



Amsterdam Jenkins Area Meetup - JAMsterdam

AGENDA

17.00 - 17.30 - Doors open

17.30 - 18.30 - Pizza's

18.30 - 18.45 - Short intro MeetUp group / Welcome

18.45 - 19.30 - Session 1: Allan Selvan

19.30 - 19.45 - Break

19.45 - 20.45 - Session 2: Cojan van Ballegooijen

20.45 - 21.30 - Drinks & networking





History – ABN AMRO TechX



ABN AMRO Innovation Circle started in December 2018 with the first Meetup with Java Champion Nicolai Parlog

Our goal, share once a month knowledge in a MeetUp





History – ABN AMRO TechX







Patrick Deepa

Eddy

Gloria Varvara

Your hosts for tonight





Coming Events – ABN AMRO TechX



XX AUGUST

Speaker: Roy Wasse – OpenValue

Topic: Blockchain



02 SEPTEMBER

Speaker: Joris Kuipers – CTO TriFork Topic: SpringBoot, the do's and dont's



15 OCTOBER

Speaker: Thiago de Fario – LinkIT

Topic: DevOps





WE ARE HIRING !!!!

Full Stack Developer - Data

Amsterdam, Noord-Holland, Netherlands 🛅 Plaatsingsdatum: 02-07-2019

At a glance Do you want to bring banking as we know it to the next level and be part of the biggest digital revolution in history? Do you have a strong understanding of Data and its quality ...

Bekijk deze vacature >

Integration Platform SRE

Amsterdam, Noord-Holland, Nederland 🛅 Plaatsingsdatum: 01-07-2019

Jouw baan Als Site Reliability Engineer werk je samen met andere developers in een scrum team aan een 24x7 stabiele- en betrouwbare API-infrastructuur. De platformen beschikbaar houden voor onze ...

Bekijk deze vacature >

API Support Manager

Amsterdam, Noord-Holland, Nederland 🛅 Plaatsingsdatum: 01-07-2019

Als Support manager, ben jij verantwoordelijk voor het analyseren, ontwikkelen, neerzetten en onderhouden van de support processen rond om API's binnen onze organisatie. Dit zijn zowel onz...

Check our website at

https://www.abnamro.com/nl/carriere/vacatures









TechX (AAB) and Jenkins Area Meetup (JAM)

Allan Tony Selvan

About me



Allan Tony Selvan
Senior IT Development Engineer

ABN Amro Bank

Financial sector

Enterprising bank

20,000

Total number of employees

Amsterdam

Headquarter

400+

Agile Team

Agile Organization

2,000+

Applications



The SOLO Team



SOLO – Software logistics

Agile Team: 6 Developers

Responsible for:

















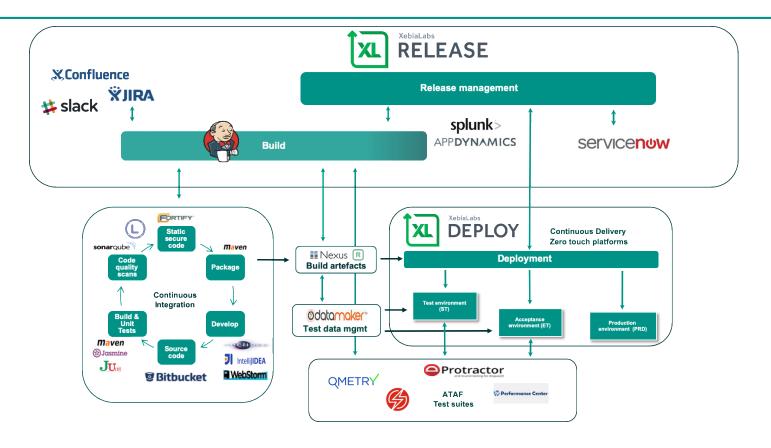




Maintenance, Availability and Support



CICD Landscape at AAB



Our Journey with Jenkins - Begins!

2015

Cloudbees Jenkins Platform 1 OpsCenter 2 Master 12 Slaves

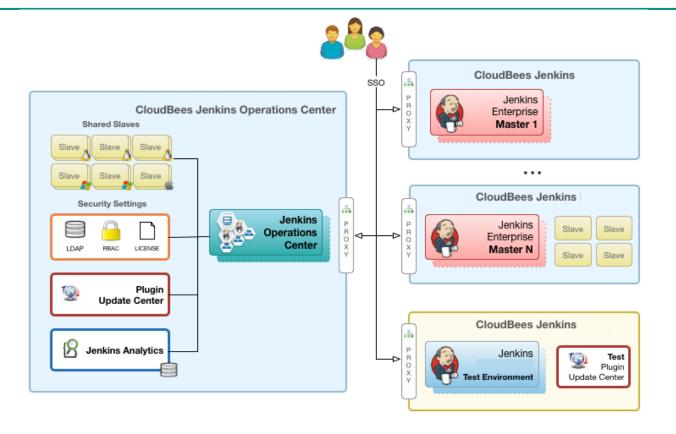




Cloudbees Jenkins Platform 1 Master 7 Slaves



Cloudbees Jenkins Platform





Our Journey with Jenkins – Continues

2015 Cloudbees Jenkins Platform

1 OpsCenter 2 Master 12 Slaves



2014

Cloudbees Jenkins Platform 1 Master 7 Slaves



2016

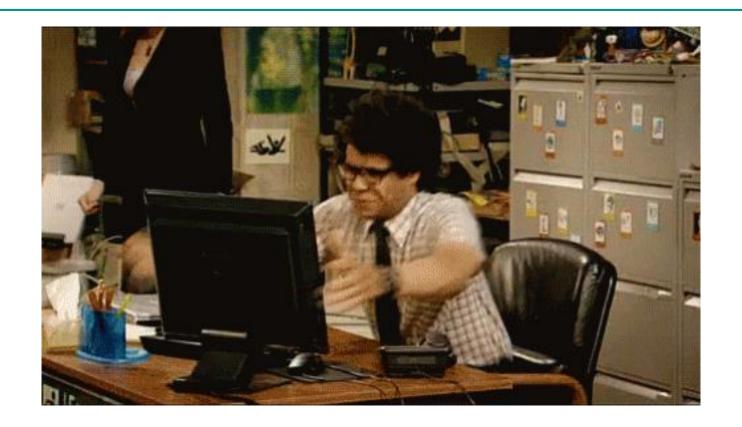
Cloudbees Jenkins Platform 1 OpsCenter 4 Master 32 Slaves

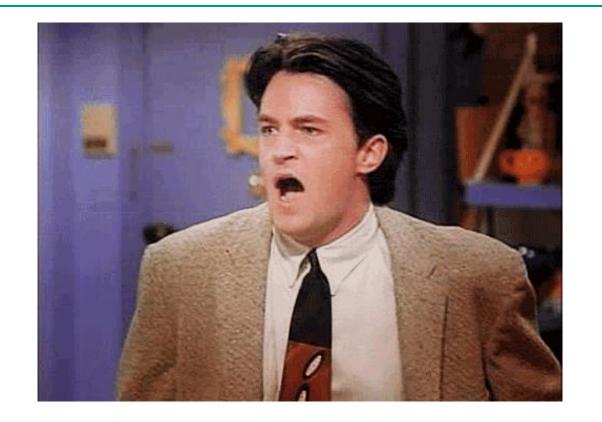


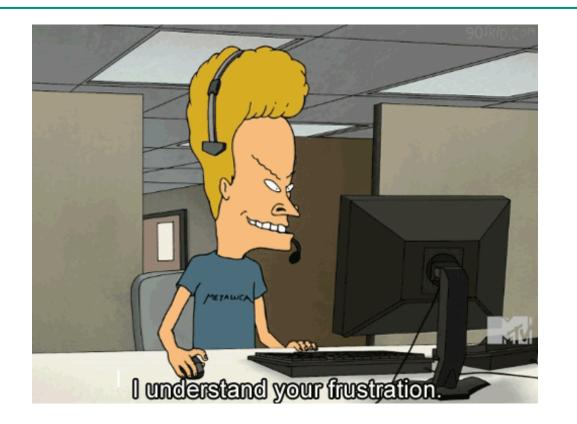


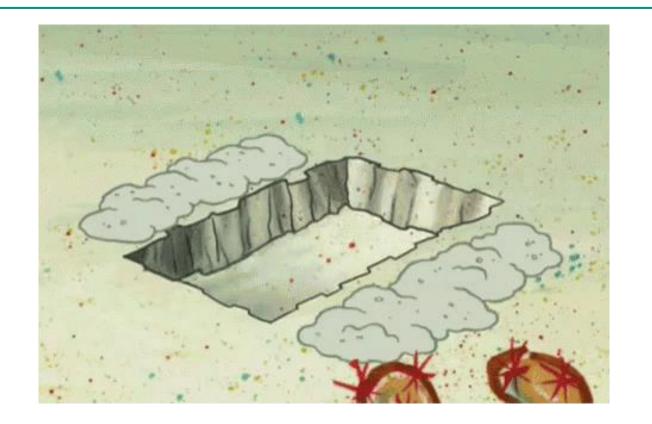








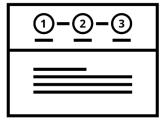






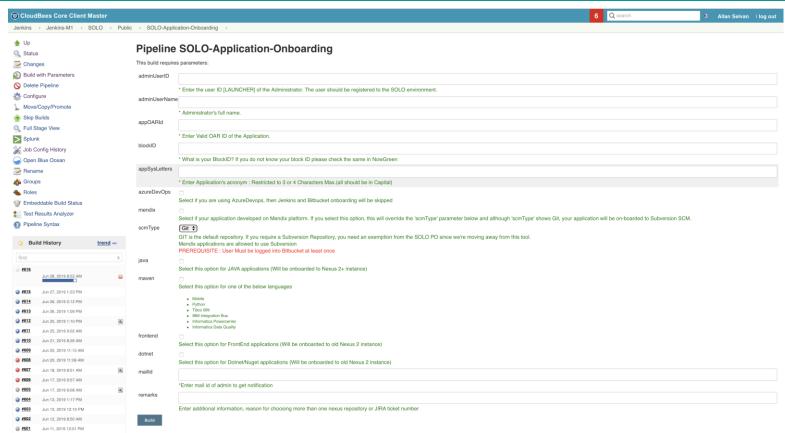
Our Plan - In Action





Application Onboarding Process

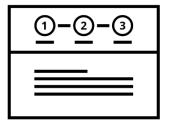
Application Onboarding process



ABN·AMRO

Our Plan - In Action





Application Onboarding Process

Standard Pipelines

A Standard Pipeline for Most of the languages used in AAB

















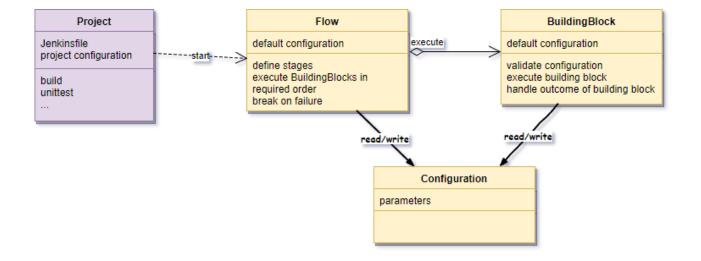




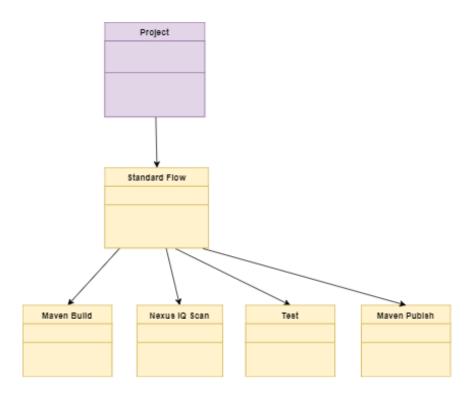




Standard pipelines at AAB

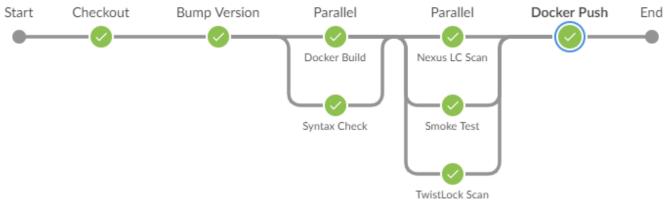


Standard Flows



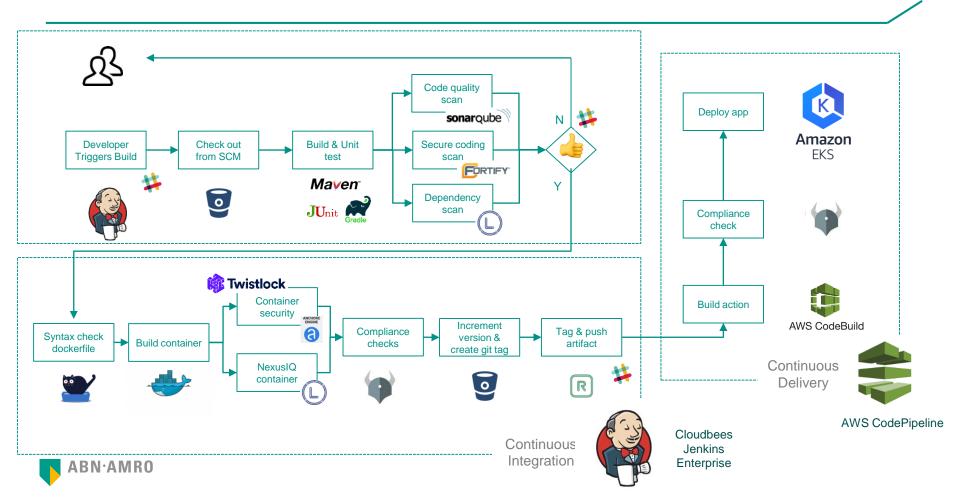


Docker Image Pipeline



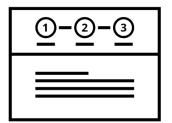
```
@Library(['stpl-docker-image', 'stpl-buildingblocks'])
def projectConfig = [dockerImageName
                                                         : 'aab-build-maven',
                                                          : '3.6.0-jdk-8, 3.6-jdk-8, 3-jdk-8',
                     dockerImageTags
                     dockerSmokeTestCommandGiven
                                                          : 'mvn -version',
                     dockerSmokeTestCommandOutputExpected: 'Apache Maven 3.6.0',
                     applicationBaseVersion
                                                         : 'v1.16',
                                                          : 'AAB provided image for executing maven
                     applicationDescription
commands',
                     nexusLCDockerApplicationId
                                                          : 'SPEX spex.spex-docker-image'
dockerImageSTPL(projectConfig)
```

Standard Pipeline Dockerized

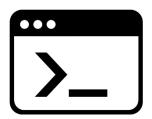


Our Plan - In Action





Application Onboarding Process

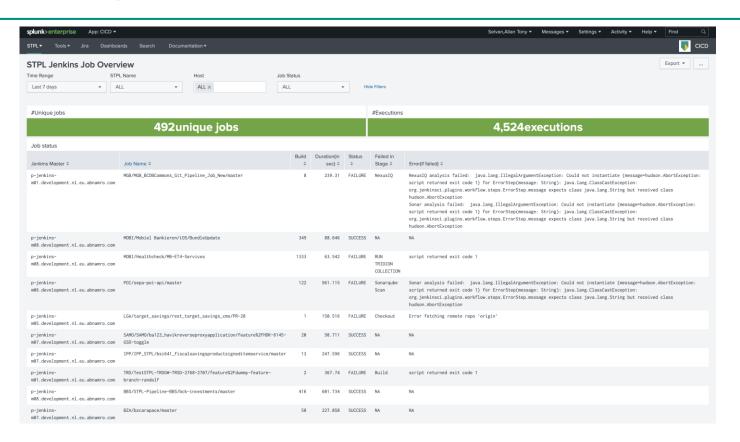


Inhouse Jenkins CLI



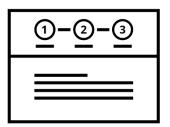
Standard Pipelines

Splunk for Analytics



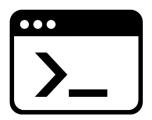
Our Plan - In Action





APP DYNAMICS

Application Onboarding Process



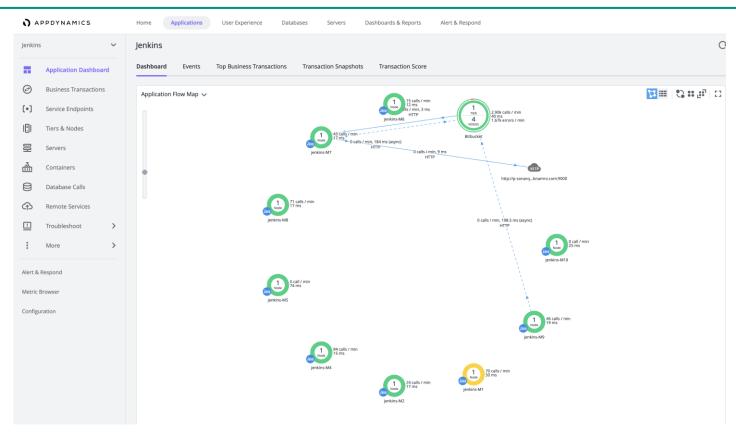
Inhouse Jenkins CLI



Standard Pipelines

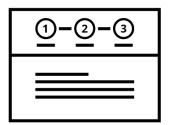


Appdynamics for Monitoring Jenkins



Our Plan - In Action

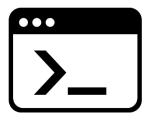




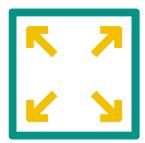
APP**DYNAMICS**

1000+ Applications

Application Onboarding Process



Inhouse Jenkins CLI



10 Masters x2 Build Capacity

Standard Pipelines







Our Journey with Jenkins – Continues





Required Change to scale further

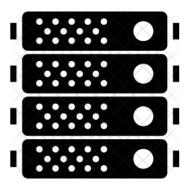
From

- Fully Centralized Maintenance
- Manual Scaling
- Conflict in Tools and Configuration
- Limited Team Autonomy



To

- Decentralized Maintenance
- Automated Scaling
- Reduced Conflicts in Tools and Configuration
- Increased Team Autonomy

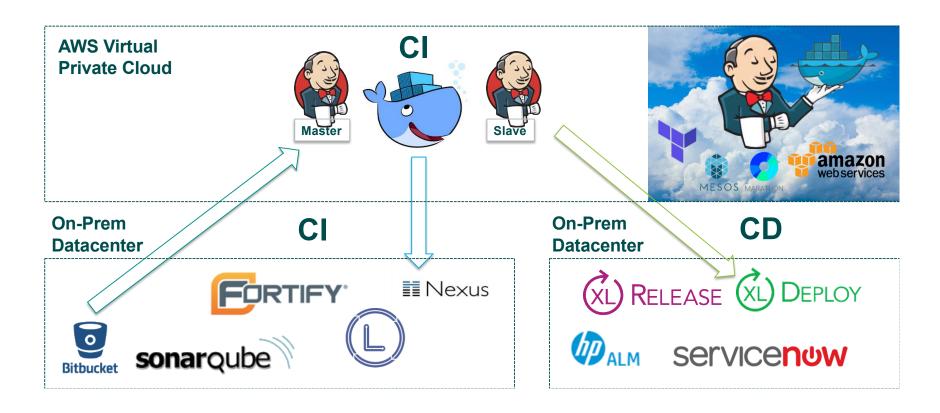


Static VMs



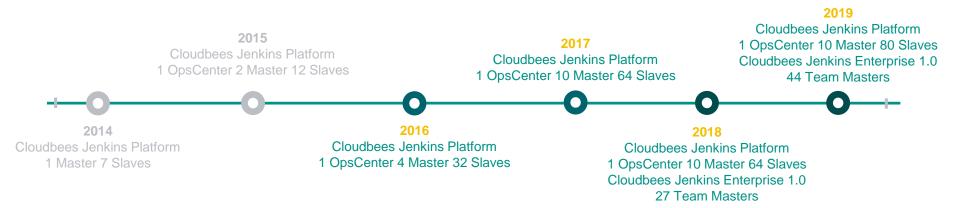
Docker Containers

Cloudbees Jenkins Enterprise 1.0





Our Journey with Jenkins – Timeline





Cloudbees DevOps Scalability Achievement

DevOps Scalability Achievement Award - Presented to the organization demonstrating the most outstanding highly-scaled continuous delivery and DevOps implementation across a team or organization with the use of CloudBees solutions, including generation of quantifiable business value.

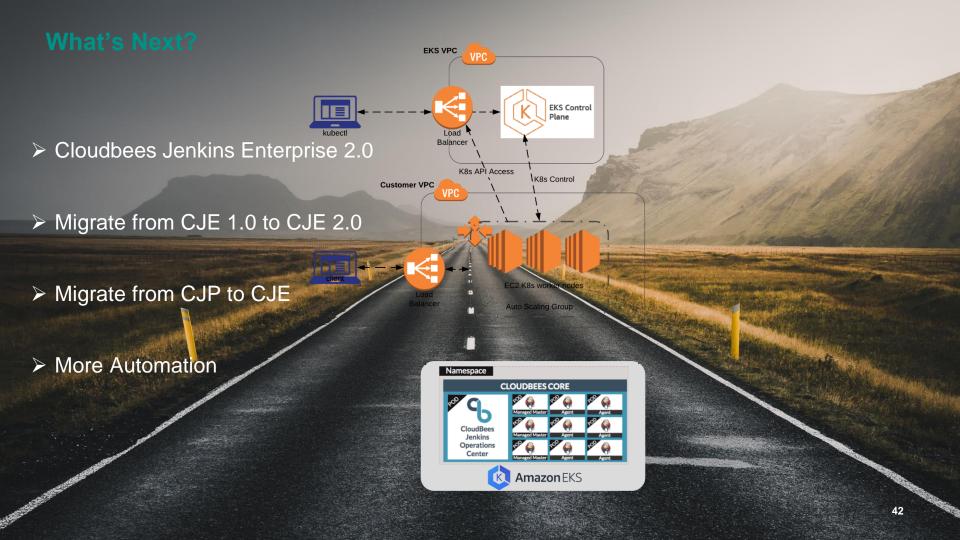
Winner: ABN AMRO





Celebration of Winning the Award ©





Learnings





Thank you!

Session 2 – Cojan van Ballegooijen [CloudBees]



More and more teams are deploying cloud native applications on Kubernetes, placing new demands on engineers who want to deploy and test easily during their development workflow.

In this talk we'll explain the CI/CD challenges in a cloud native landscape, and show how Jenkins X rises to them by leveraging open source cloud native technologies.

We'll demo a GitOps based Jenkins X workflow, showing how simple Jenkins X makes it for developers to stage and deploy changes on demand.



LET'S HAVE A











Free Drinks



