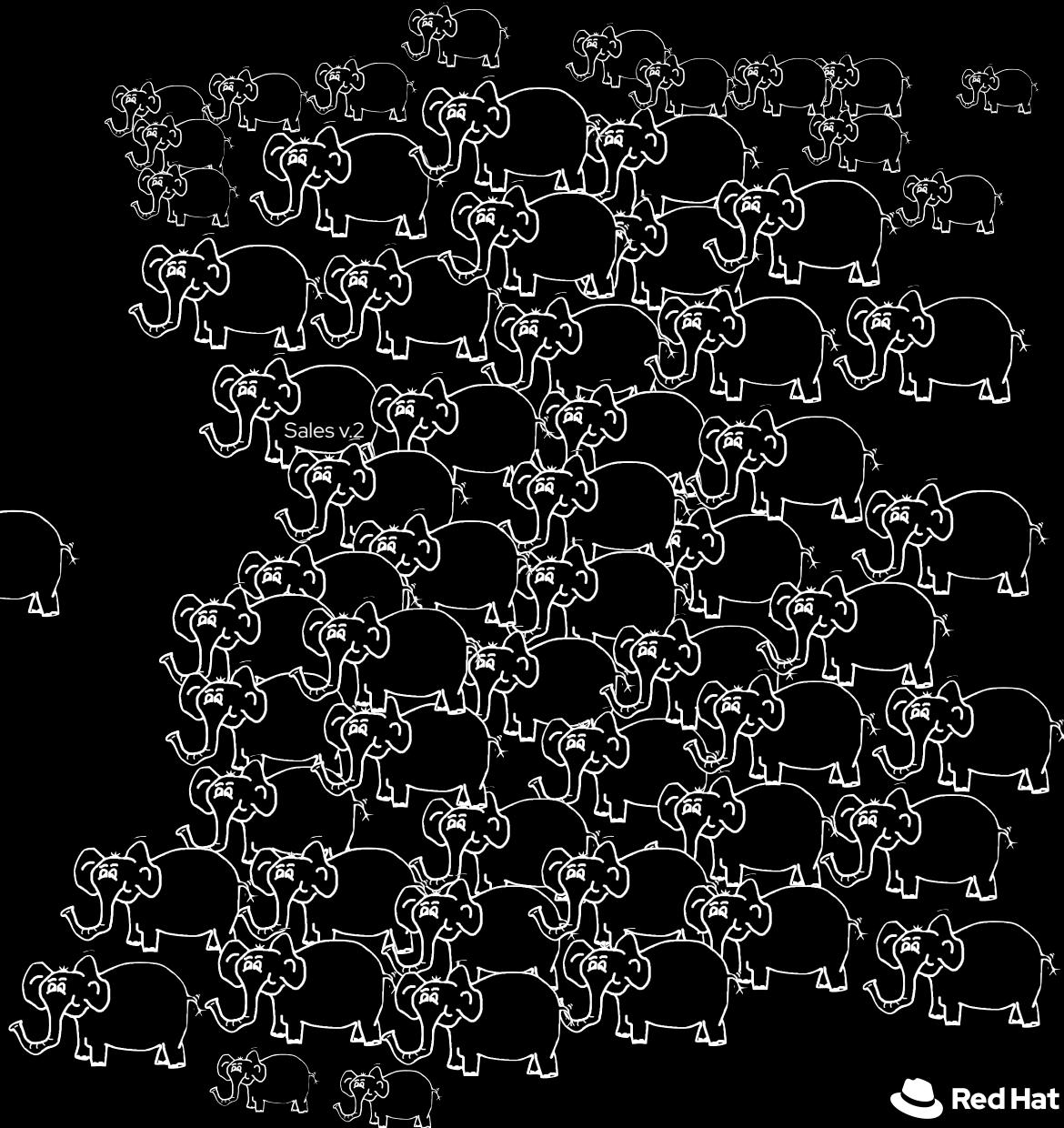
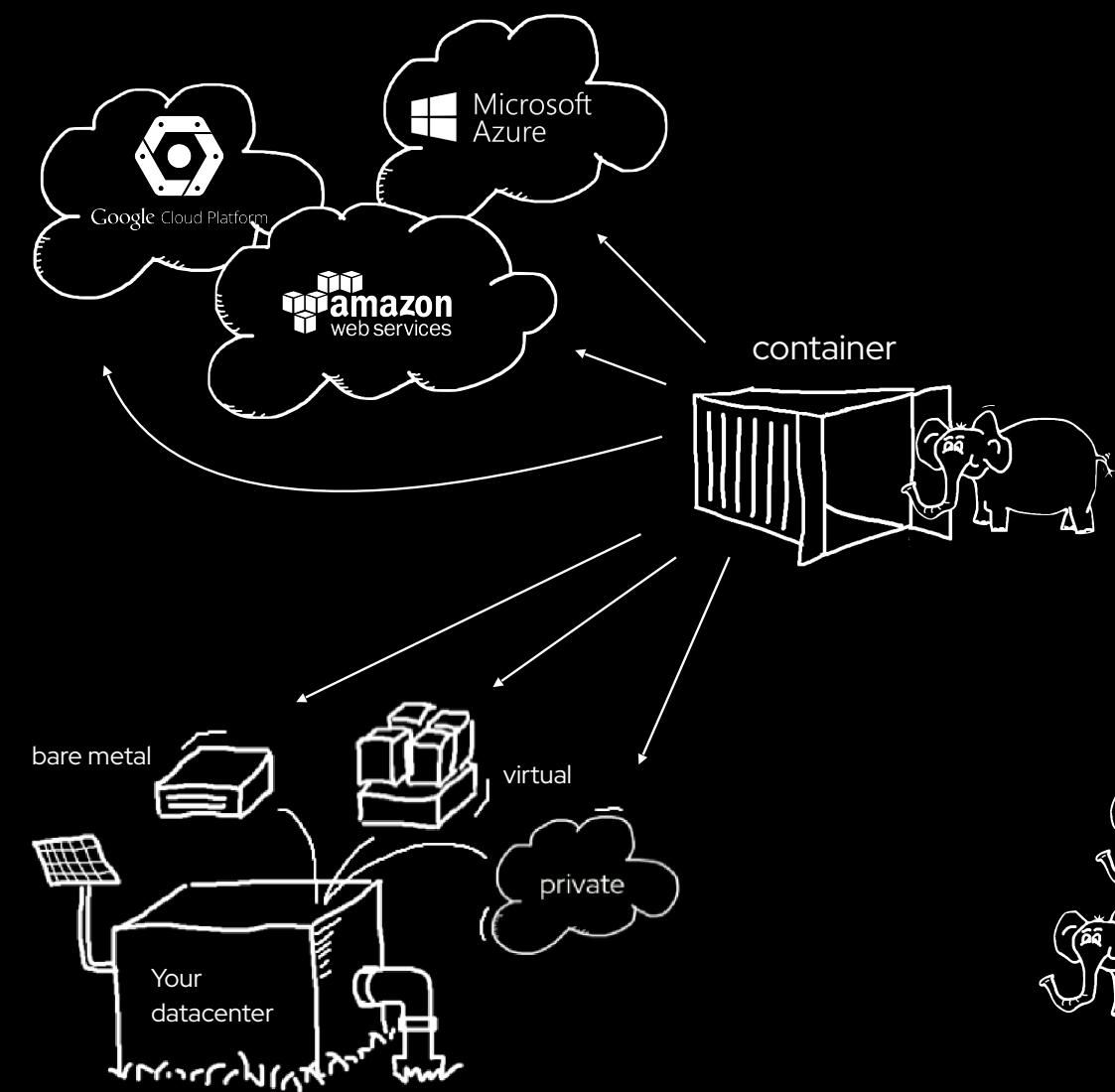
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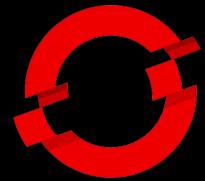


# Paketering förändras



# Paketering förändras





# Red Hat OpenShift Container Platform

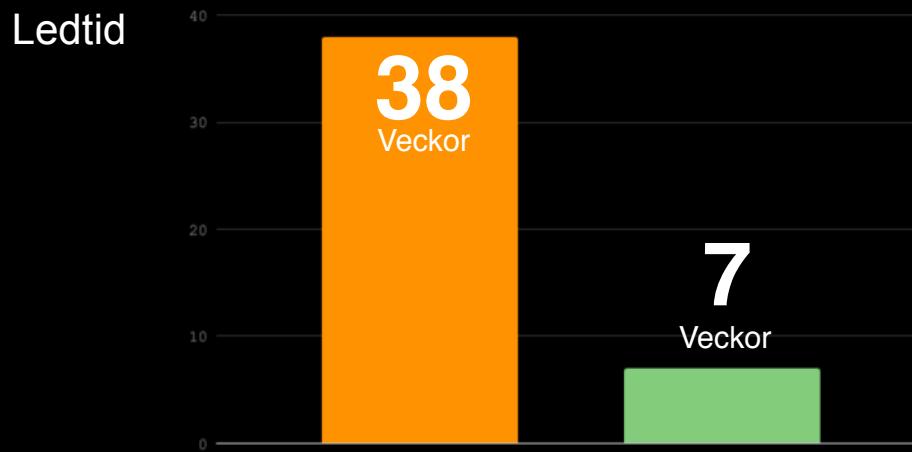
Bygg smartare  
Skeppa snabbare

# Exempel från svensk tillverkningsindustri

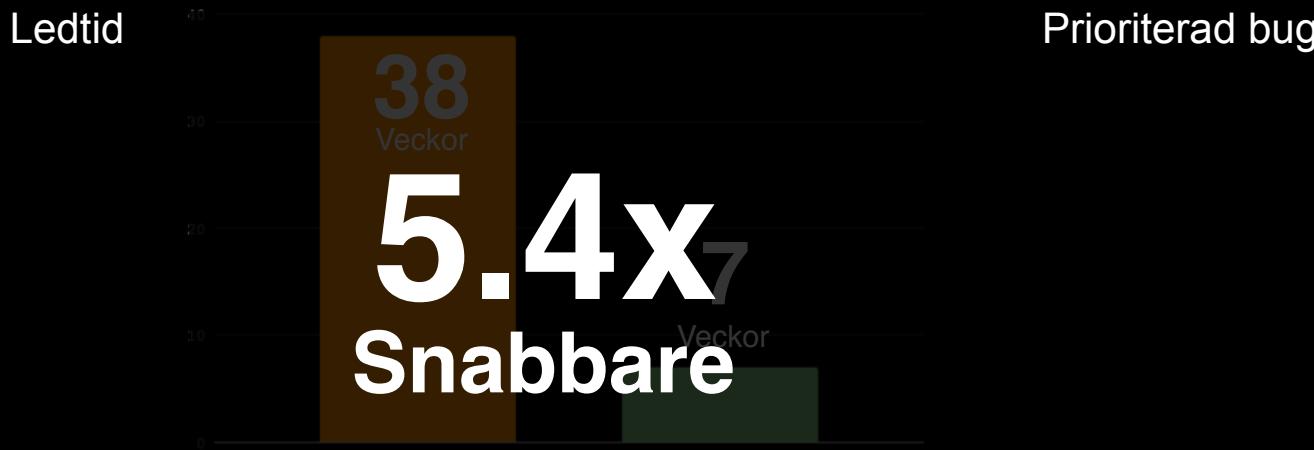


Ledtid

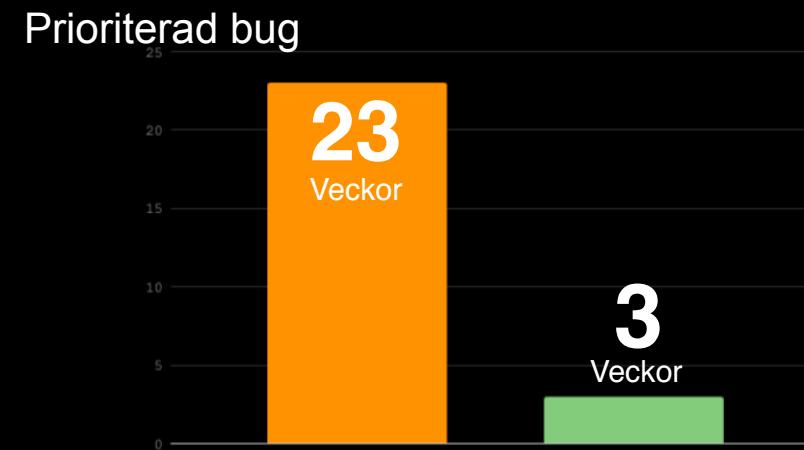
# Exempel från svensk tillverkningsindustri



# Exempel från svensk tillverkningsindustri



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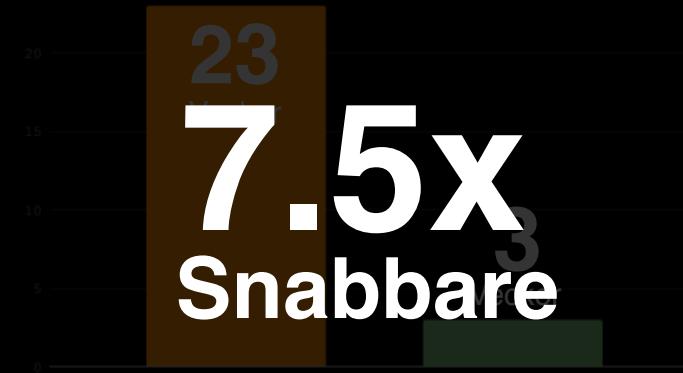


# Exempel från svensk tillverkningsindustri

Ledtid



Prioriterad bug



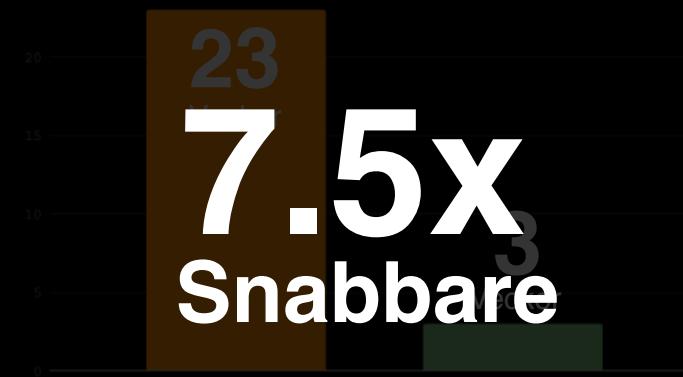
Validera funktion

# Exempel från svensk tillverkningsindustri

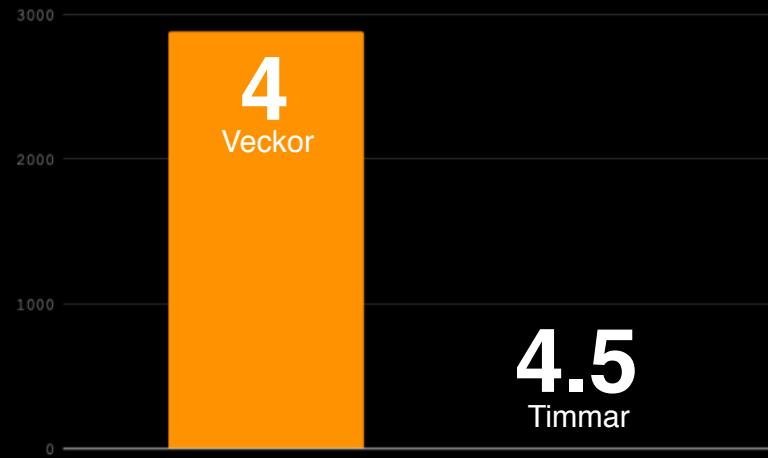
Ledtid



Prioriterad bug



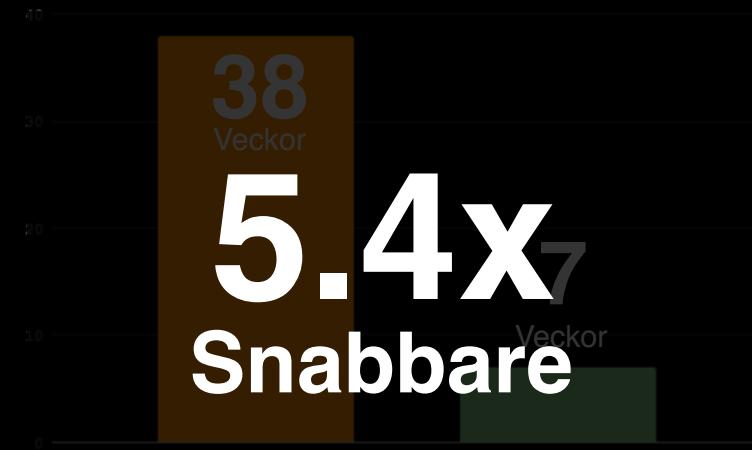
Validera funktion



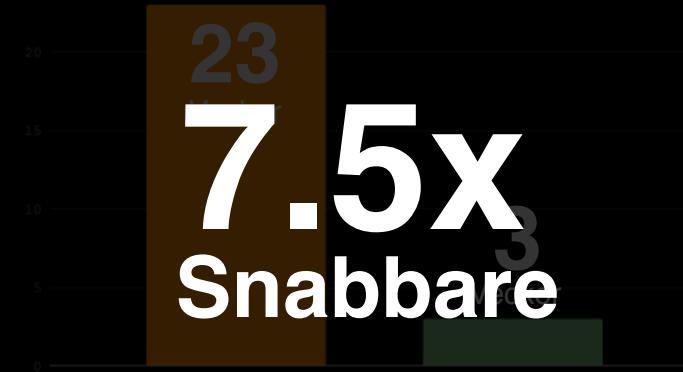
# Exempel från svensk tillverkningsindustri

 Red Hat  
OpenShift  
Container Platform

Ledtid



Prioriterad bug



Validera funktion

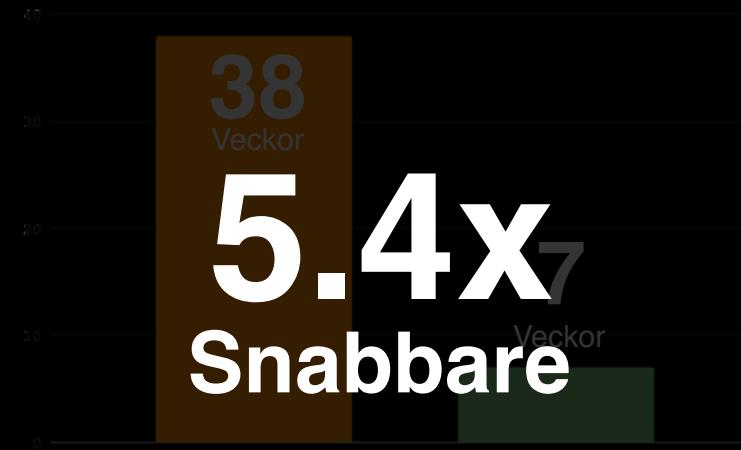


Kritisk bug

 Red Hat

# Exempel från svensk tillverkningsindustri

Ledtid



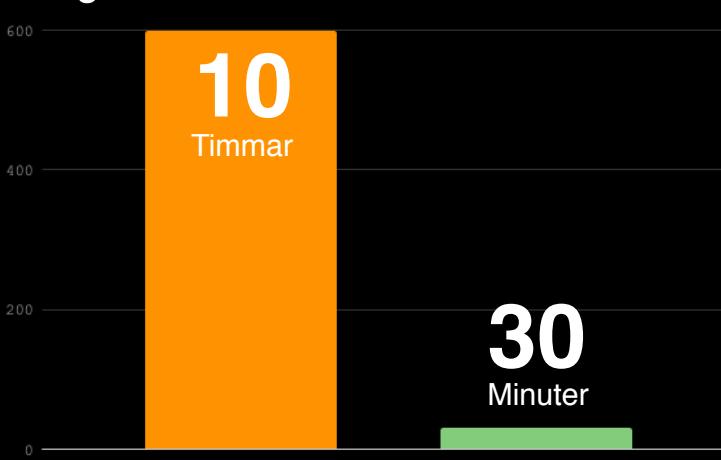
Prioriterad bug



Validera funktion



Kritisk bug



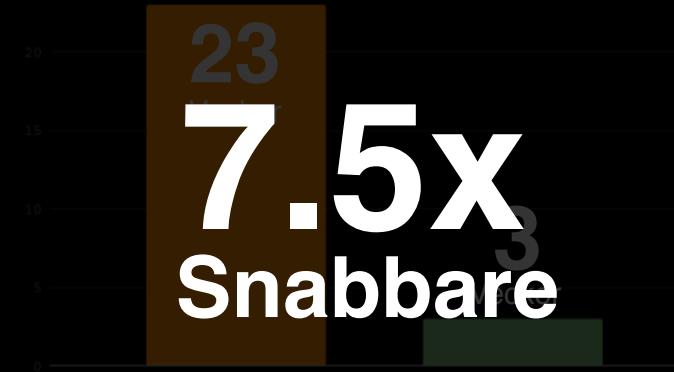
# Exempel från svensk tillverkningsindustri

 Red Hat  
OpenShift  
Container Platform

Ledtid



Prioriterad bug



Validera funktion



Kritisk bug



 Red Hat

# Automation då?

# Automation då?



# Automation då?

on-prem



prod

dev

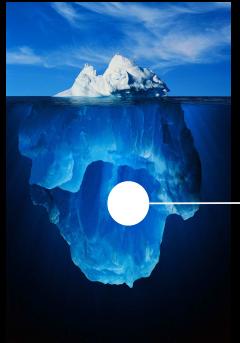


test

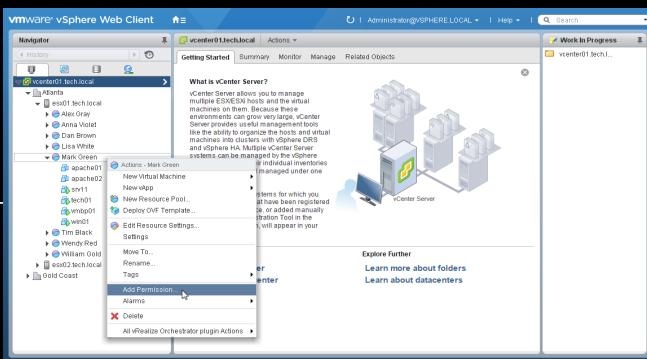


# Automation då?

on-prem



prod



dev



test

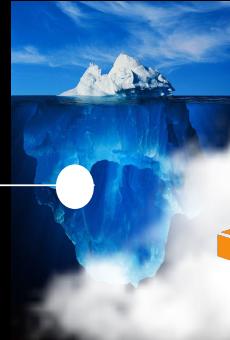


# Automation då?

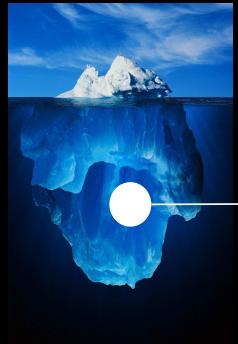
test



dev



on-prem



prod

A screenshot of the vSphere Web Client interface. It shows a navigation tree on the left with sections like 'All Hosts' and 'Main Groups'. In the center, there's a summary card for 'vcenter01.tech.local' with details about hosts and clusters. On the right, there's a 'Work In Progress' section showing a task for 'vcenter01.tech.local'. A context menu is open over a folder named 'Albion - Mer Green', with options like 'Add Permission...', 'Move To...', 'Rename...', 'Tags', and 'Delete'.

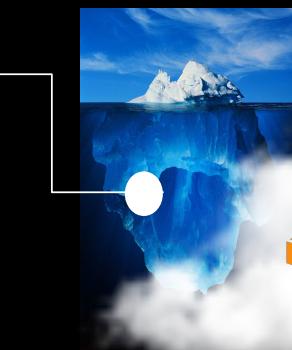
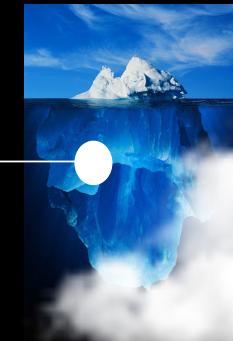


# Automation då?

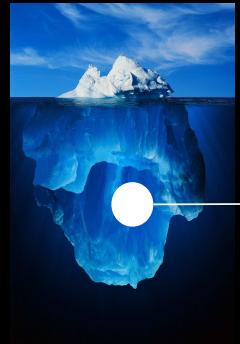
The screenshot shows the AWS Management Console with the EC2 service selected. The left sidebar lists various services like IAM, S3, and Lambda. The main pane displays EC2 resources: 0 Running Instances, 3 Elastic IPs, 0 Dedicated Hosts, 0 Volumes, 8 Key Pairs, and 0 Placement Groups. A prominent blue button at the bottom left says "Launch Instance". Other sections include "Service Health" (EU West (Ireland) - No events), "Scheduled Events" (No events), and "AWS Marketplace" (listing software products).

The screenshot shows the Microsoft Azure portal with the "Access control (IAM)" blade open. It lists users and groups with their roles: "johan.odell" (Owner), "Subscription admins" (Owner), and "Cloud Support" (Owner). The "Add role assignment" button is visible at the top right.

test



on-prem



The screenshot shows the vSphere Web Client interface. The left sidebar shows a tree view of datacenters: Atlanta, Main Office, and New York. The main pane displays the "vCenter01.tech.local" summary screen, which includes a "Getting Started" section with a diagram of a vCenter Server managing multiple ESXi hosts, and a "Work In Progress" section showing a task for "vcenter01.tech.local". A context menu is open over a folder named "Atlanta - Merit Green", with options like "Move To", "Rename", "Tags", and "Add Permission...".

prod



# Automation då?

AWS Services Resource Groups

Resources You are using the following Amazon EC2 resources in the EU West (Ireland) region:

- 0 Running Instances
- 3 Elastic IPs
- 0 Dedicated Hosts
- 0 Volumes
- 0 Snapshots
- 8 Key Pairs
- 0 Load Balancers
- 9 Security Groups
- 0 Placement Groups

Learn more about the latest in AWS Compute from AWS re:invent by viewing the EC2 Videos.

Create Instance To start using Amazon EC2 you will want to launch a virtual server, known as an Amazon EC2 instance.

Launch Instance Note: Your instances will launch in the EU West (Ireland) region

Service Health EU West (Ireland): No events

Scheduled Events

Availability Zone Status:

Microsoft Access Virtual machines > Hyper-V machines > Access control (IAM)

Access control (IAM)

Search for a role or user

Role

Owner

Contributor

Reader

Contributor

Owner

Subscription admin

Group

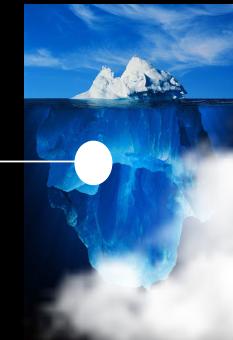
Owner

Owner

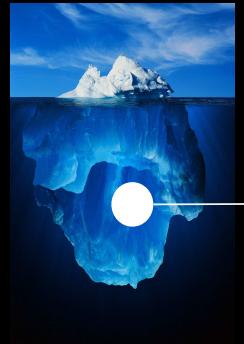
Owner

Create role

test



on-prem



prod

vSphere Web Client

vcenter01.tech.local

Getting Started Summary Monitor Manage Related Objects

What is vCenter Server? vCenter Server allows you to manage multiple ESX/ESXi hosts and virtual machines in your environment. Because these environments can grow very large, vCenter Server provides many powerful features, like the ability to organize the hosts and virtual machines in your environment into datacenters and vSphere HA. Multiple vCenter Server systems can be managed by the vSphere Client, which allows multiple vCenter servers to be managed under one interface.

Actions for which you have been registered as a registered administrator in the currently selected vCenter Server will appear in your vCenter Client.

Add Permission

Remove

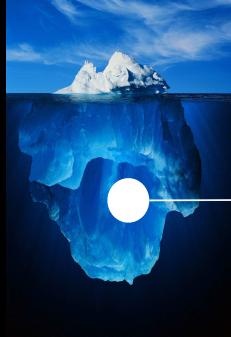
Delete

All vRealize Orchestrator plugin Actions



# Automation då?

on-prem



prod

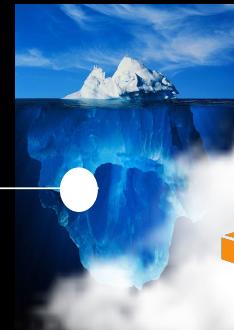


vmware\_infra.yml

azure\_infra.yml

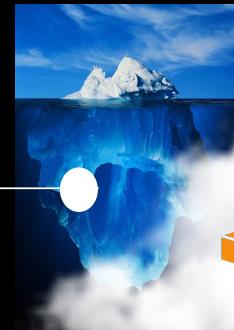
aws\_infra.yml

dev

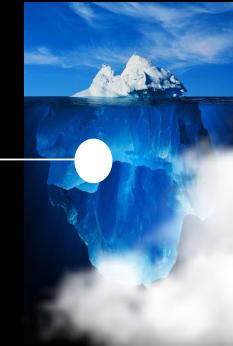


azure\_infra.yml

dev



test



 Microsoft  
Azure

 amazon  
web services

 Red Hat

# Automation då?

azure\_infra.yml

test

The screenshot shows the Ansible Tower web interface. On the left, there's a sidebar with navigation links: My View, RESOURCES (Templates, Credentials, Projects, Inventories, Inventory Scripts), ACCESS (Organizations, Users, Teams), ADMINISTRATION (Credential Types, Notifications, Management Jobs, Instance Groups). The main content area displays three job templates:

- Deploy myapp in AWS** (Job Template)
  - INVENTORY: AWS EU-WEST-1
  - PROJECT: Atea Demos
  - CREDENTIALS: aws, Demo Credential
  - LAST MODIFIED: 21/3/2019 18:00:52 by admin
- Deploy myapp in Azure** (Job Template)
  - INVENTORY: Azure
  - PROJECT: Atea Demos
  - CREDENTIALS: Azure Resource Manager, Demo Credential
  - LAST MODIFIED: 21/3/2019 17:59:54 by admin
- Deploy myapp in VMware** (Job Template)
  - INVENTORY: Gigantic datacenter
  - PROJECT: Atea Demos
  - CREDENTIALS: Demo Credential
  - LAST MODIFIED: 21/3/2019 18:01:49 by admin

Each template has a "Start a job using this template" button with a rocket icon, and standard edit and delete icons.



# Red Hat Ansible Automation

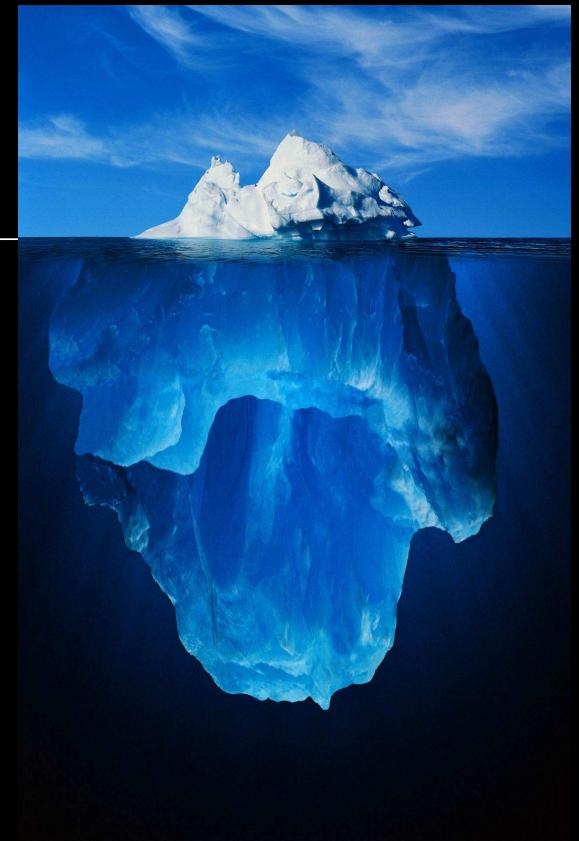


Applikation

Supporterande funktioner:

- App server
- OS
- Databas
- Lastbalanserare
- Brandväggar
- Server
- Lagring
- Nätverk
- Containers
- Molntjänster

Applikation





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Strategiska initiativ

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**Red Hat  
Ansible  
Automation**

Självbetjäning



**Red Hat  
OpenShift  
Container Platform**

Cloud Native

**ATEA  
IT-ARENA**

TRENDER • TEKNIK • INSPIRATION

Tack för mig!

Red Hat  
Vill du veta mer,  
registrera dig vid utgången

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