“We’ve finally arrived at automated Continuous Delivery for our microservices.”

“Using legacy Jenkins, building new pipelines took days. Now it takes 5 minutes.”

Jacob Vincent Martin
Sr. Software Engineer
Home Depot QuoteCenter Solves Continuous Delivery for Microservices with Harness

About
• Jacob Vincent Martin, Sr. Software Engineer
• Home Depot QuoteCenter empowers Home Depot with leading-edge applications and digital services

Compelling Event
• Ensure Continuous Delivery with regards to complex microservices environment
• Replace legacy Jenkins jobs/scripts with modern, repeatable process for delivering artifacts to production
• Eliminate intensive manual effort involved with deployments

CI/CD Challenges
• Lack of CD automation in regards to complex microservices environment
• Legacy inventory of Jenkins scripts made it difficult to onboard and ramp up new developers
• Pipeline creation (using Jenkins) took days since pipelines had to be created from scratch each time
• Secrets kept across multiple repositories (Consul, Kubernetes, Jenkins)
• Inability to do quick, reliable canary deployments
• Open source CD alternatives lacked native Kubernetes support, canary deployments, and customer success team

Harness Benefits
• Continuous Delivery, configuration, and secrets management—all under one roof—without having to self-host
• New microservices can be spun up and pipelines updated simultaneously without manual effort
• Pipelines can be templatized, thus dramatically reducing the time to create new ones
• Out-of-the-box ability to do canary deployments
• Team of developers (and all new hires) quickly onboarded and ramped
• Harness customer success team created custom features that “future proofed” HDQC’s CD process

“We onboard new developers in days now, not weeks.”
Jacob Vincent Martin, Sr. Software Engineer

CI/CD Ecosystem
• Kubernetes
• GCP
• Circle CI, Jenkins
• Datadog

Business Impact
• Reduced onboarding time for new developers from weeks to days
• Deployment pipelines now take 5 minutes versus days
• Management has complete view into what’s being deployed and where due to “single source of truth” dashboards
• Repeatable, scalable CD process & platform natively designed for microservices & Kubernetes

“We needed support, not just software, and we get that with Harness.”
Jacob Vincent Martin, Sr. Software Engineer

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. www.harness.io | demo@harness.io