



Enterprise Expertise You Can Trust for Testing, DevOps, and Cloud Architecture

Solano Labs is a provider of CI/CD and DevOps technologies and services that can help your organization deliver best practices in DevOps, continuous integration and delivery, and cloud architecture. As an AWS Advanced Technology Partner with the DevOps Competency designation, Solano derives its expertise from successfully operating its large-scale flagship SaaS, Solano CI, on the AWS platform. Solano Labs' service offerings include architecture, cost and performance optimization, and implementation of DevOps and Agile infrastructure.

Why Solano Services?

- Solano Labs' technology helps hundreds of organizations of all sizes reach their automated testing and continuous delivery goals.
- Solano Labs has a strong product background. Our flagship SaaS Solano CI earned the "Well-Architected" designation from AWS.
- We specialize in understanding your needs and delivering the right solutions for you.

Whether you're in the earliest phases of bringing proven technology to the cloud, need help defining and implementing an automated testing strategy, or are old hands at DevOps and need to scale up your existing process, Solano Labs can help.

Case Studies

GOAL

Reliable Continuous Delivery by connecting existing tools and systems.

DELIVERABLES

- Implement configuration changes for existing systems.

RESULT

End-to-end Continuous Delivery Pipeline from commit to staging to production.

Optimize custom Continuous Integration infrastructure. Needs include stability, scalability, reproducibility of results and hosting costs.

- Specify a single instance config that can run different Jenkins workloads to reduce partitioning.
- Optimize instance and workload configuration for cost and performance

Reduce waste due to partitioning between multiple pools of different instances. Better utilization means lower costs.

PROBLEMS

- Total turnaround time (TAT) for testing was too long
- Tests took too long to run

PHASED IMPLEMENTATION

- A Solano CI virtual appliance sped up worker setup and ran some long tests in parallel
- Developed the long-term fix: a custom Chef/Puppet system.
- Solano and client worked to break up tests and increase parallelism

RESULT

- Reduced total turnaround time by 67%
- Saved tens of thousands of developer hours.

- 2+ hour custom test suite
- Brittle test environment yielding unreliable results
- Engineer time constantly wasted on patching existing testing infrastructure

- Brought rigorous isolation to build process
- Made database schema migration process parallel-safe
- Established sterile test environment at build start to ensure reliable results
- Made tests run in parallel

- Improved scalability
- Reduced test suite time from 2 hours to 12 minutes
- Engineers spend much more time on building core product, not on DevOps

Visit our website to learn more about Solano Labs' services offerings. We have experience crafting solutions for complex enterprise needs.

