



Setting up and using the Red Hat OpenShift Container Platform.

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Introduction





UZ Leuven & nexuzhealth





UZ Leuven

1,955 9,000+ **5 iii** 165 **Centralized IT**

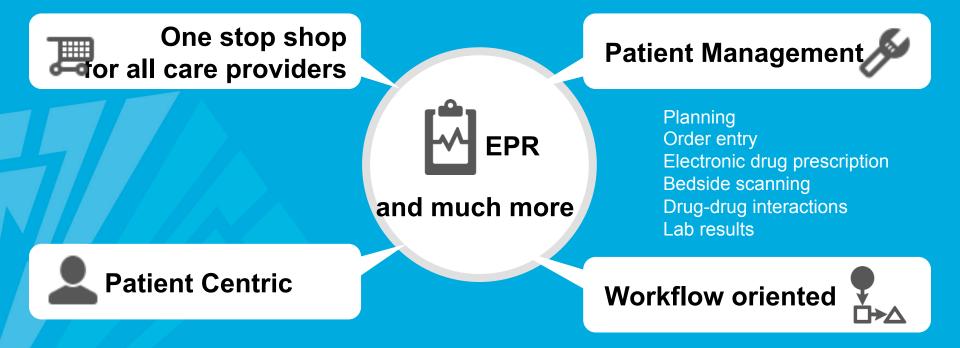
large hospital in Belgium







Clinical Work Station (KWS)







nexuzhealth

20 (18 prod)













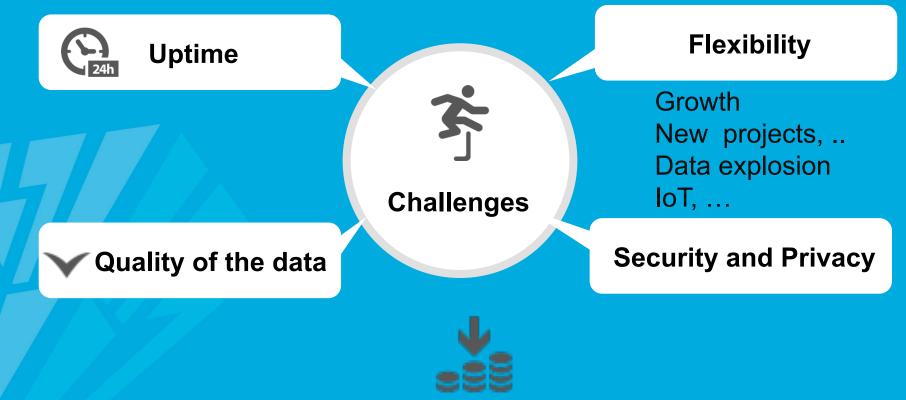
nexuzhealth service points







Challenges





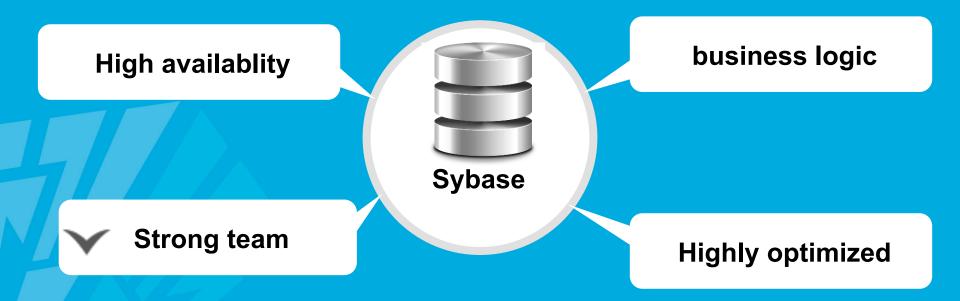


Where do we come from



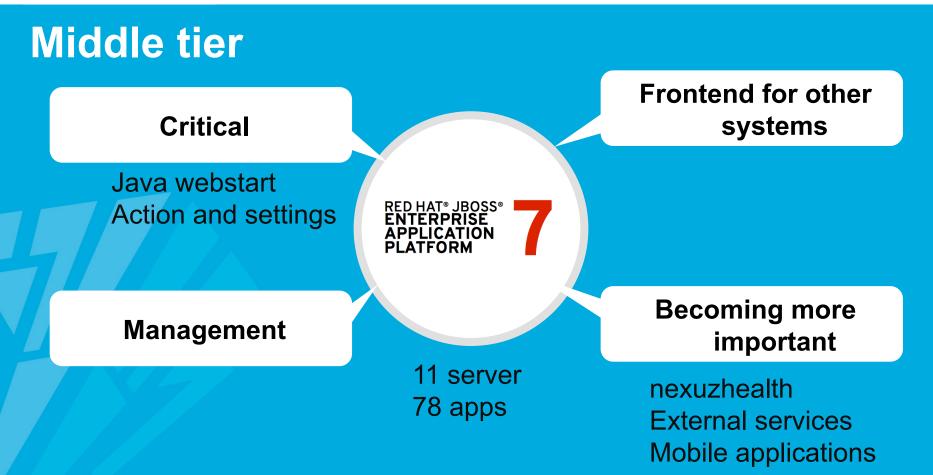


Database













First Steps





The Team

Developer





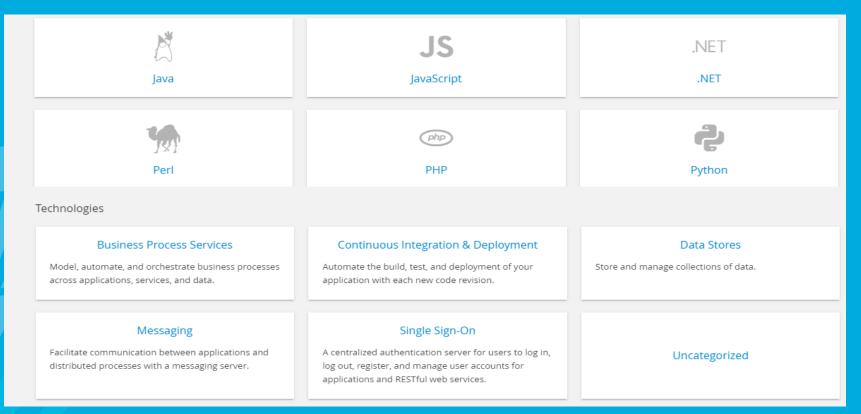
JBoss admin

Network storage specialist





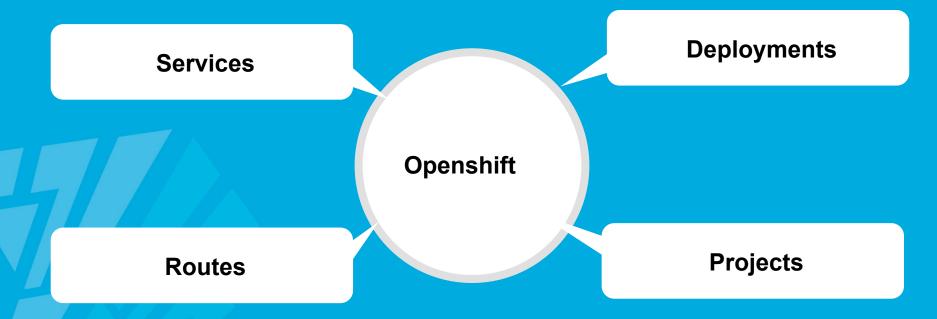
Application catalog







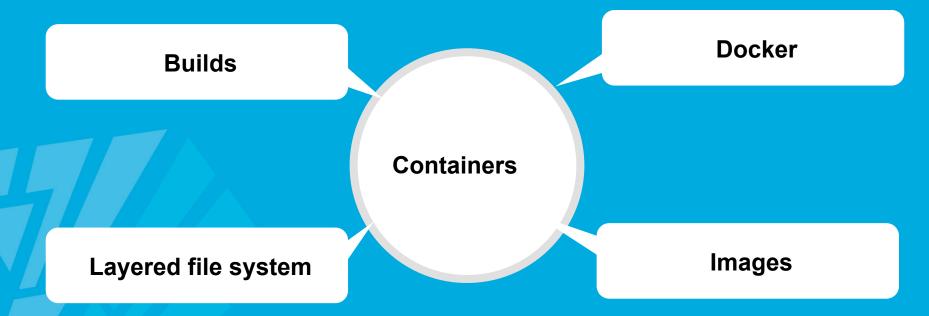
Learning about openshift







Learning about containers







Setting up the production cluster





Production cluster

Deployment options
Subscription model
Installation
Impact on Development





CloudNativeCon pushed us to the limit





Cloud Native Computing Foundation

Mission

 drive the adoption of a new computing paradigm that is optimized for modern distributed systems environments

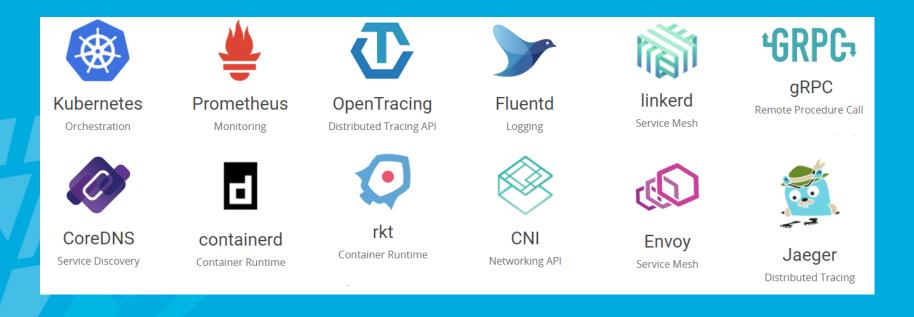
Role

Fostering the growth and evolution of the ecosystem





Cloud Native Computing Foundation







CloudNativeCon

Kubernetes
Ecosystem of tools
A lot of traction





Then the dark times came





Problems

Container to container communication
Healthchecks

Resultfailing applicationsBootloops





Tackling the problemsSupport caseEscalation engineer

Getting it fixedKubernetes CoreOpenshift network plugins





Putting it all together





Building confidence

- Stabilize the cluster
- Integrate in our environment
- Expand the team





Enjoying the benefits

- Applications in production
 More environments
 Greater level of control
- Greater level of control





Greater level of control

Deployment	Status	Created	Trigger
#67 (latest)	€ Active, 2 replicas	5 days ago	Image change
#66	✓ Complete	6 days ago	Config change
#65	✓ Complete	6 days ago	Image change
#64	✓ Complete	7 days ago	Manual





Looking beyond





Things to do

Setting up multiple clusters
Interface for development
Metrics and monitoring





Is this the end?