



**“Harness allows our developers to deploy themselves without speaking to Ops.”**



*“Openbank strives for technical excellence. With Harness, we get that for software delivery.”*

Javier Ros, Head of Architecture, Openbank

# Openbank Achieves Daily Deployments with Harness Continuous Delivery

## About

- Javier Ros, Head of Architecture, Openbank
- Openbank is the digital bank of Santander Group

## Compelling Event

- Digital transformation, public cloud migration, and delivery of new customer front-end application
- Existing Continuous Delivery process was too complex and painful to use for public cloud

**“Our Jenkins pipeline jobs were too painful to manage and deploy with.”**

## CI/CD Challenges

- Managing 20+ microservices (dependencies, environments, and configuration) across multiple dev teams
- Existing Jenkins CD process was too painful/brittle to manage and scale across multiple microservices
- Jenkins doesn't support complex pipelines well with lack of insight into deployment dependencies, status and health -- “We don't trust Jenkins will do the right thing.”
- Manual testing, deployment verification, and health checks could take 2-3 hours depending on service/team
- Manual rollbacks can mean Ops spend 2-3 hours to get artifacts, config, and environments back in sync

**“Production rollbacks could take the team 2-3 hours.”**

## Harness Benefits

- Single Pane of Glass for all apps, services and deployments
- Self-serve and democratize deployments from centralized Operations team to development teams
- Reduce production incidents and increase code quality using canary deployments
- Continuous Verification of deployments using machine learning and existing monitoring tools
- Comprehensive support for traditional services (Tomcat/JBoss) and cloud-native services (AWS)
- Deep AWS integration for EC2, ECS, Lambda, CodeDeploy, and KMS
- Harness' deployment & cloud abstraction means cloud migration can be achieved in hours

## CI/CD Ecosystem

- Java, Docker
- AWS EC2, ECS, Lambda, & CloudFormation
- Nexus, Bamboo
- New Relic, Splunk, CloudWatch

## Business Impact

- Allows Openbank to deliver a superior customer experience
- Reduced deployment time by 75%+ from 4-6 hours to 1 hour via automated canary deployment
- Reduced deployment effort by 66-95% from 3-15 Ops engineers to 1 developer
- Reduced rollback time by 96% from 2-3 hours to 5-10 minutes
- Development teams now achieve daily deployments using CD as-a-Service