



“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