![VMware Tanzu® logo]

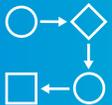# Overcome these 7 common Kubernetes challenges to achieve DevSecOps productivity

Today, developers are forced to spend too much time grappling with underlying infrastructure **instead of writing code**. They need to master concepts, artifacts, and best practices for developing applications running on Kubernetes. Unfortunately, they're often left to explore this complex ecosystem on their own and are given an incomplete set of unintegrated tools.

- Lack of internal experience and expertise
- Meeting security and compliance requirements
- Inability to quickly iterate
- Lack of documentation
- Lack of clear ownership
- Inability to customize
- Difficulty integrating with current structure

Business success depends on a superior developer experience

Outcomes for companies with a higher Developer Velocity Index (DVI) compared to those with a **lower** DVI

4-5x
faster revenue growth

55x
more innovative

Get the best DevSecOps outcomes, starting today

Combat roadblocks with Tanzu Application Platform: a modular, application-aware platform that runs on any compliant public cloud or on-premises Kubernetes cluster.

Developer Teams

Challenge	Solution
1. Starting from scratch without cloud native patterns	Saves time by bootstrapping new applications using cloud native patterns (app accelerators)
2. Can't access APIs inside my organization or publish my APIs	Simplifies API discovery and integration by bringing APIs together in one portal
3. No dev tooling at fingertips; can't iterate quickly on my code	Increases productivity by providing instant access to dev tooling, to iterate and test code changes from your IDE
4. Little visibility into how apps are deployed	Allows you to investigate running apps, easily troubleshoot

Operations Teams

| Challenge	Solution
5. No secure, consistent way to build containers from source code	Includes necessary components preconfigured, so you can build and deploy code quickly and securely
6. Can't deploy end-to-end pipelines with a strong set of defaults	Automates entire app deployment process via secure software supply chain workflow
7. Can't bring my own opinions	Allows you to customize a modular, composable platform; swap default components for your existing tooling where needed **(see image below)**

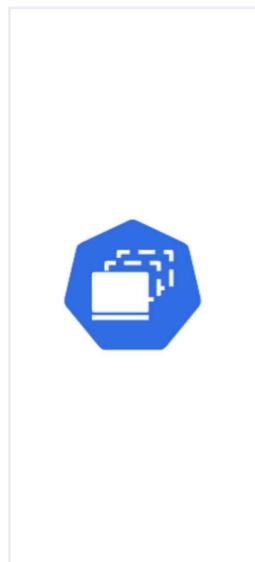**Swap in the individual components in which you've already invested.**
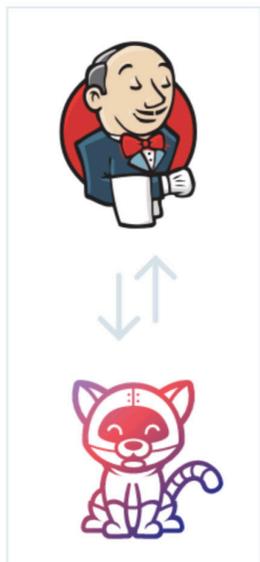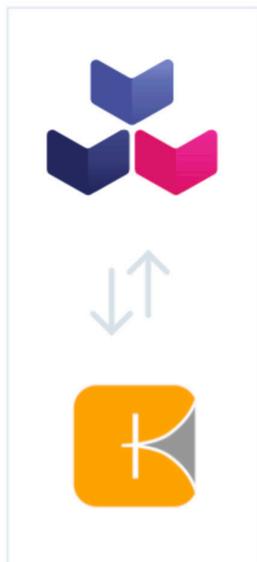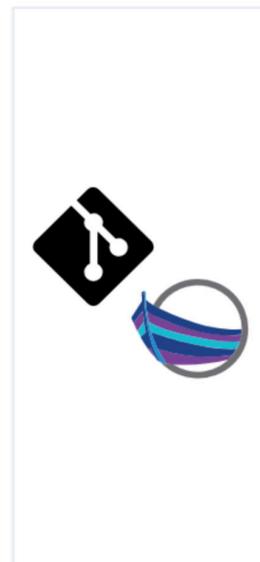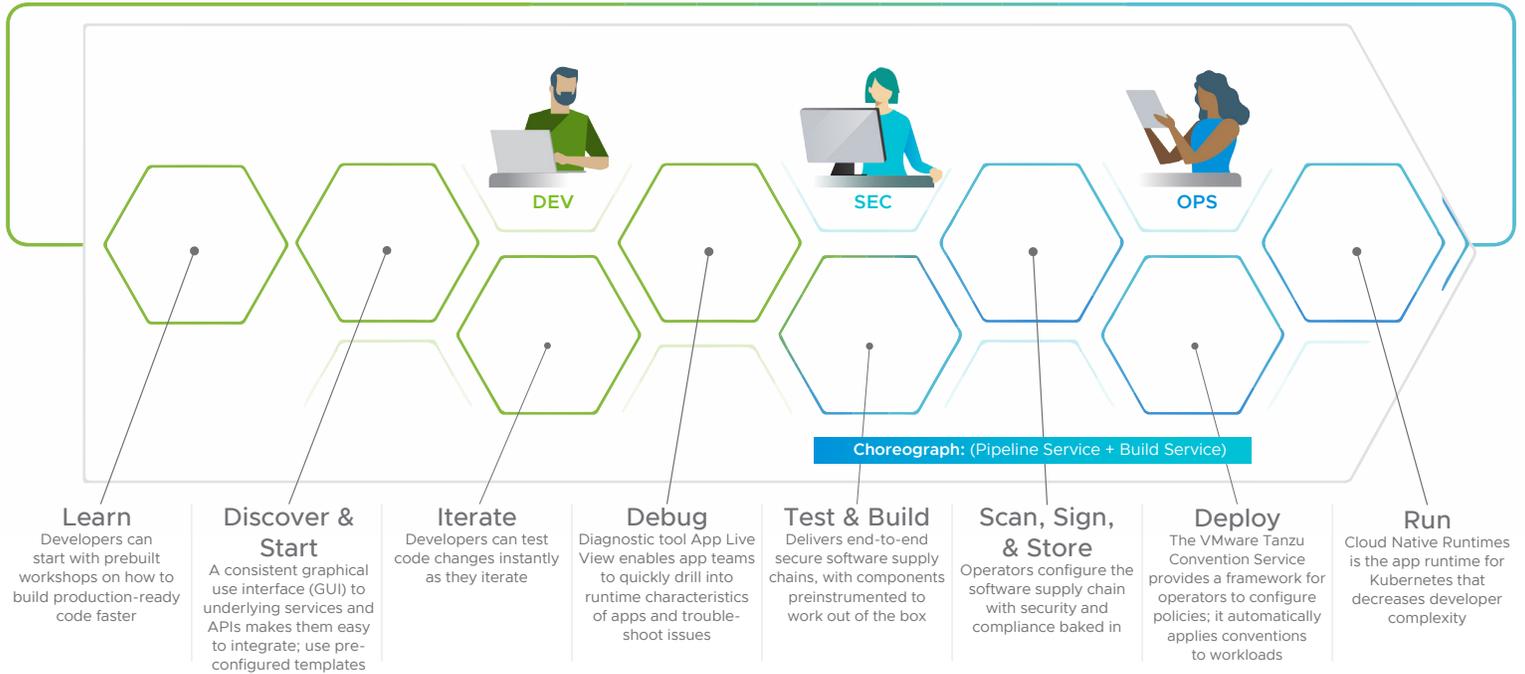

| WATCH GIT | RUN TEST | BUILD IMAGE | K8S CONFIG | GITOPS |

Get a trusted DevSecOps partner

Try VMware Tanzu Application Platform to employ a smooth path to production that's secure, scalable, modular, and can run on any Kubernetes.

DEV

SEC

OPS

Choreograph: (Pipeline Service + Build Service)

Learn
Developers can start with prebuilt workshops on how to build production-ready code faster

Discover & Start
A consistent graphical use interface (GUI) to underlying services and APIs makes them easy to integrate; use pre-configured templates

Iterate
Developers can test code changes instantly as they iterate

Debug
Diagnostic tool App Live View enables app teams to quickly drill into runtime characteristics of apps and trouble-shoot issues

Test & Build
Delivers end-to-end secure software supply chains, with components preinstrumented to work out of the box

Scan, Sign, & Store
Operators configure the software supply chain with security and compliance baked in

Deploy
The VMware Tanzu Convention Service provides a framework for operators to configure policies; it automatically applies conventions to workloads

Run
Cloud Native Runtimes is the app runtime for Kubernetes that decreases developer complexity

WATCH THE WEBINAR

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