Jenkins User Success Stories
Welcome.

In 2020, we launched JenkinsIsTheWay.io, a global showcase of how developers and engineers build, deploy, and automate great stuff with Jenkins.

Jenkins Is The Way is based on your stories. You shared how using Jenkins has helped make your builds faster, your pipelines more secure, and your developers and software engineers happier. In essence, Jenkins has made it a whole lot easier to do the work you do every day.

You’ve also shared the amazing stuff you are building: your innovation, your ingenuity, and your keen ability to adapt Jenkins plugins to handle everyday business issues. With this in mind, we share this ebook with you.

These half-dozen stories shine a spotlight on how Jenkins users solve unique software development challenges across industries and around the globe. They also illustrate how Jenkins community members build next-generation DevOps and CI/CD platforms, which serve as the backbone for software innovation across companies of all sizes.

We applaud the excellent work you do. And we thank you for being part of our community.

Best regards,

Alyssa Tong
Jenkins Events Officer 2020
and Advocacy & Outreach SIG
Jenkins Is The Way to space.

SUMMARY
A satellite’s onboard computer is one of the core components directly responsible for mission success. It’s necessary to include hardware-based testing in the CI process to catch potential hardware/software incompatibilities early-on.

CHALLENGE
When it’s not possible to run “full” operating systems, the software is forced to work directly with hardware components. KP Labs sought to develop new software for the onboard computer of the 6U CubeSat satellite, a type of miniaturized satellite for space research.

SOLUTION
In their development process, KP Labs use a multibranch pipeline project with ‘Jenkinsfile’ describing a full build pipeline. Thanks to Jenkins being versioned, it is easy to test improvements without disrupting the work of other developers.

"Jenkins allows us to get fast feedback about codebase changes and ensure proper quality by efficiently managing engineering models."

Results

Dramatically dropped hardware-related problems

Reduced waiting for free executor by using more nodes

Easy access to up-to-date documentation and memory usage reports

Read Maciej Nowak’s user story at JenkinsIsTheWay.io
Jenkins Is The Way to make configuration-as-a-code possible.

**SUMMARY**
To support Preply’s online education platform — and over 100,000 students and 25,000 tutors — the company’s engineering team set out to create a fully automated CI/CD process for its software and development projects.

**CHALLENGE**
To maintain an 'everything as code' mantra, Preply looked to enhance the current Jenkins installation and eliminate manual intervention.

**SOLUTION**
Using a configuration-as-a-code only solution for all software development, made possible with Jenkins, Preply now has a flexible and scalable CI/CD pipeline that enables their team to introduce and accelerate the deployment of new builds without jeopardizing the entire service.

“Jenkins made our development easier. Every engineer could make any changes in any pipeline through the Pull Request. No manual changes, only code!”

Amet Umerov
DevOps Engineer

**RESULTS**
- **Release rate increased from 1 instance a day to over 40**
- **Deployment time reduced from 90 to 5-40 minutes**
- **Rollback time decreased from 45 minutes to 60-120 seconds**

Read Amet Umerov’s user story at JenkinsIsTheWay.io
Jenkins Is The Way
to do things quickly, simply and powerfully.

SUMMARY
Avoris Travel, a unique travel company seeking to reinvent the travel industry, relies on an equally innovative technology platform fueled by Jenkins.

CHALLENGE
With over 200 developers relying on its infrastructure, Avoris needed a secure, easily customizable, and powerful CI/CD platform.

SOLUTION
Tapping into Jenkins’ vast number of plugins, the team was able to build a scalable infrastructure supporting 675 agencies and over 2.8 million international consumers.

“Jenkins rocks because of the huge number of integration possibilities and plugins available, as well as its great community and resources available.”

Alejandro Alvarez Vazquez
SysAdmin

For small apps, build times cut from 45 to just 8 seconds

For legacy apps, build times shaved by 7-8 minutes

Final image generation time reduced by 10-30 seconds

Read Alejandro Alvarez Vazquez’ user story at JenkinsIsTheWay.io
SUMMARY

Tymit, a revolutionary credit card processing company, needed to build a compliant, transparent, secure and modern DevOps platform to drive product innovation, handle instant financial transactions, and support thousands of users in real-time.

CHALLENGE

To create a solidly reliable CI/CD platform that provides the agility and the flexibility needed to support innovation while ensuring the security and scalability a reliable fintech service require.

SOLUTION

Tymit turned to Jenkins as the most dependable way to keep its platform evolving continuously and securely while enabling its technology team with every integration needed to scale across its three distinct platforms.

"Jenkins has all of the key ingredients required to be successful: power, flexibility, scalability and community."

Francisco De Lucas
Principal Software Engineer

FINANCE

Read Francisco De Lucas’ user story at JenkinsIsTheWay.io

RESULTS

Faster delivery of mobile, microservices and operational services

Ability to support thousands of users for real-time transactions

50% reduction for software testing and release cycles
Jenkins Is The Way
to cast magic of continuous delivery.

SUMMARY
JD.com, a leading internet e-commerce company in China, relies on a stable DevOps platform supporting rapid development and flawless delivery to over 400 million users.

CHALLENGE
To build a continuous delivery pipeline to cohesively align with a solid release plan that supports the diverse technology requirements of iOS, Android, Server, H5, React, and more.

SOLUTION
JD.com’s technology team developed an end-to-end software delivery powered by Jenkins that provides a high availability CD platform to support thousands of applications.

“Jenkins is one of the greatest projects in the last 15 years and keeps evolving with fast cadency. Pipeline as code and DSL give us great inspiration while we design our platform.”

Xuefeng Shi
Software Engineer

RESULTS
High availability of continuous delivery platform
One platform supporting multiple stacks
Reduction in release cycle from 1 hour to 10 minutes

Read Xuefeng Shi’s user story at JenkinsIsTheWay.io
Jenkins Is The Way to automate continuous delivery pipelines.

SUMMARY
While migrating their legacy system to the cloud, leading Danish insurer Topdanmark once again relied on Jenkins, this time with an eye on moving towards a CI/CD solution.

CHALLENGE
To create a platform that allowed them to migrate away from handheld deployments and achieve a complete autonomous build process, from the cradle to the grave.

SOLUTION
Topdanmark landed on a Jenkins-powered server platform that runs client/customer-related business applications and the tooling services used to support consumers.

“We used Jenkins because almost everyone knows what Jenkins is and how to use it. It is the ‘de facto’ product to use in our world. Extremely configurable.”

Jon Brohauge
DevTools Engineer

RESULTS

100% automatic creation of Jenkins installations

Ability to release and deploy an artifact whenever, wherever

Happier software developers plus smaller monoliths and containerization

Read Jon Brohauge’s user story at JenkinsIsTheWay.io
Thank You To Our Sponsors

The Continuous Delivery Foundation (CDF) serves as the vendor-neutral home of many of the fastest-growing projects for continuous integration/continuous delivery (CI/CD). It fosters vendor-neutral collaboration between the industry’s top developers, end-users and vendors to further CI/CD best practices and industry specifications. Its mission is to grow and sustain projects that are part of the broad and growing continuous delivery ecosystem. For more information, visit https://cd.foundation/

CloudBees, the enterprise software delivery company, provides the industry’s leading DevOps technology platform. CloudBees enables developers to do what they do best: Build stuff that matters while providing peace of mind to management with powerful risk mitigation, compliance and governance tools. Used by 50% of the Fortune 100, CloudBees is helping thousands of companies harness the power of “continuous everything” while getting them on the fastest path from great ideas, to great software, to amazing customer experiences, to being a business that changes lives. For more information, visit www.cloudbees.com

About Jenkins

Jenkins is the leading open source automation server supported by a large and growing community of developers, testers, designers and others interested in continuous integration, continuous delivery and modern software delivery practices. Built on the Java Virtual Machine (JVM), it provides more than 1,500 plugins that extend Jenkins to automate with practically any technology software delivery teams use. In 2019, Jenkins surpassed 200,000 known installations making it the most widely deployed automation server. For more information, visit https://www.jenkins.io/

Tell us your user story, and get your limited series Jenkins t-shirt.
Visit www.JenkinsIsTheWay.io