



“We’ve already reduced deployment time from 24 man hours to 4 man hours with Harness—our end goal is 30 minutes.”

“Harness was the only solution that fully integrated with our GCP, Kubernetes, APM and Log stack. This allowed us to make decisions fast without human intervention to roll back or forward.”

Jishnu Kinwar, VP Technical Operations

Vuclip Empowers Developers with Harness Continuous Delivery As-A-Service

About

- Jishnu Kinwar, VP Technical Operations
- Vuclip is a leading global technology-driven media company delivering on demand entertainment to emerging markets including India, Southeast Asia, Africa and the Middle East.
- Vuclip's market success in on demand entertainment is built on its leadership at the intersection of technology, consumer insights and media.
- Vuu is a leading OTT Video service by PCCW and Vuclip available in 15 markets, currently with 16 million active users. Vuu's unique value proposition of fresh and localized regional and local premium TV shows, movies and originals entertains millions of consumers every day.

Supported Ecosystem, Technologies & Tools

- .NET
- Helm
- Pivotal Cloud Foundry
- Prometheus
- Datadog
- Logz.io
- Hashicorp
- Terraform

CI/CD Ecosystem

- Docker, Kubernetes
- Google Cloud Platform & Kubernetes Engine
- BitBucket, Jenkins & Chef
- New Relic
- ELK

Compelling Event

- Transitioning from monolithic Xen based on-premises apps to microservices running in GCP using Docker & Google Kubernetes Engine

Evaluation

- Evaluated Harness, open-source, and commercial CD solutions
- Harness was the only vendor to support Kubernetes Daemon Sets, HPA, and parameter passing

- Harness supported New Relic out of the box; all other solutions required custom scripting
- Harness UI stood out and was simple, clean, and intuitive for users
- Continuous Verification with New Relic and ELK was unique and very powerful

CI/CD Challenges

- 2 production deployments a week across 6 dev teams
- Centralized deployment team manually maintained Chef and Jenkins deployment scripts
- Average. rolling deployment required 4 people for 6 hours to deploy/verify
- Health checks were performed manually by deployment team and people in the field (no canary deployments)
- Production rollbacks were manual, took ~2 hours and happened once a quarter
- Over a year, Vuclip was spending ~2,496 hours to deploy/verify applications

Business Impact

- Reduced time to market for Cloud and CD Initiative by 4 months and avoided 2 engineers building own CD platform
- Reduced deployment time by 83% from 4 people and 6 hours (24 man hours) to 2 people and 2 hours (4 man hours)
- Reduced rollbacks from 2 hours to 15 minutes saving ~420 minutes of downtime per year
- Saved ~ 2080 hours (equivalent to \$200,000 in a year savings) of time spent deploying, verifying, deployments, and maintaining a home grown solution

(continued)

Harness Benefits

- Development teams independently deploy using Harness
- Out-of-the-box support for:
 - GCP, Kubernetes (advanced config + HPA)
 - Canary deployments
 - New Relic and ELK
- Auto-verification of deployments using real-time machine learning
- Auto-rollback for failed deployments

ROI

- Accelerated time-to-market for cloud migration to GCP & GKE
- Harness Continuous Verification in first month identified a slow running critical business transaction in New Relic and rolled back production deployment in 15 minutes
- Harness Customer Success team ensured early adoption from Vuclip development teams

“Harness has very good people, they listened, partnered and advised my team so we know where we’re going with microservices and serverless in the future.”

Jishnu Kinwar, VP Technical Operations



Harness is the industry's first Continuous Delivery-as-a-Service platform that automates the entire CD process, keeps it secure, and uses machine learning to protect you when deployments fail.

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