

**Arie van der Veek**

Oktober 2022

# Openshift @ Schiphol

Our journey searching for the optimal developer experience

# Agenda

**Vision on  
tech**

**Integration  
in business  
teams**

**Develop  
experience**

**Key Take-  
aways**

**Our  
Openshift  
journey**

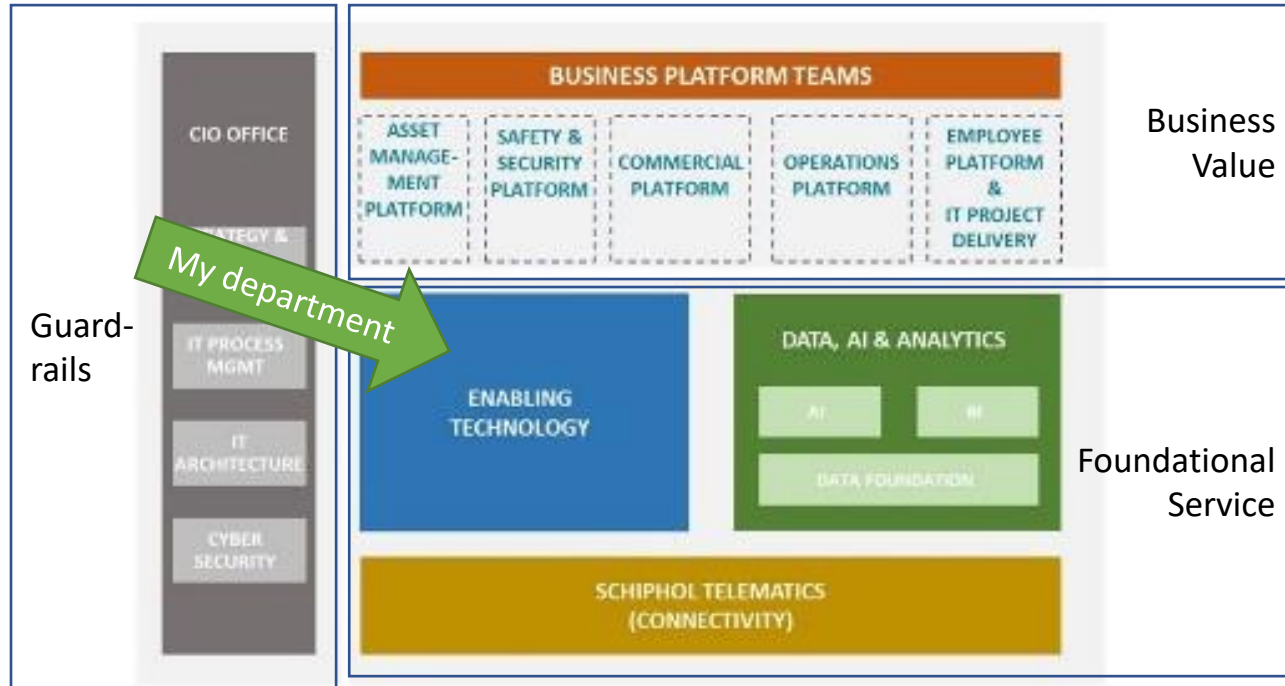
# Schiphol IT & Data Vision

An autonomous airport with quality in the human touch



IT & Data will be the beating heart of everything that we do at our airport

# Schiphol's tech organisation





## **Developer Experience**



# Developers build the autonomous airport



# DevX



Enable Architect | Articles About Get involved Portfolio Architecture

## Developer experience: an essential aspect of enterprise architecture

Considering the interfaces throughout an enterprise architecture will lead to broader adoption. Read this primer on how to develop a great experience.

Posted: November 18, 2020 | 11 min read | [Bob Reselman](#) (Red Hat), [Matthew Broberg](#) (Red Hat)



Why Cycloid? Solutions Features Pricing Open Source Resources Log in [Request a demo](#)

## When DevX is not another buzzword

Make hybrid cloud and infrastructure management accessible to your non-DevOps teams with a leading developer experience platform.

[Schedule a demo →](#)



## Creating State-of-the-art DevX

Let's be honest - developer experience (DevX) is a bit of a buzzword. Some define it as creating an environment where your devs can do their best work. But what does that mean in practice?

Here at Cycloid, we don't just talk about DevX - we unite all your non-DevOps teams (devs, managers, cloud architects, FinOps, SecOps) in a single developer experience platform that allows *everyone* to manage clouds, infrastructure and environments independently. Here's how.



[← Back to Tech: Forward](#)

## Why your IT organization should prioritize developer experience

Creating a better developer experience can lead to extensive benefits, but leaders must proceed in a comprehensive, coordinated fashion.



# What is DevX for me?



How I want stuff to work for me



Relative to what is possible



Having a pleasant experience

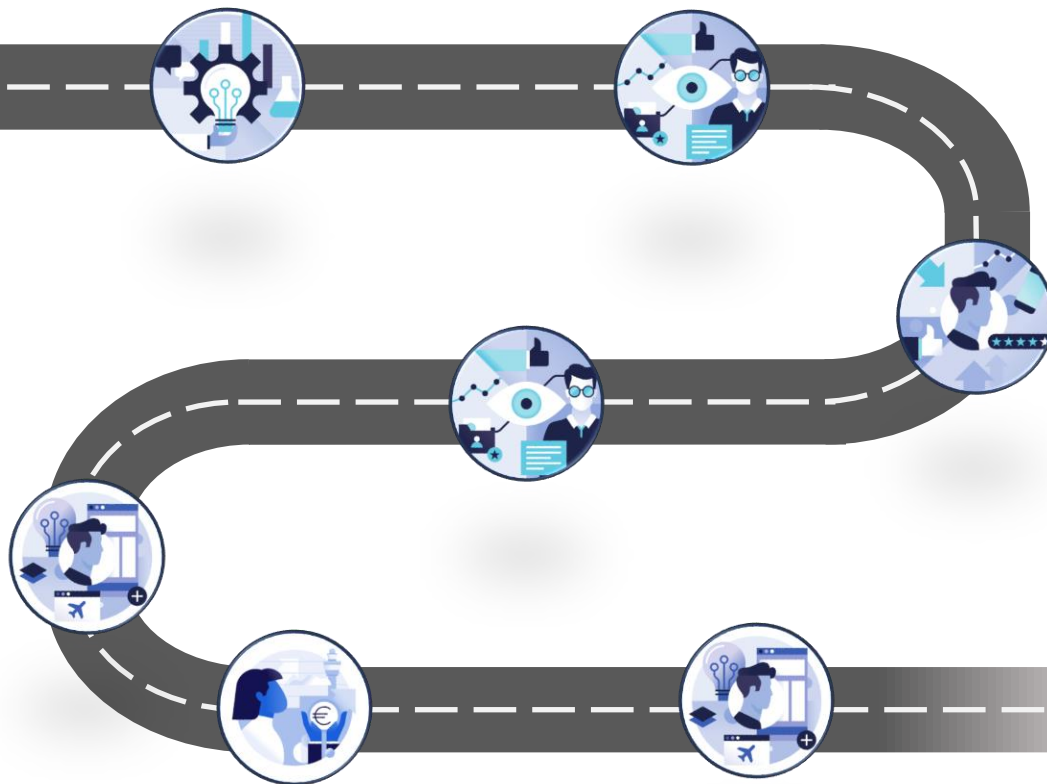




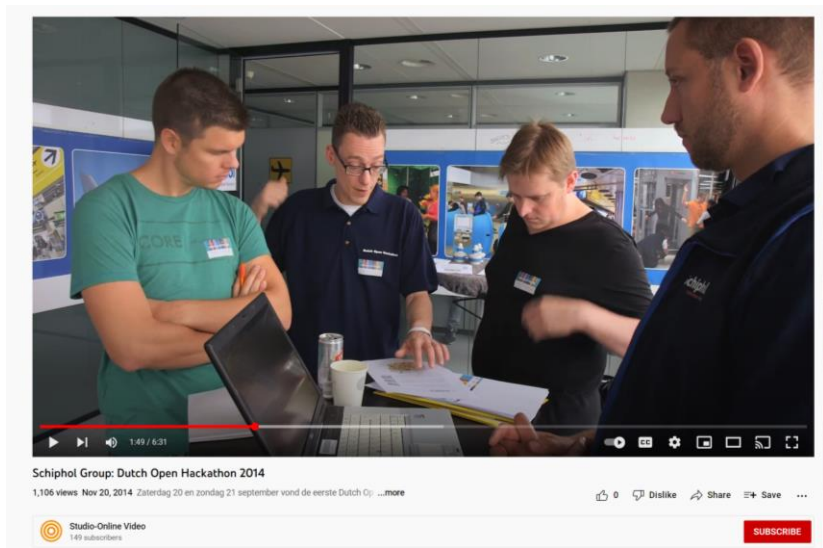
## **Openshift Journey** Elevating DevX



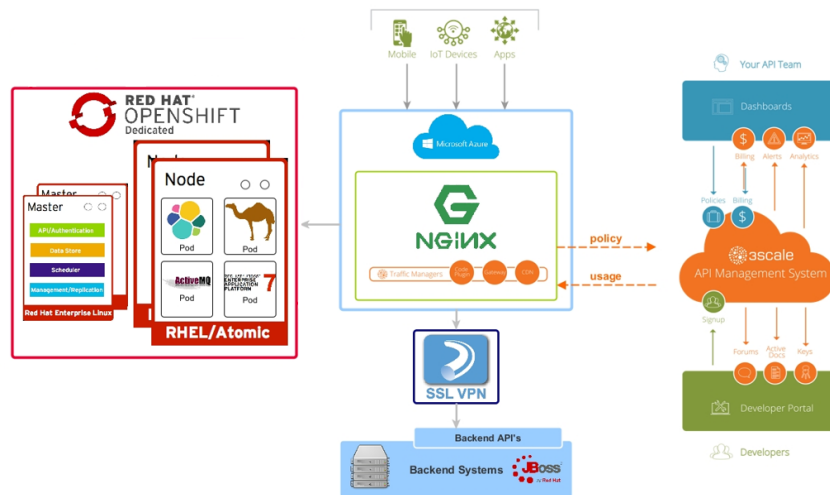
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Schiphol entered Dutch Open  
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# The first API, and then the platform



Swagger!?! Auto-Generate?!?  
API docs on paper!





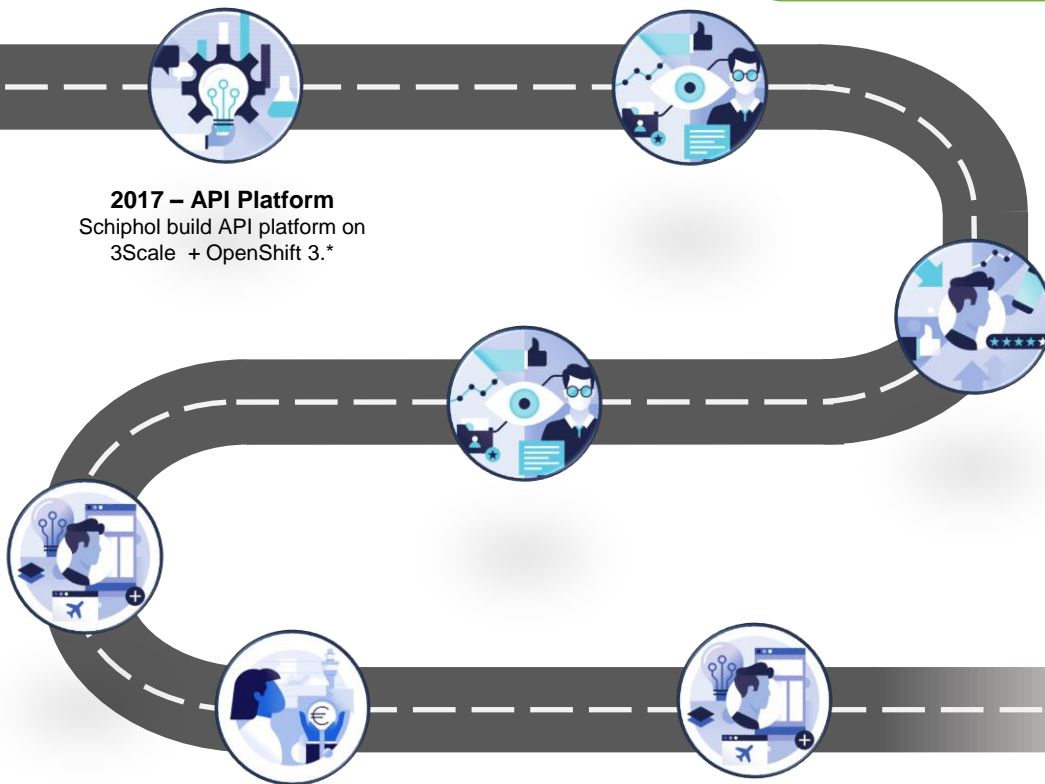
## DevX Improvement

- + Easy consumption of API's
- + Easy container management

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## DevX dissatisfier

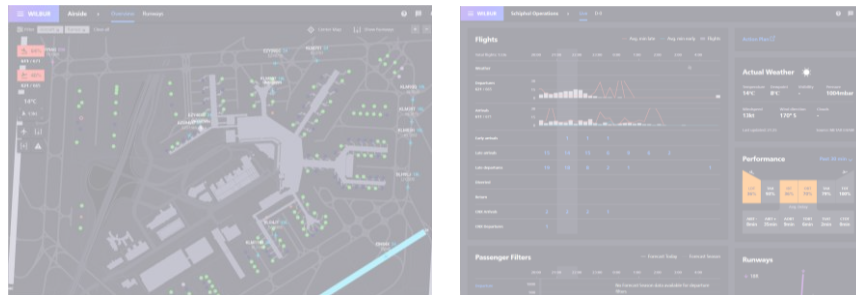
- No freedom
- API centric setup



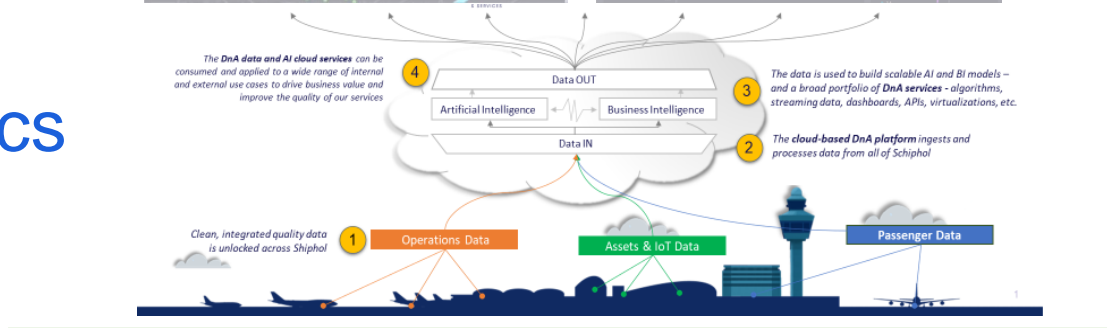


# Two dedicated clusters

Wilbur



## Data & Analytics Platform




**RED HAT®**  
**OPENS SHIFT**  
Container Platform



**Azure**





### DevX Improvement

- + Freedom
- + Speed and cloud native app dev

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Wilbur Application is built on the first dedicated OpenShift cluster in public cloud

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**DevX dissatisfier**

- Long ramp-up
- Hassle with CyberSec



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**2021 – Standardized building blocks**  
Standard building block (base images) in place, such as AMQ, NodeJS and Java





**DevX Improvement**  
+ Image compliance  
+ quick start

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### DevX dissatisfier

- CI/CD maintenance
- Pipeline CyberSec

# CI / CD building block



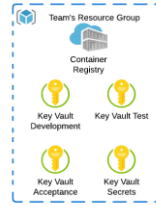
Dependency scanning



Container Scanning scanning



RBAC



Secrets



Namespace Service Account  
Service Connections

Private Container registry  
Pull secrets



OPENSIFT



## DevX Improvement

- + Secure Pipeline
- + CI/CD delivered a Product

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## DevX dissatisfier

- No resource sharing
- Maintenance hard





**DevX Improvement**  
+ Platform as a Product  
+ Feature pace increases



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**2022 Q2 – One cluster to rule them all**  
One cluster for all scalable workload deployed in public cloud and suited for full multi tenancy

**2022 Q4 – On Premise OneCluster**  
One multi tenant cluster for all predictable workloads that need to remain on premise





# The next step

## Integration in business teams



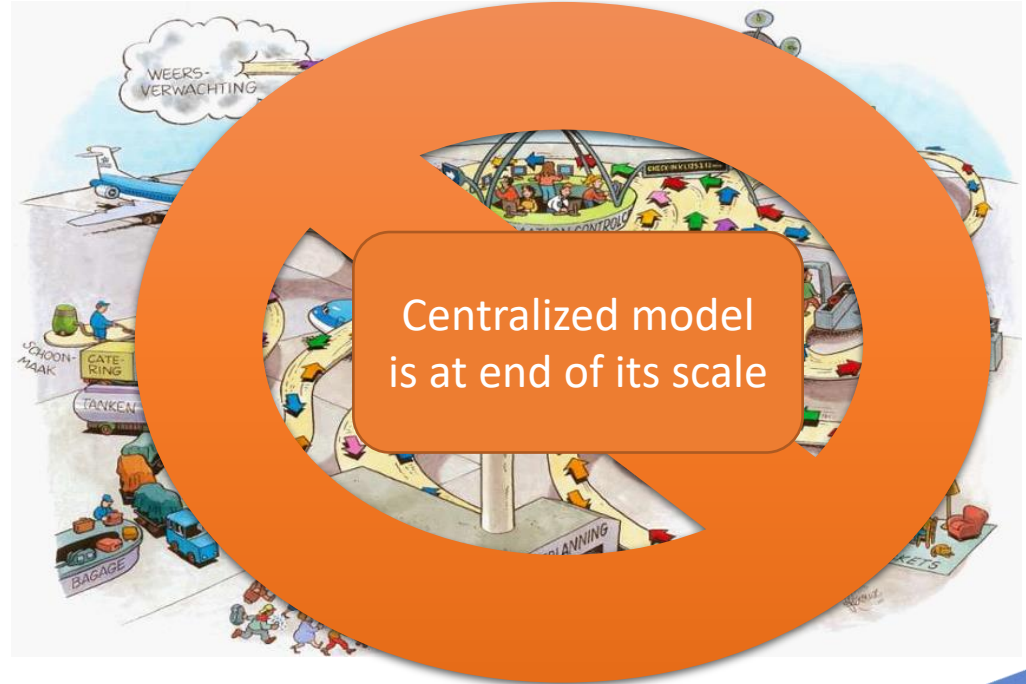
# Integration

No sector information exchange

=

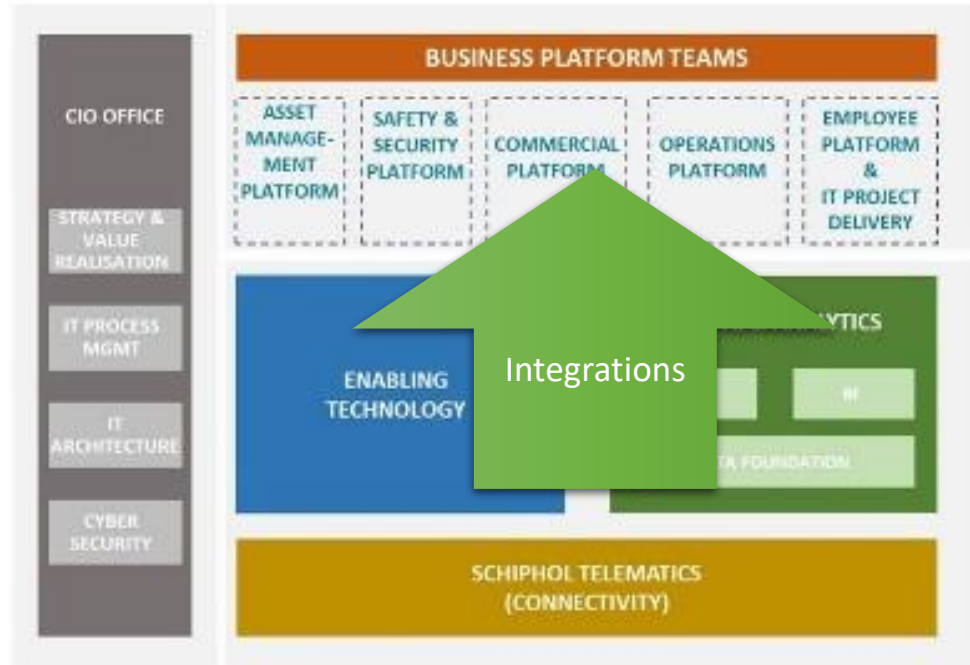
No Autonomous Airport

500+ integrations

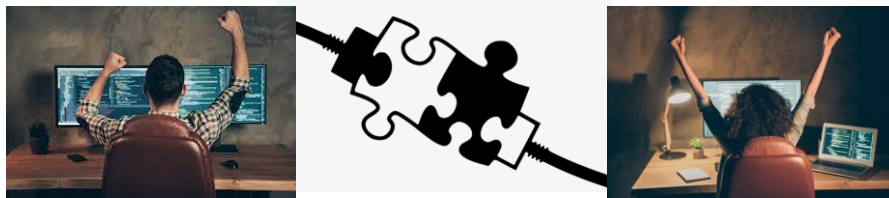


# Strategic movement

Enable business to build integrations themselves



# Integration Platform as Product



Unified Developer  
Experience



**Red Hat**  
Integration



Base Images + Libs



Azure DevOps



**RED HAT®**  
**OPENSIFT**  
Container Platform



**Red Hat**  
Enterprise Linux  
CoreOS



# Key Take-aways

- Treat a platform as a product
- It's a journey, deliver value in steps
- Tech changes rapidly, and solves problems before you can
- Its hard work, but oh so fun!



# Thank you!

