

# VMware Tanzu Labs Modern Application Development

Improve your app portfolio and delight your customers with innovative products



**VMware  
Tanzu Labs**

“We started doing our Labs engagements a few years ago... The best part about it is that we’re solving real business problems through those engagements. That’s been a very high impact and we’ve been able to spread that knowledge throughout the organization.”

— MIRANDA LEBLANC,  
SOLUTIONS ENGINEER, LIBERTY MUTUAL

## BUILD YOUR NEXT APP WITH TANZU LABS

Learn how companies like Liberty Mutual and Shields Health Solutions worked with VMware Tanzu Labs to quickly grow revenue with exceptional software:  
[tanzu.vmware.com/customers](https://tanzu.vmware.com/customers).

Your organization has more opportunities than ever before to provide an exceptional digital experience for customers. But delivering new apps and features while maintaining critical legacy systems is easier said than done. According to the 2019 Forrester Analytics Global Business Technographics® Developer Survey, the majority of development teams release applications less than four times a year. This is rarely fast enough to keep up with customer expectations.

**VMware Tanzu Labs™ helps you accelerate the delivery of software and modernize legacy apps, while reducing operating costs and risk.**

Jumpstart app development in an iterative, results-driven way. We help you deliver great apps with proven practices and simple tools. You will have working software in weeks, thanks to an approach that starts small and scales fast.

During a Tanzu Labs engagement, our use of modern app best practices and technologies is transferred to your team. After the project is done, you will have working software in production, an automated CI/CD pipeline and a team of practitioners ready to deliver constant value to your business.

## We help companies like yours get ahead, and stay there

To win market share, organizations must launch compelling new products before the competition. Tanzu Labs has completed thousands of successful engagements, helping our clients compete and grow in the age of digital disruption.

- **Build features your users love.** We help you deliver the product your customers crave with an evidence-based approach. Tanzu Labs designers conduct rigorous research so you know what to deliver to your users. Tanzu Labs product managers help you test and validate ideas to ensure meaningful business results and return on investment.
- **Go fast.** You need to build high quality code, quickly. Leveraging modern, cloud-native practices and technologies allows us to deliver production-ready apps in weeks. Tanzu Labs developers use test-driven development and extreme programming to produce high-quality software that’s ready for production faster. Deliver a new app in days and weeks, not months!
- **Deliver value consistently.** Develop new features continuously, and deliver them regularly. Adopt modern practices that encourage iterative development and rapid releases. Get apps on automated build pipelines and push updates long after our engagement ends.

#### MODERN APP DEVELOPMENT

- Accelerate your app development and modernization projects
- Leverage microservices and APIs
- Instill new skills and cloud native best practices
- Deliver quality code to production in weeks

#### CHOOSE A MODERNIZATION STRATEGY THAT WORKS

Hear how Tanzu Labs helps companies like Air France KLM, DICK'S Sporting Goods and Rabobank modernize and move valuable business apps to the cloud: [tanzu.vmware.com/customers](https://tanzu.vmware.com/customers).

Contact your VMware account team or reach out to us at: [tanzu.vmware.com/labs](https://tanzu.vmware.com/labs).

#### Modernize complex legacy applications in weeks, not months

According to a commissioned study conducted by Forrester Consulting<sup>1</sup> on behalf of VMware, 78% of CIOs view the improvement and modernization of their application portfolio as a top priority, yet less than half of them have made improvements in the last year. This leaves a huge gap between intent and action for many executives.

If you're like most companies, you have two reasons to modernize:

- **Operational efficiency from containers, automation, and resiliency.** This is a big job. So what's the best first step? A holistic evaluation of your application estate. Tanzu Labs has helped hundreds of organizations evaluate, plan, and execute their app and data modernization strategies. Need to do some light refactoring to get apps ready for containers? Do other apps require deeper updates? Do you need to break apart app or data monoliths? Thinking on-premises or public cloud? Moving to Kubernetes and other open-source projects? Whatever your priorities, we've got the expertise to help you realize meaningful business outcomes.
- **Transform monolithic systems to microservices to increase agility.** Many of your most important heritage applications feature a monolithic architecture. Often, these apps are expensive to run and hard to update. The root cause: architectural complexity. We'll help you update these critical systems to a modern architecture. With APIs and microservices, you can quickly push updates to delight users and lower operational costs.

Tanzu Labs has the technical expertise and proven methodologies to tackle your most complex backends and tightly coupled monolithic systems in weeks, not months. We'll tailor a modernization strategy for your portfolio following Tanzu Labs' four tenets of modernization:

- **Start small:** Even if your portfolio contains thousands of applications, start with a single business unit and a handful of apps that are valuable to your business.
- **Automate everything:** Use test-driven development, continuous integration and continuous deployment to reduce manual process time and software delivery lifecycle cost.
- **Learn by doing:** Inform a strategy and build your skills through hands-on work, rapid feedback, measuring results and creating a cookbook of patterns as you go.
- **Break it down:** Iterate quickly and continually on "thin slices" of complex systems.

#### Let's go!

Together we'll explore your idea for a new app or develop a modernization strategy tailored to your business objectives. Then, we'll get to work.

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1. How Transformative CIOs Use Customer Experience to Differentiate & Deliver Results. February 2020.