



Radical Agility with Docker & AWS

Docker Berlin Meetup 2015-11-12



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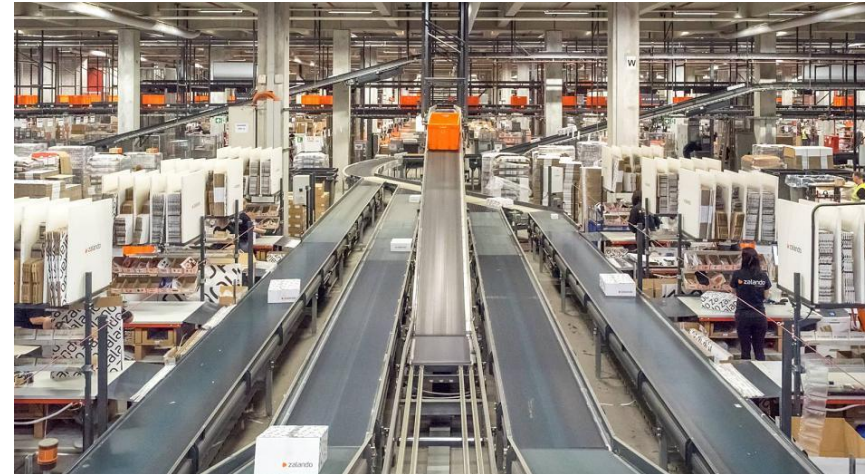
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ONE OF EUROPE'S LARGEST ONLINE FASHION RETAILERS

- ★ **15** countries
- ★ **3** fulfillment centers
- ★ **16+ mn** active customers
- ★ **2.2+ bn €** revenue 2014
- ★ **135+ mn** visits per month
- ★ **9.000+** employees
- ★ **IPO** in Oct 2014



... WITH A STRONG FOCUS ON TECHNOLOGY

- ★ **800+ in Tech Dept**
- ★ **5 main tech locations**
 - **Berlin**
 - **Dortmund**
 - **Hamburg**
 - **Dublin**
 - **Helsinki**



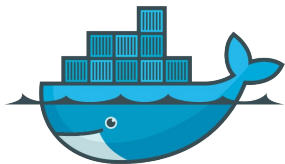
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RADICAL AGILITY

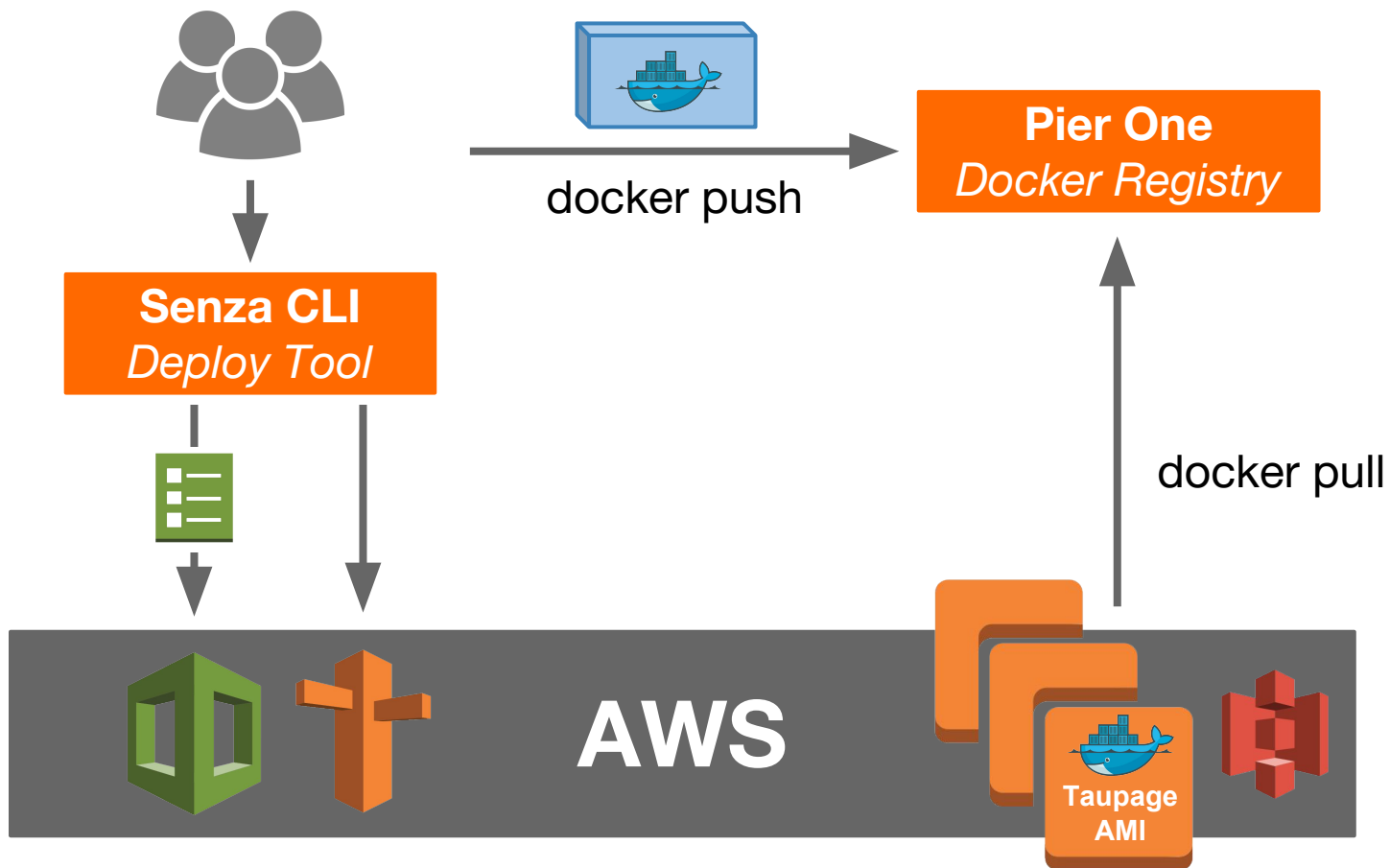
AUTONOMY

IN A NUTSHELL

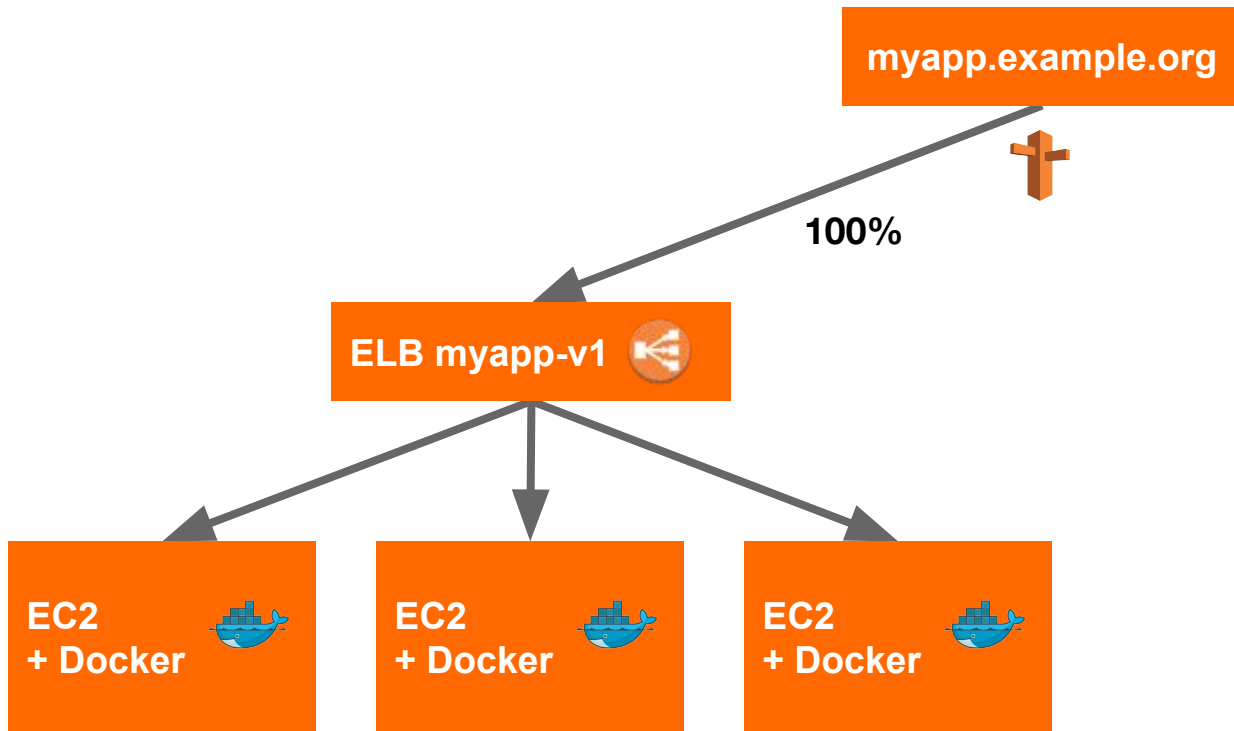


- ❶ One **AWS** account per Team
- ❷ Deployment with **Docker**
- ❸ Managed **SSH** Access
- ❹ **REST/OAuth 2.0** mandatory
- ❺ **Traceability** of changes

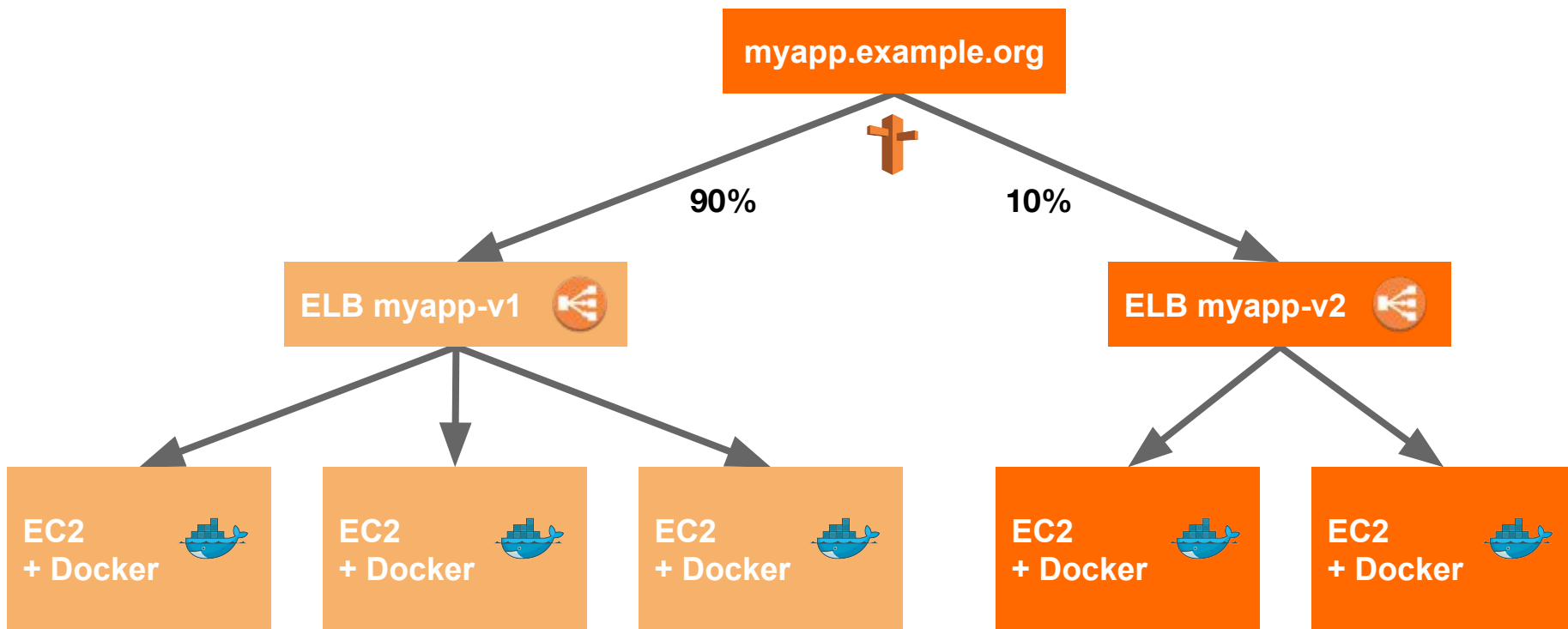
DEPLOYMENT



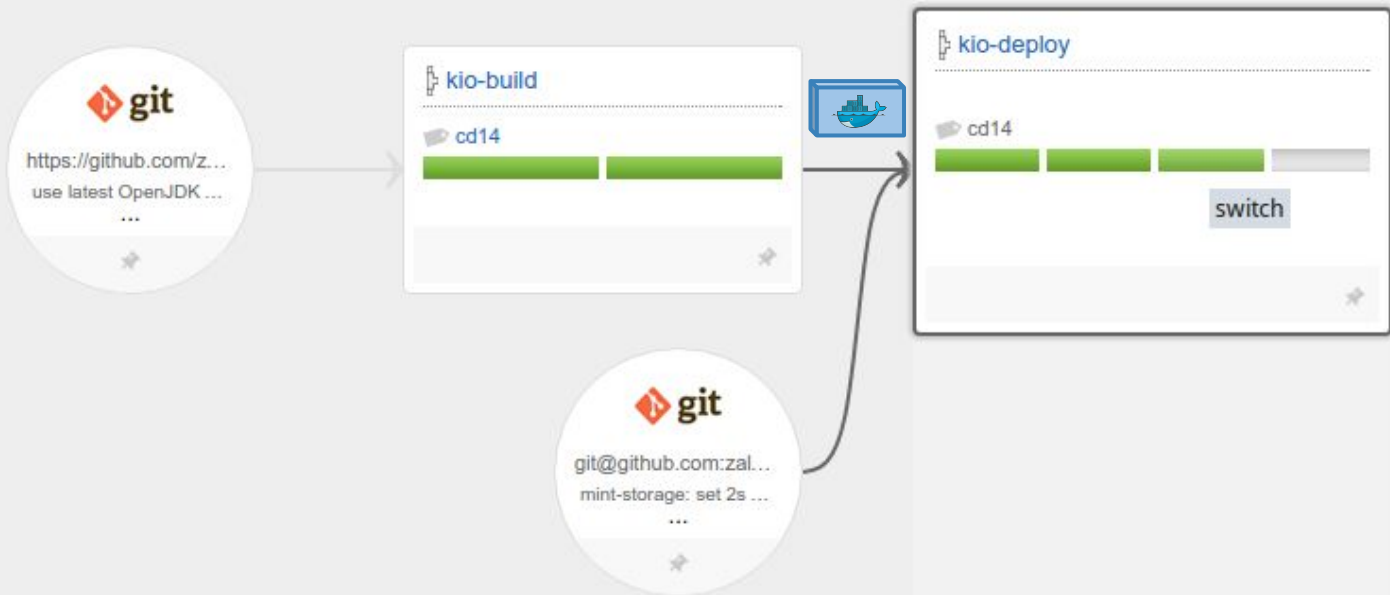
IMMUTABLE STACKS



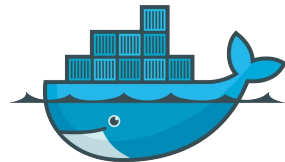
IMMUTABLE STACKS



[kio-deploy](#) » **cd14**

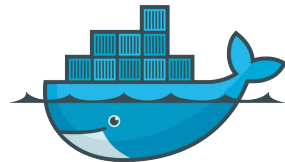


DOCKER IN STUPS



- Pier One **Docker Registry**
- **Ubuntu & OpenJDK** base image
- Log to **STDOUT**
- Config via **KMS encrypted env vars**
- **Non-root** execution
- **Persistence** via EBS mounts
- **Immutable stacks**, no orchestration

MY WISHLIST @DOCKER



- **Offline** builds
- Improved **isolation**
- **GPG** signing
- Registry **API** / Spec
- **Focus** on Docker core product

Open Source First

STUPS Homepage

stups.io

GitHub Repositories

github.com/zalando-stups

tech.zalando.com

@try_except_

