**harness** | **Continuous Integration**

Harness Continuous Intergration

Harness CI is designed to be blazing fast, simple, and open, making developers' lives easier. It scales seamlessly, cutting out tedious and time-consuming processes, allowing developers to focus on delivering high-quality features swiftly, efficiently, and securely.

Data Points

World's Fastest CI Platform

Harness CI is up to 4X faster than competing CI tools offering optimized cloud build machines, intelligent caching, and our signature Test Intelligence™. This unparalleled speed amplifies developer efficiency and translates to significant savings on infrastructure costs.

BUILD TIMES - APACHE KAFKA

Harness
4 mins   **4x Faster** ⚡

CI Vendor X
15 mins

Github Actions
19 mins
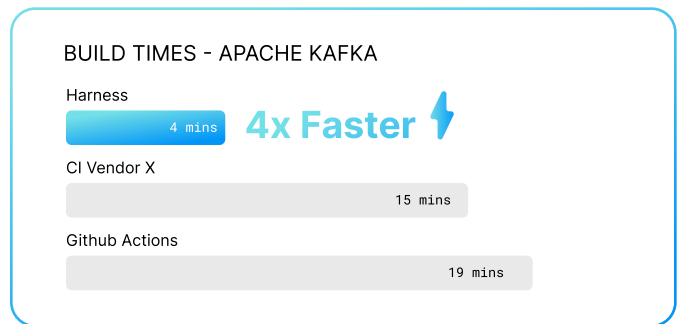
Build Anything, Anywhere

From web and mobile to APIs and beyond, build, test, and deploy code in your preferred programming language. Build on Linux, macOS, Windows, ARM, on a VM or in a container. Run builds on Harness Cloud and/or in your self-hosted environment.

Extensibility Through Plugins - Safely

Tap into the collective wisdom of community plugins by leveraging Drone Plugins, GitHub Actions and Bitrise Steps in your CI Pipelines. With OPA-based policies in place, you can establish guardrails while still allowing developers the freedom to use their favorite integrations.

Top-Notch Governance and Compliance

Harness provides robust, enterprise-grade governance for your CI/CD processes. With OPA-based policies, you can centrally enforce quality and security standards across all pipelines. Additionally, platform features such as Templates, Secrets Management, granular RBAC, Approvals, Notifications, and Audit Trails ensure a CI/CD process that's secure, compliant, and efficient—perfectly tailored to your organization's needs.

```
deny[msg] {
    # Find all stages ...
    stage = input.pipeline.stages[_].stage

    # ... that are used for CI
    stage.type == "CI"

    # ... that have steps
    step = stage.spec.execution.steps[_].step

    # ... that build and push to GCR steps
    step.type == "BuildAndPushGCR"

    # ... and do not target "us.gcr.io"
    step.spec.host != "us.gcr.io"

    # Show a human-friendly error message
    msg = sprintf("CI stage '%s' cannot push images to host '%s'", [s
}
```

Ensure Allowed Container Registries
Ensure that docker imager are only pushed to GCR and not other container registries

Mandatory scanners
Ensure that the required scanners are included in every pipeline where this policy is enforced

Comprehensive Dashboards and Reporting

Harness offers detailed insights across builds, security issues, test outcomes, deployments, and more so you can easily spot obstacles for faster software delivery. Plus, you can create customized dashboards tailored to your unique requirements.

Unified Secure DevOps Solution

Enhance your pipeline with Harness Continuous Delivery, Feature Flags, and Security Test Orchestration to deliver swiftly and confidently. Implement policies and gain a comprehensive view of SDLC performance metrics across all stages.

Before Harness

✗ Missed SLAs due to unstable cloud hosting.

✗ Slow and unpredictable build durations.

✗ Unexpected and high cloud build expenses.

✗ Prolonged feedback loops and subpar UX hindering productivity.

✗ Pipeline sprawl caused by rigid templates.

✗ Inability to enforce standards and ensure compliance.

With Harness

✓ Achieve up to 30% savings on your CI Cloud bill, thanks to our speed optimizations and competitive pricing.

✓ Experience up to 50% faster build durations, accelerating your time to market.

✓ Benefit from consistent and reliable cloud hosting, ensuring your development work remains uninterrupted.

✓ Foster best practices and facilitate rapid onboarding with templates.

✓ Dive into your SDLC performance metrics and gain actionable insights with our comprehensive dashboards.

✓ Enforce standards and ensure compliance using OPA-based governance.

Harness Differentiators

Test Intelligence

Test Intelligence smartly picks and runs only the tests related to the code you've changed, cutting down test cycle time by up to 80%.

Cache Intelligence

Cache Intelligence reduces build time through 1-click automatic caching of well-known dependencies and Docker layers.

AI-Powered Build Issues Remediation Suggestions

Harness empowers developers to troubleshoot and resolve build and deployment failures swiftly and effortlessly, using AI-powered root cause analysis and remediation suggestions.

Isolated Cloud Build Machines

No noisy neighbors to slow you down. With Harness no-share infrastructure each customer gets isolated cloud build machines for maximum security and performance.