

Harness has deep respect for Spinnaker and its contributions to Continuous Delivery; it was the first open source initiative to take on the challenge.

Harness provides the industry’s first commercial and enterprise-grade Continuous Delivery solution for resource strapped teams looking for a powerful and simple platform, preventing the need to do heavy lifting through open source tooling. We’re particularly unique in how we leverage sophisticated machine learning algorithms to do “continuous verification” of all aspects of performance, quality, and security of complex software applications as they go through delivery pipelines. Our R&D team in San Francisco is fully dedicated to building the industry’s best Continuous Delivery platform, and we keep a relentless focus on automation, simplicity and usability.

Harness Offers Three Unique Features:



CONTINUOUS VERIFICATION & AUTOMATED ROLLOBACKS

Say goodbye to writing deployment scripts for each application and deploy. Harness auto-generates all deployment scripts based on built-in or custom deployment templates. Do it once and roll it over to your other applications.



Repeatable Process through Templates

Machine learning-based continuous verification ensures before-and-after performance & functionality. Comes with deep integrations with standard monitoring systems



Support for Compliance & Security Rules

Create Compliance rules regarding security, performance, and quality, then automatically enforce them in your CD pipelines. Gain a full audit trail documenting every step of the process.

Spinnaker is a terrific option for teams with the resources and expertise to use it, but we believe Harness delivers unprecedented results for software engineering and DevOps organizations where the application truly is critical to the business.

HARNESS vs SPINNAKER—Side by Side

Feature	Harness	Spinnaker
Continuous Verification – Monitoring Machine learning-based continuous verification ensures before-and-after performance & functionality.	✓	✗
Continuous Verification – Testing Automatically integrate output of test jobs like Selenium for before-and-after comparisons in the pipelines, or to compare test results with historical test outcomes.	✓	✗
Continuous Verification – Security Deep integrations with security verification systems like Qualys, Veracode etc. in the CD pipelines to ensure application changes are delivered securely.	✓	✗
Orchestrate complex Deployment Strategies Built-in workflows for complex deployment strategies—Canary, Blue/Green, Rolling Upgrade, & Multi-Service deployments.	✓	✓

HARNESS vs SPINNAKER—Side by Side (cont.)

Feature	Harness	Spinnaker
Automated Deployments Harness auto-generates all deployment scripts based on built-in or custom deployment templates.	✓	✗
Enforce Compliance Rules Create Compliance rules regarding security, performance, quality, etc. and automatically enforce them in your CD pipelines.	✓	✗
Automatic Pipeline Triggers Listen to events, collect artifacts, and trigger pipelines from Jenkins, Nexus, Artifactory etc, or a new image in a docker registry, or based on a schedule.	✓	✓
Manage Deployment Windows Configure windows when deployments are allowed or not allowed based on application traffic patterns.	✓	✓
Audit Trail Comprehensive audit trail of each step in the pipeline, each deployment, each command, each artifact, and each change in configuration. Audit trail kept for 3 years.	✓	✗
Notifications Integrate with Slack, Hipchat, Email, SMS to get notifications on each step in the CD pipelines and ongoing deployments.	✓	✓
Credentials and Secrets Management Built-in management of credentials and secrets, including support for encryption through your Amazon KMS, etc.	✓	✗
Role-based access control Fine-grained role-based access control. Integrations with enterprise access control systems like LDAP, SAML	✓	✓
Shareable Templates Create and share service, deployment and pipeline templates with other teams in your organization.	✓	✗
Built-in version control Built-in version control for all pipeline and deployment configurations.	✓	✗
Configuration as Code All pipeline and deployment configurations can be edited and configured and managed through YAML.	✓	✗
Multi-Cloud Support BHarness supports Amazon EC2, Amazon ECS, Kubernetes, Google Cloud Platform, Google Container Platform. More coming soon.	✓	✓
Single CD Platform for Cloud-Native & Traditional Apps Set up CD for both your cloud-native and traditional apps to a single platform.	✓	✗
Software-as-a-service Use our software-as-a-service offering to get started in minutes. No maintenance needed.	✓	✗
Enterprise-Grade Support Professional 24x7 enterprise-grade support.	✓	✗