Modernize Complex Systems with VMware Tanzu Labs

Revitalize the messy, monolithic systems that are central to your business using our proven Swift Methodology.

> "VMware Tanzu Labs is unique in its approach to modernizing and building cloud native enterprise apps…Since working with Tanzu Labs, we can move apps to higher environments faster"
>
> LENNY JARAMILLO, NORTHERN TRUST

MODERNIZE A COMPLEX SYSTEM

Reduce risk and determine a strategy based on business goals, and informed by hands-on modernization work. We'll help you execute and deliver value faster than you thought possible.

Contact your VMware account team or reach us at: *tanzu.vmware.com/labs*

Many companies depend on massive, monolithic applications to support the core of their business. Built on outdated frameworks and the result of organic growth over time, these applications often struggle to cope with new and fast-changing business demands. Yet migrating a complex, business-critical system to a scalable distributed system in the cloud—while also continuing to innovate and deliver new features—goes beyond simply containerizing and migrating the application.

To effectively modernize and deliver meaningful outcomes, it's crucial to adopt a different mindset than what was used to create the monolith. VMware Tanzu Labs takes an iterative approach to modernization, leveraging highly efficient practices designed to minimize risk and jumpstart hands-on modernization work in days and deliver incremental value in weeks, not months.

VMware Tanzu Labs helps you plan and execute incremental modernization of business-critical systems and deliver quality code to production faster than you thought possible.

Kickstart monolithic system modernization with Swift

Within the first two weeks of an engagement, we'll help you dive into the business processes behind each part of your system and the challenges you're looking to solve using a methodology pioneered by Tanzu Labs called Swift.

Swift is a set of consecutive, proven practices that build upon each other. Our approach focuses on the future of your business, aligning against desired outcomes and identifying challenges to ultimately determine how the system "wants to be designed." The information gained through Swift informs decisions on how to organize development teams, choose the best tools for the job, prioritize work (from both a business and technical perspective), and define a path between the status quo and the desired state.

We'll then help you build a backlog and start coding. We'll pair alongside your development team to execute the modernization work, building small slices of your system and pushing these to production as we gradually strangle the monolith resulting in little to no downtime for your business.

Here's what we'll do together:

Our expert practitioners work with your team to develop a notional architecture based on your business processes and how your system wants to behave using our Swift Method:

- Align modernization efforts against clearly **defined business goals** using an Objectives and Key Results (OKR) framework.
- Collaboratively **explore and capture the business events** underlying your application to create a shared understanding and consolidate distributed knowledge. This is done with business, technical, and domain experts from your organization using a practice we modeled on Event Storming.
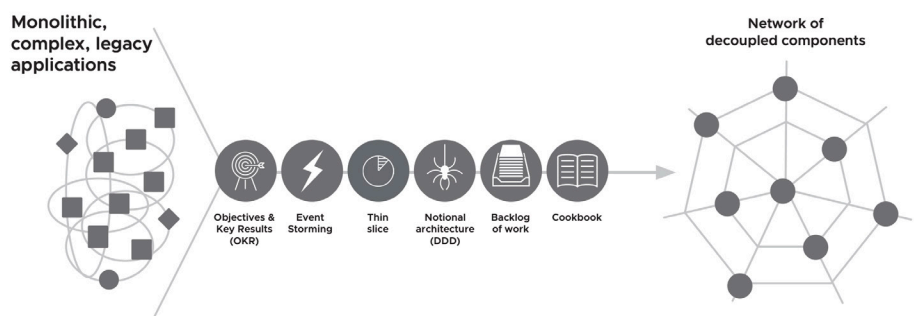
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- Identify appropriate **modernization starting points** as "thin slices" of functionalities.

- Construct the **desired notional architecture** by modeling the communication and data flows between the identified business capabilities with our Boris technique.

- Identify the **technical capabilities** that map to the notional architecture identified in Boris. Review existing tooling and processes, and identify opportunities for measured improvement and more modern technologies where it makes sense.

- Generate and iterate on a **prioritized backlog** of work including architecture studies and tested, production-ready code.

- Begin writing code and consolidate your tailored knowledge base in a "cookbook" of documented modernization **patterns** to help you execute faster and scale quickly.

Our approach to modernizing complex applications:

Let's go!

Waiting to untangle legacy applications that hinder a better customer experience isn't an option. Together we'll assess your needs and develop an evidence-based strategy tailored to meet your business and IT goals. Then, we'll get to work. Contact your VMware account team or reach us at *tanzu.vmware.com/application-modernization*.