Tearing down the walls

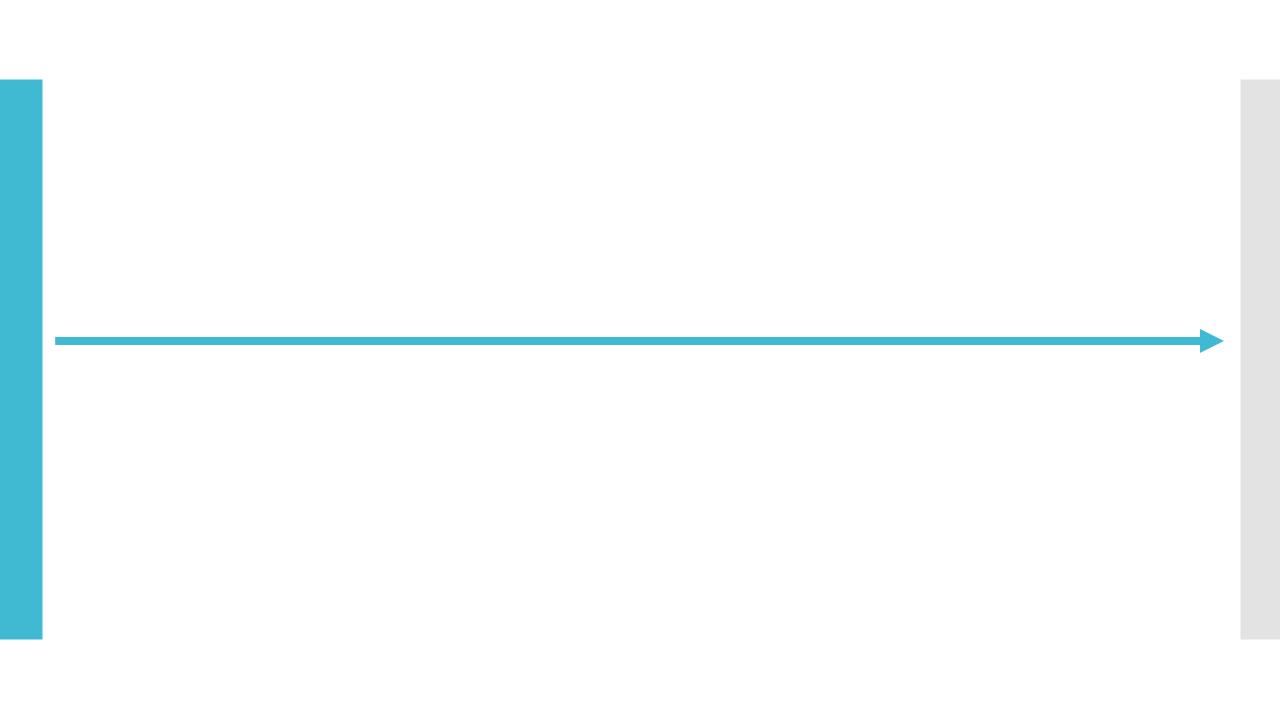
A transformation journey @ the Swedish Public Employment Service



Robert Börjesson



- Product Manager CI/CD DevOps
- 7 years



Sweden is closing more than 100 job centres



A job centre in Stockholm. Photo: Lars Pehrson/SvD/TT

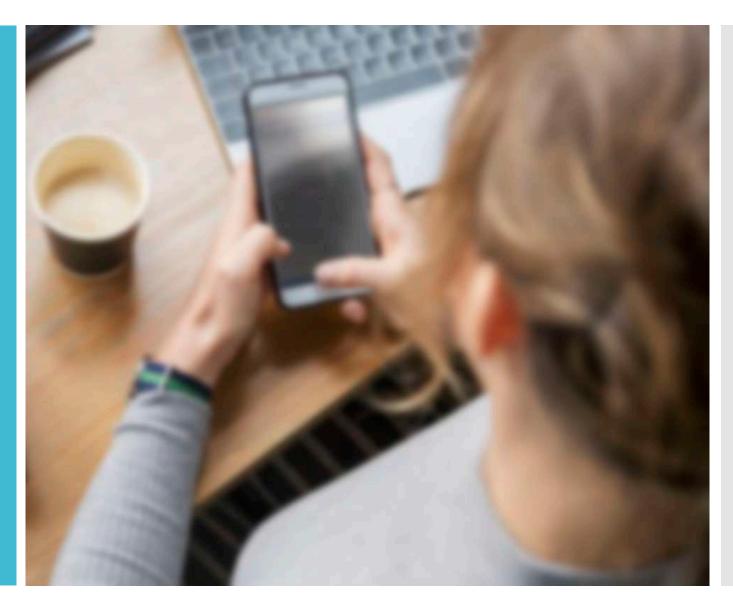
Sweden's national employment agency Arbetsförmedlingen will close more than half of its local job centres across the country, after politicians agreed to slash its funding.

Arbetsförmedlingen, or the Swedish Public Employment Service, announced on Monday it would close around 130 of its 242 local job centres currently operating across Sweden.

The move affects mainly small offices in rural areas, but also some medium-sized centres.

The news comes a month after the agency said it would lay off around 4,500 of its staff, as a result of cash cuts included in both the right-wing opposition budget passed by parliament last year, but also in the new government deal between the left and centre-liberal parties.

[The news comes a month after the agency said it would lay off around 4,500 of its staff]



The Public Employment Service's customer and channel strategy [...] means in practice that many of the tasks and services that are conducted and offered at the local employment offices must move to digital customer channels in the form of primarily digital self-service but also personal service via digital channel.

[The] purpose of the renewal session is to develop the business to become a modern and efficient authority that creates clear customer and social benefits

Swedish Public Employment Service 2019 and forward

- Politics: The mess after the election led to laying off 1/3 of the staff (4500 job brokers) but the IT budget increased to speed up the digital transformation
- Organisation: Digital first
- Technology choices: "New tech" vs "old tech" to best support Product teams to improve their applications
- Time: Deadline of most business critical apps entering new OnPrem data center by end of 2019

DevOps

One size fits all?







focuses on processes

highlighting change

while accelerating delivery

focuses on software-defined life cycles

highlighting tools

that emphasize automation

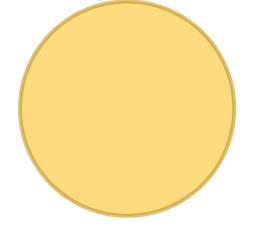
focuses on culture

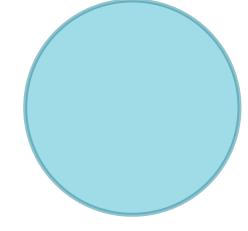
highlighting roles

that emphasize responsiveness

Dev and Ops Silos

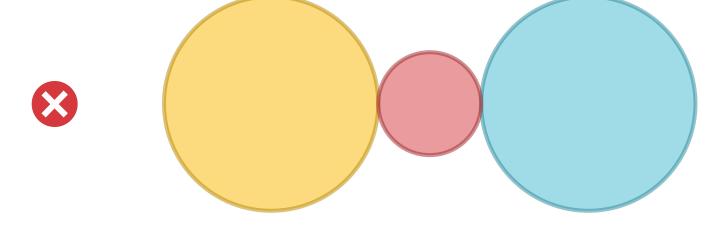






Dev

DevOps Team Silo

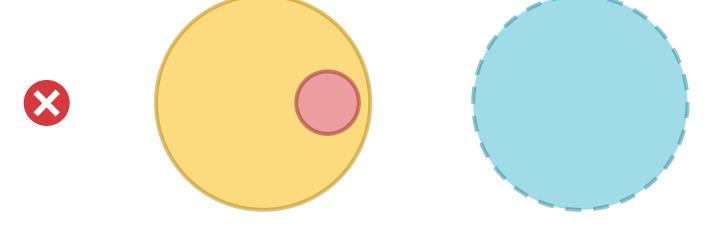




Dev

DevOps

Dev Don't Need Ops

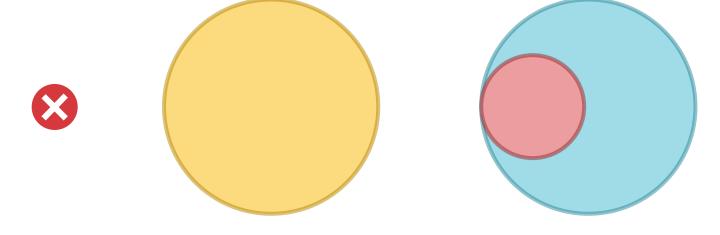




Dev

DevOps

Rebranded SysAdmin





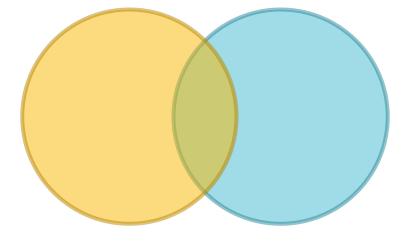






Dev and Ops Collaboration





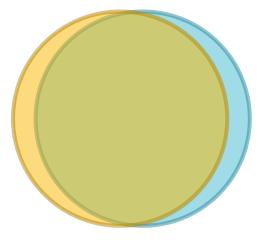






Fully Shared Ops Responsibilities



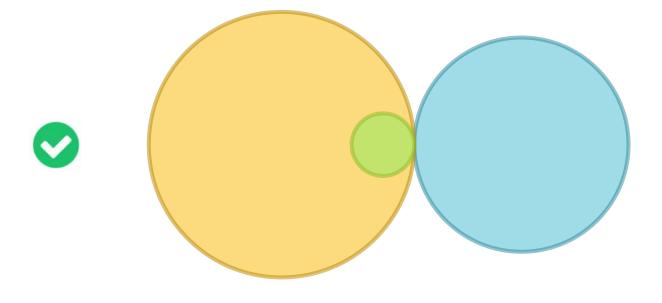








Ops as Infrastructureas-a-Service (Platform)

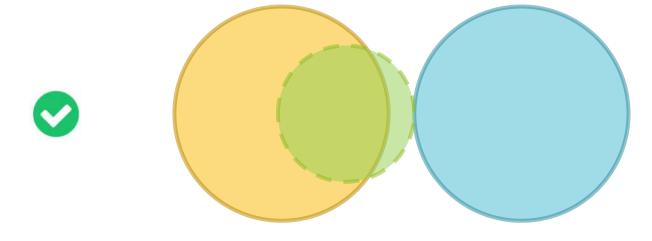




Dev

DevOps

Container-Driven Collaboration

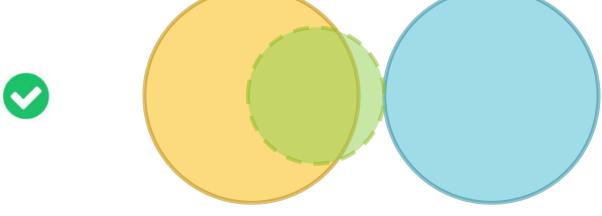




Dev

DevOps

Container-Driven Collaboration

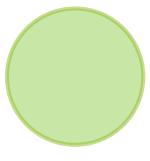


Containers remove the need for some kinds of collaboration between Dev and Ops by encapsulating the deployment and runtime requirements of an app into a container.

In this way, the container acts as a boundary on the responsibilities of both Dev and Ops.



CI/CD DevOps



The road to CI/CD DevOps

Or how to build a DevOps collaboration team

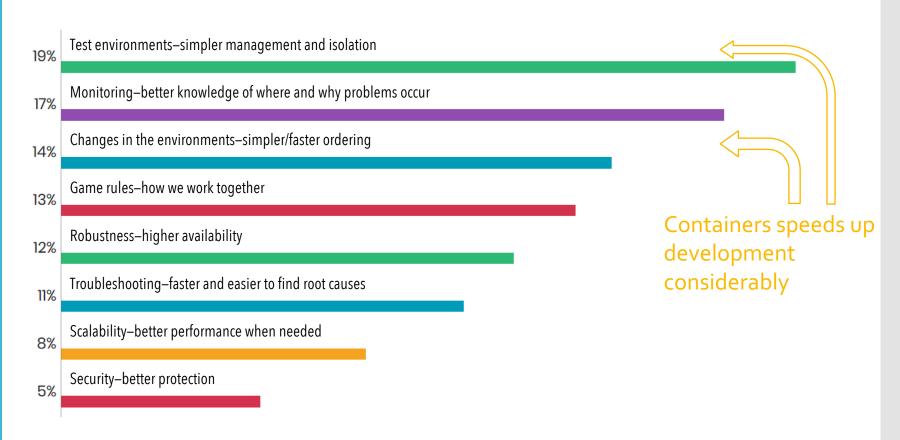
Do you recognize this?



- "they can come to us"
- "we need to get [all of this] done first"
- "you'll need a server for that, have you ordered one?"
- "we need to understand each team's system to decide for them"



"In which area do you have the greatest need for change?"



Results from an internal questionnaire, Feb 2018



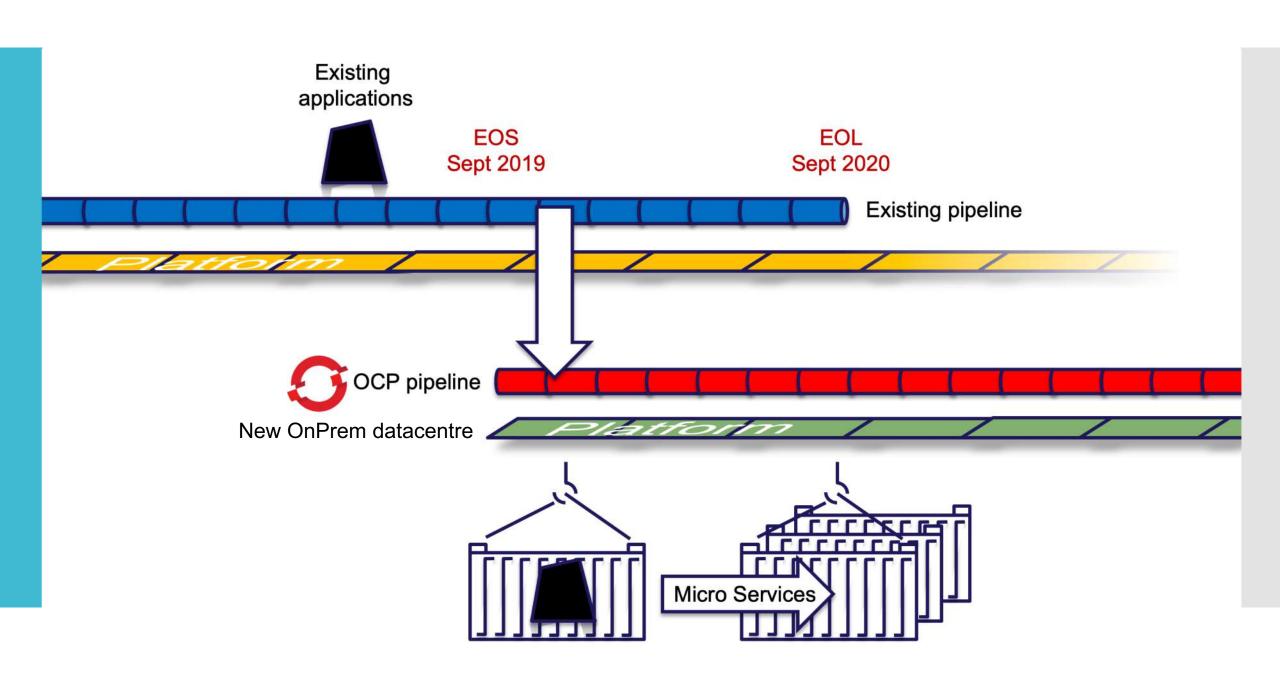




CI/CD DevOps

[We can't move forward because of legacy we need to maintain]

I can fix that



NOV

MAR

CAP 1

Minimum Viable Product



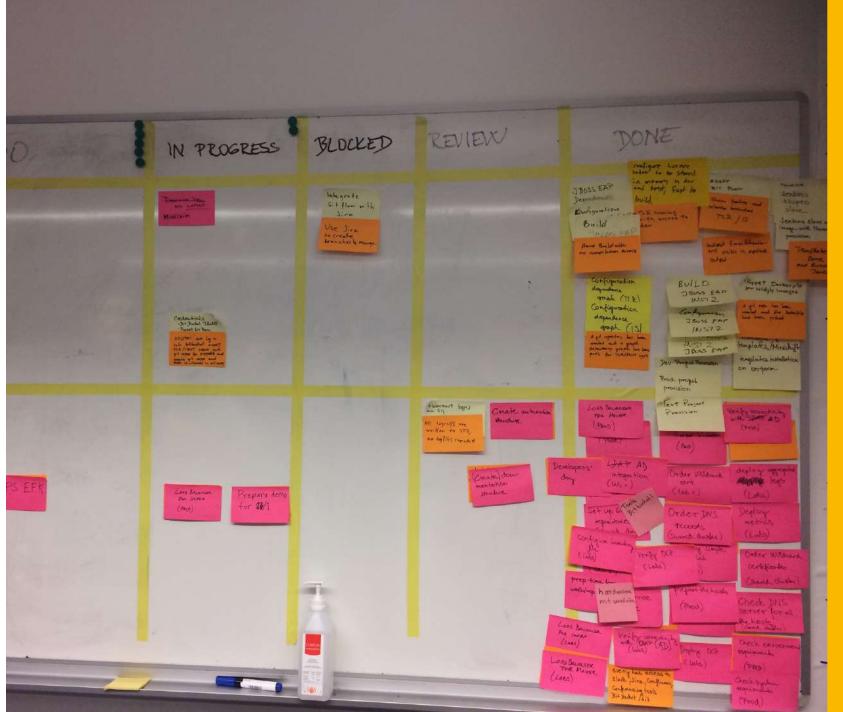
BREAKING SILOS



KNOWLEDGE SHARING







INFORMATION RADIATORS



ONE TEAM



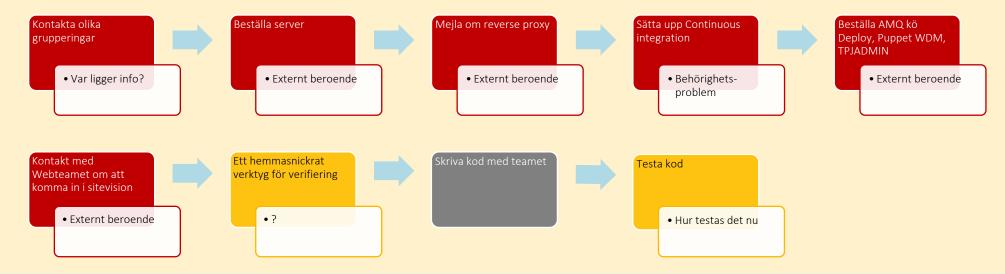


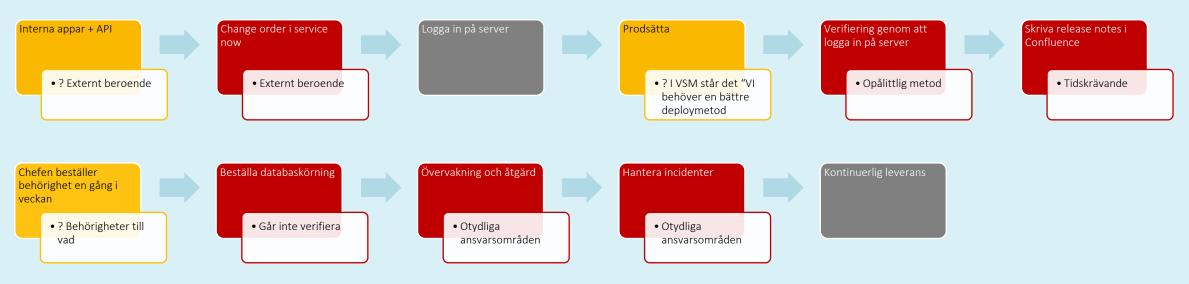




RETROSPECTIVES A CONTINUOUS IMPROVEMENT CULTURE

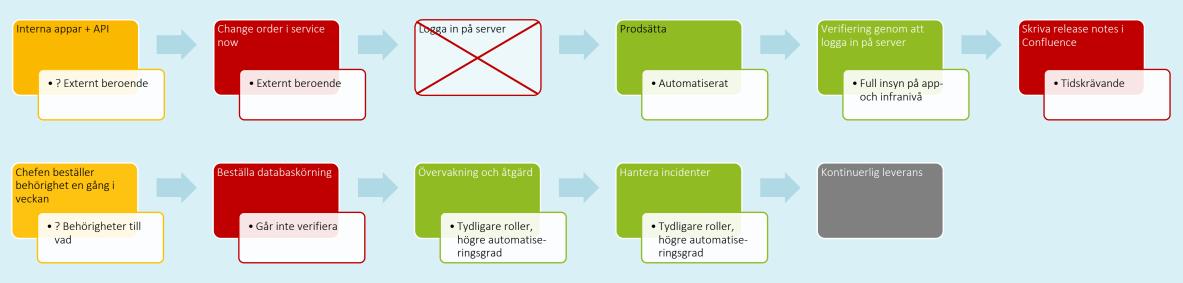
Dev





Dev



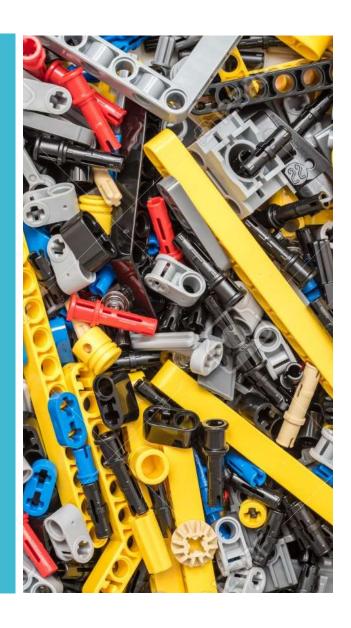


MAY OCT

CAP 1

CAP 2

Going Full Scale



Setting up the clusters needed for our teams and customers
Preparing the team for more agile workflows
Building the common pipelines
Developing our DevOps skills
Training the team on the platform
Developing common containers
Spreading the word
Helping teams define how ready they are and building a queue
Verifying security





Success factors





Fundamentally changes the way people work

You will find out you don't really understand the way your pipeline works

Understanding DevOps is really harder than doing DevOps

It's the right thing to do because it hurts

The new container platform—1: 1

- Container is the new standard for modern application development.
- The Public Employment Service's own application platform based on container technology in Red Hat's OpenShift Container Platform (OCP), is the offered path for proprietary products into the agency's new OnPrem data center.

The new container platform—advantages

- The container platform means that ownership and responsibility of infrastructure becomes a non-issue for the application owner, as the container absorbs the infrastructure as a service, which is distributed by the CI/CD & DevOps team.
- The container platform offers a higher level of reliability than other unsupported container technologies (either in the audience cloud or Do It Yourself technologies without support).
- Service window for the entire application is a mere memory: the simplicity of replacing a container with another means a high degree of self-healing.
- The container platform is based on the open source technology "OpenShift Container Platform (OCP)", and the provider Red Hat provides technical support, patches and upgrades of all components herein (including "application runtimes" used within the organization), regardless of whether the application is in the new OnPrem datacentre or in a future public cloud.

VSING OPEN

TO BECOME A BETTER BUSINESS PARTNER

CHALLENGE YOUR CUSTOMER BY ASKING:

- · WHAT ARE THE DRIVERS BEHIND YOUR KEY OBJECTIVES ?
- · ARE YOUR IT INITIATIVES HELPING YOU MEET YOUR KEY OBJECT IVES Z
- WOULD YOU SAY YOU HAVE AN
- -INNOVATIVE, CREATIVE IT ORGANISATION?
- -INNOVATIVE, CREATIVE IT PLATFORM?

Get involved with your customer! & JOINTLY CREATE:

STRATEGY MAPPING

- · STRATEGIC OBJECTIVES
- · DRIVERS
- · KEY OBJECTIVES
- · IT INITIATIVES

ROOM FOR IMPROVEMENT

ASK YOUR CUSTOMER ABOUT THEIR

IKEAM SCENARIO

- ORGANISATION
- TECHNOLOGY
- PROCESSES

EDLINE COMMON KEY OBJECTIVES:

- · HIGH PERFORMING OPERATIONS
- · EMPOWERED & ENGAGED PEOPLE
- · DIGITAL FIRST
- · BE THE OBVIOUS CHOICE
- · SERVICES & SUPPORT ARE CONNECTED

THE "DELTA" TODAY VS DREAM SLENARIO

- · WHAT YOU HAVE TECH PLATFORMS
- · HOW YOU WORK -> PROLESSES
- · HOW YOURE ORGANISED -> PEOPLE
- 15 THE ROOM FOR IM PROVEMENT - AND YOU NEED A PLAN TO IMPROVE

STARTS WITH

- · THE PRODUCT OWNERS "CALL THE SHOTS"
- . THE CHOICE OF TECHNOLOGIES:
- · LANGUAGES
- · FRAMEWORKS

15 NOT YOURS!

- SERVICE WINDOWS TO:
 - · REPAIR

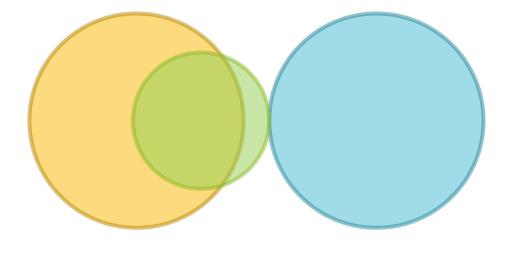
CAN'T DELIVER

THERE IS SOMETHING WRONG WITH: YOUR WAY OF SUPPORTING THEM

THE PLAN

- · CONSTANTLY EVALUATE THE DREAM SLEWARIO VS TODAY = ROOM FOR IMPROVENENT
- · 100% DEDICATION TO YOUR PRODUCT TEAMS -> THEY SERVE YOUR CUSTOMERS
- · IF YOUR SUPPLIERS/PARTNERS CAN'T EXPLAIN OR HAVE NO PLACE TO MAKE YOU IMPROVE STOP WORKING WITH THEM
- : YOUR EXISTING TECH PLATTURYS IF YOUR TECH PLATFORMS ARE "CLOSED" TODAY HELP YOU IMPROVE TOMORROW

CI/CD DevOps



CI/CD DevOps

