



JENKINS CI USER EVENT CPH 2014

COPENHAGEN

August 22nd 2014

WHAT IS YOUR NEXT STEP IN CONTINUOUS DELIVERY?

Adriaan de Jonge

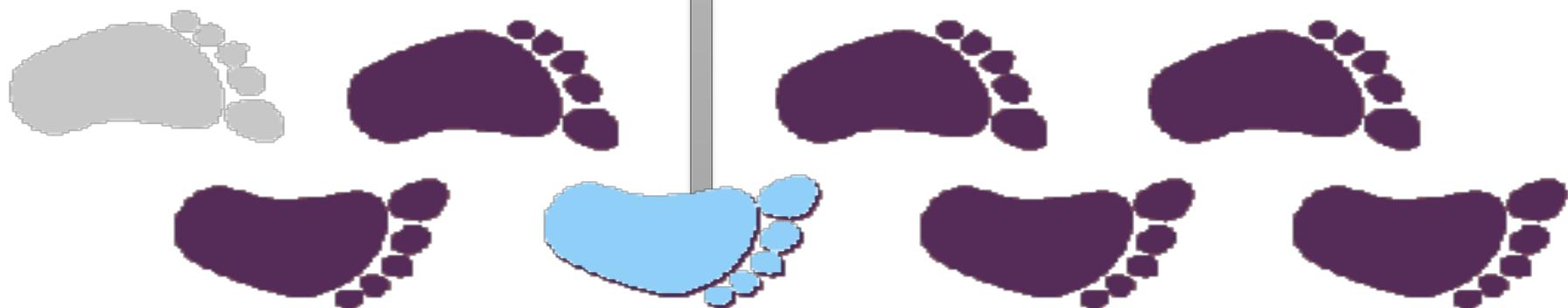
STEP 1: VERSION CONTROL



STEP 2: WORK IN RELEASES



STEP 3: SCRIPTS



STEP 4: CONTINUOUS DELIVERY



STEP 5: CONTINUOUS DEPLOYMENT



STEP 6: “HANDS OFF”



STEP 7: HIGH SCALABILITY



STEP 0



STEP 1: VERSION CONTROL



STEP 2: WORK IN RELEASES



DEVELOPMENT

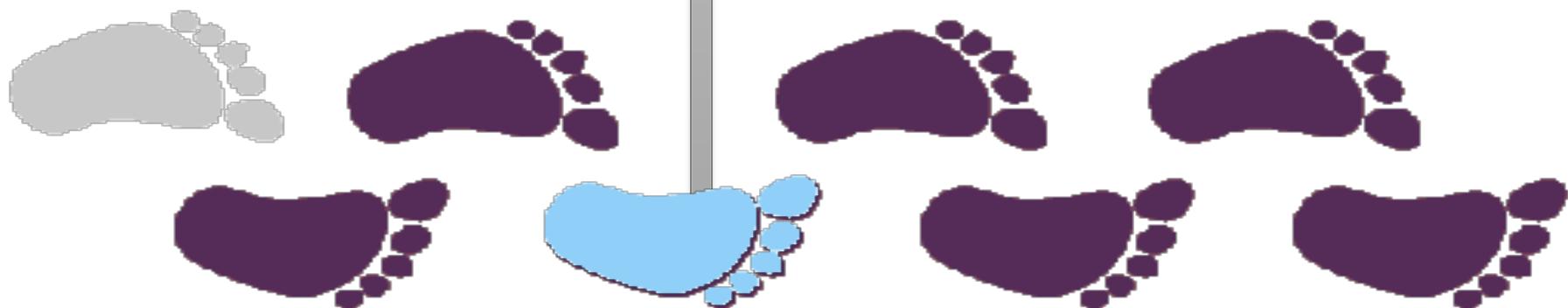
TEST

DTAP

ACCEPTANCE

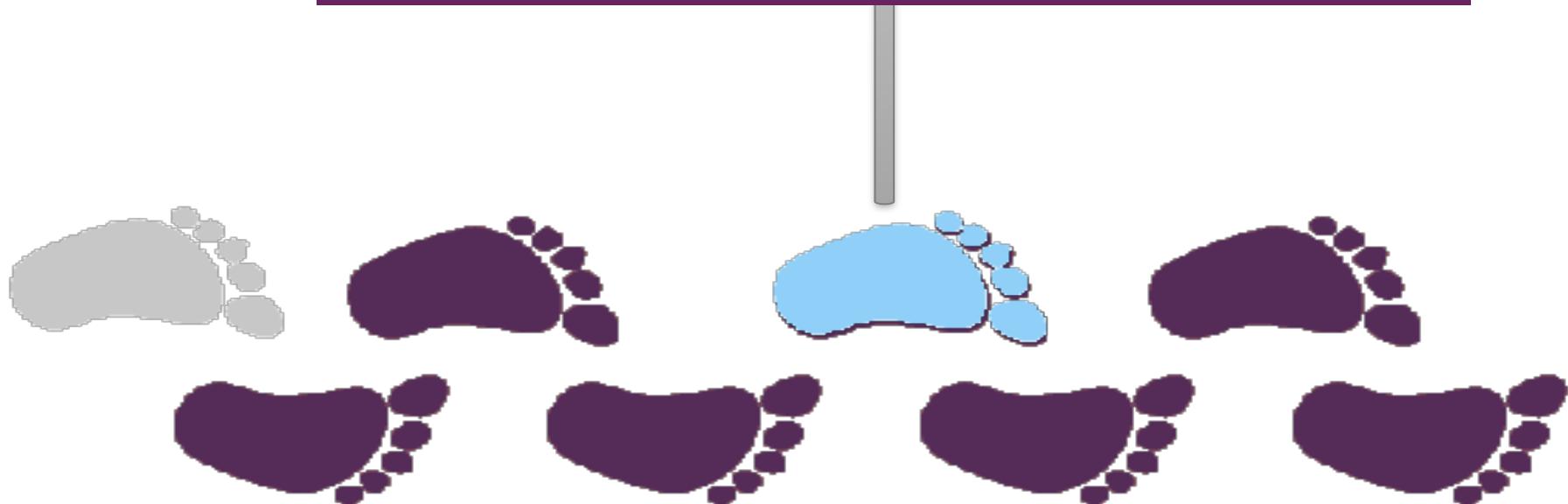
PRODUCTION

STEP 3: SCRIPTS





STEP 4: CONTINUOUS DELIVERY



CONTINUOUS INTEGRATION



SOFTWARE DEVELOPMENT **D O N E R I G H T**



AUTOMATED PROVISIONING



SOFTWARE DEVELOPMENT **DONE RIGHT**



DEPLOYMENT AUTOMATION



SOFTWARE DEVELOPMENT **DONE RIGHT**

THIS MOTION PICTURE HAS BEEN RATED

PG-13

PARENTS STRONGLY CAUTIONED



Some Material May Be Inappropriate for Children Under 13

®

BY THE
CLASSIFICATION AND RATING ADMINISTRATION



MOTION PICTURE ASSOCIATION OF AMERICA

Installation- manual

Version: 1.0
Status: Final
Client: De Klant
Project: Het Project
Project lead: De Projectleider

DEPLOYMENT AUTOMATION



SOFTWARE DEVELOPMENT **DONE RIGHT**

AUTOMATED TESTING



SOFTWARE DEVELOPMENT **DONE RIGHT**

DEVOPS



SOFTWARE DEVELOPMENT **DONE RIGHT**

STEP 4: CONTINUOUS DELIVERY

- Automated Provisioning
- Deployment Automation
- Automated Testing
- Continuous Integration
- DevOps

STEP 5: CONTINUOUS DEPLOYMENT





DARK LAUNCH



SOFTWARE DEVELOPMENT **DONE RIGHT**

FAMILY & FRIENDS



CANARY RELEASES



SOFTWARE DEVELOPMENT **DONE RIGHT**

A/B TESTING



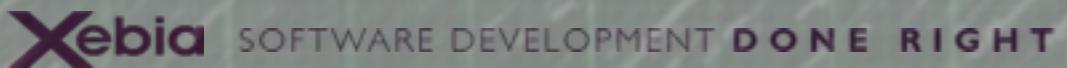
SOFTWARE DEVELOPMENT **DONE RIGHT**

MONITORING



SOFTWARE DEVELOPMENT **DONE RIGHT**

“OBSESSIVE MONITORING”



STEP 5: CONTINUOUS DEPLOYMENT

- Dark Launch
- Family & Friends
- Canary Releases
- A/B Testing
- “Obsessive Monitoring”

STEP 6: “HANDS OFF”



CD PIPELINE AS A SERVICE



SOFTWARE DEVELOPMENT DONE RIGHT



NoOPS



SOFTWARE DEVELOPMENT **DONE RIGHT**

IMMUTABLE SERVERS



SOFTWARE DEVELOPMENT **DONE RIGHT**



The background of the slide features a perspective view of a long row of server racks in a data center. The racks are dark grey or black, and their doors are slightly open, revealing the internal hardware and cooling fans. The perspective creates a sense of depth, with the racks receding into the distance.

No DTAP



SOFTWARE DEVELOPMENT **DONE RIGHT**

ROLL FORWARD



SOFTWARE DEVELOPMENT **DONE RIGHT**

MICROSERVICES



SOFTWARE DEVELOPMENT **DONE RIGHT**

STEP 6: HANDS OFF

- NoOps
- Immutable Servers
- No DTAP
- Roll Forwards
- Microservices

STEP 7: HIGH SCALABILITY





10,000 SERVERS PER SYSTEM ADMIN



SOFTWARE DEVELOPMENT **DONE RIGHT**



SIMIAN ARMY



LATENCY MONKEY



Xebia SOFTWARE DEVELOPMENT **DONE RIGHT**



TH

DOCTOR MONKEY



SOFTWARE DEVELOPMENT **DONE RIGHT**



CONFORMITY MONKEY

Xebia SOFTWARE DEVELOPMENT **DONE RIGHT**



CHAOS GORILLA



SOFTWARE DEVELOPMENT **DONE RIGHT**

Go-LIVE 25-50X EACH DAY



SOFTWARE DEVELOPMENT **DONE RIGHT**



STEP 7: HIGH SCALABILITY

- 10,000 systems per system admin
- An army of monkeys
- Go-Live 25-50x each day



SOFTWARE DEVELOPMENT **DONE RIGHT**

WHAT IS YOUR NEXT STEP?



Xebia SOFTWARE DEVELOPMENT **DONE RIGHT**

GO TO STEP 5 RIGHT AWAY?



THE END

