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EXPLORE

TANB1129LV

Accelerate Your App Delivery with VMware Tanzu Platform

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#vmwareexplore #TANB1129LV

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Purnima Padmanabhan

General Manager
and Vice President,
VMware Tanzu Division, Broadcom

@ppadmanabhantw

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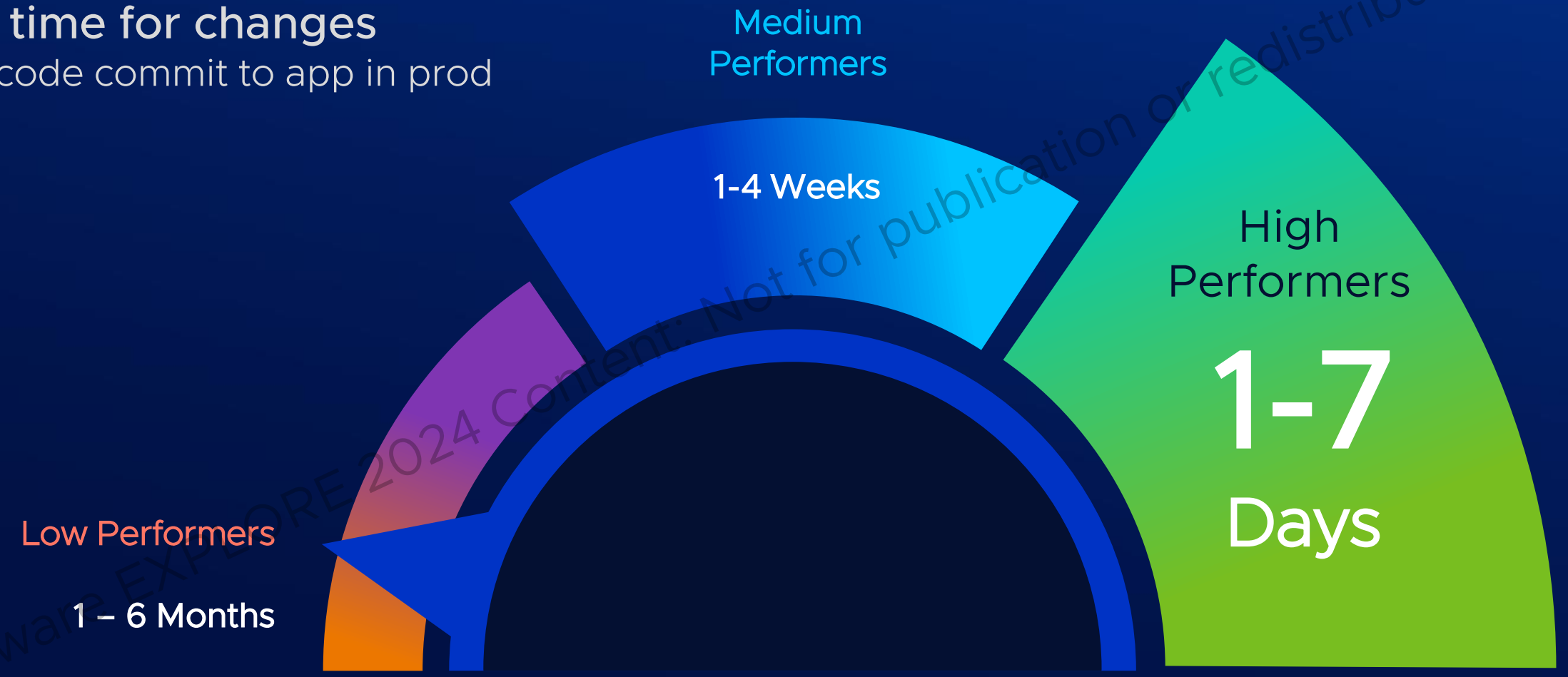
Every company is focused on app velocity…

Lead time for changes
From code commit to app in prod



Source: Accelerate State of DevOps 2023

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How will we maintain availability while making changes?

How can we standardize the path to production?

How many days between *"working on laptop"* to app in production?

How long does it take to fix a vulnerability in the platform?

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Tanzu Platform different approach based on these tenets…

DEVELOP

The developer experience must be simple to be safe

Simple developer framework and a simple set of operations: build, bind, deploy, scale

OPERATE

Platform that interprets developer intent with zero downtime using a dynamic app runtime

Infrastructure must dynamically scale to meet app needs

OPTIMIZE

Apps and infrastructure must be continuously updated with built-in functions: repave, repair, rotate

Platform that is continuously updated to mitigate risk

Your platform should be treated like a product

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VMware Tanzu Portfolio

VMware Tanzu Platform

VMware Tanzu Data Solutions

VMware Tanzu CloudHealth

VMware Tanzu Labs

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Tanzu Platform includes the entire app ecosystem

VMware Tanzu®
Platform

Tanzu Platform runtimes	Container management Enterprise app networking Local build environment Secrets management
Developer framework	App middleware
Hardened application & AI services	Hardened OSS images GenAI service broker
Application integrations	Integration & API management
Database / messaging services	Hardened OSS data services
OS & configuration management	Configuration management

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“With Tanzu Platform [we] have seen our releases go from 4 per year to over 90.”

-Tanzu customer response to
Enterprise Strategy Group survey, 2024

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Source: Economic Validation: Analyzing the Economic Benefits of VMware Tanzu Platform, commissioned by Broadcom, Enterprise Strategy Group, July 2024.

“…our applications run twice as fast as before.”

-Tanzu customer response to
Enterprise Strategy Group survey, 2024

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Source: Economic Validation: Analyzing the Economic Benefits of VMware Tanzu Platform, commissioned by Broadcom, Enterprise Strategy Group, July 2024.

“Tanzu Platform…streamlined our operations to the point of seeing a 300% acceleration in the time from idea to the capabilities being available to our customers.”

-Tanzu customer response to
Enterprise Strategy Group survey, 2024

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Source: Economic Validation: Analyzing the Economic Benefits of VMware Tanzu Platform, commissioned by Broadcom, Enterprise Strategy Group, July 2024.

“Patching is now…fully automated and gets done within a week. It used to take us three months.”

-Tanzu customer response to
Enterprise Strategy Group survey, 2024

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Source: Economic Validation: Analyzing the Economic Benefits of VMware Tanzu Platform, commissioned by Broadcom, Enterprise Strategy Group, July 2024.

Oren Penso

Director, Product Strategy,
VMware Tanzu Division, Broadcom

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Develop apps faster with built-in framework and simplified operations

- Central app logging
- Database binding
- Local dev environments (consistent with prod)
- Metrics (app & JVM) collection and dashboarding
- External services binding
- Network routing to services
- GenAI acceleration
- Service circuit breakers
- Authentication and authorization tokens
- Canary / blue-green deployments
- Mutual TLS enablement
- Single sign-on

Polyglot framework for rapid app development

- BUILD
- BIND
- DEPLOY
- SCALE

Simple operations to control deployments

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Develop apps faster with built-in framework and simplified operations

- Central app logging
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BUILD

BIND

DEPLOY

SCALE

spring®

Simple operations to control deployments

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Achieve resilience and efficiency with dynamic, no-code runtime

Application Space

- Framework
- Upgrades
- Dependencies
- Data services
- High availability
- Security
- Multi-region
- Encryption

Automated operations for containerized apps on VMs or Kubernetes, on any cloud

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VMware Cloud Foundation
+
Tanzu Platform

the fastest path to a complete private cloud

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Optimize security and speed with a self-healing system

Repave | Repair | Rotate

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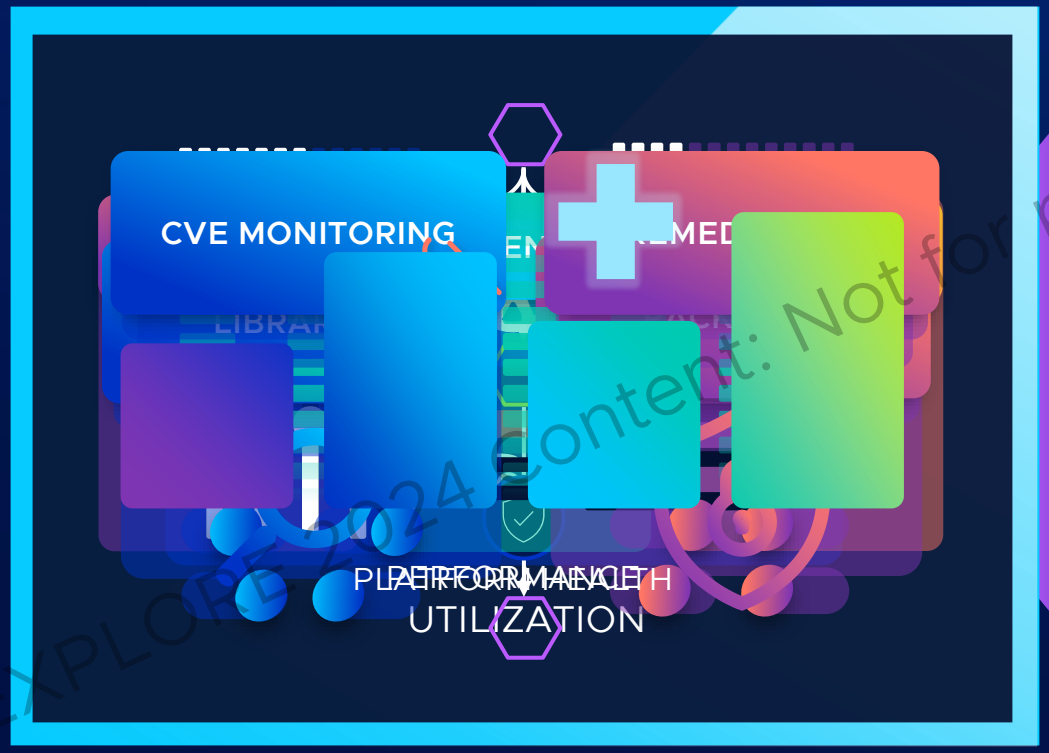
Fast resolution with visibility of apps across environments



- Business Application
- Platform Engineering
- IT Operations
- Security

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Tanzu Platform: Bringing it all together

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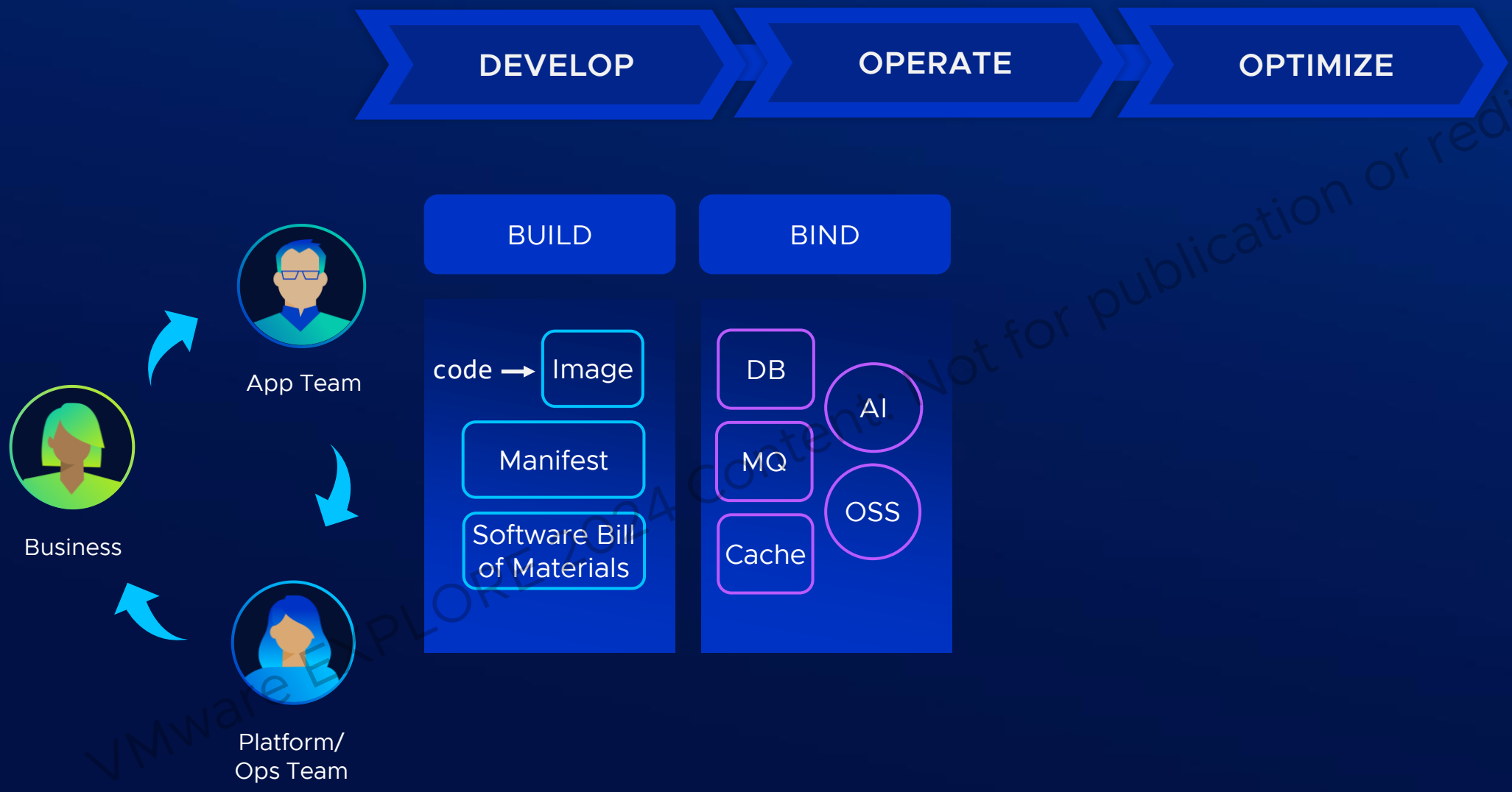
Tanzu Platform: Bringing it all together



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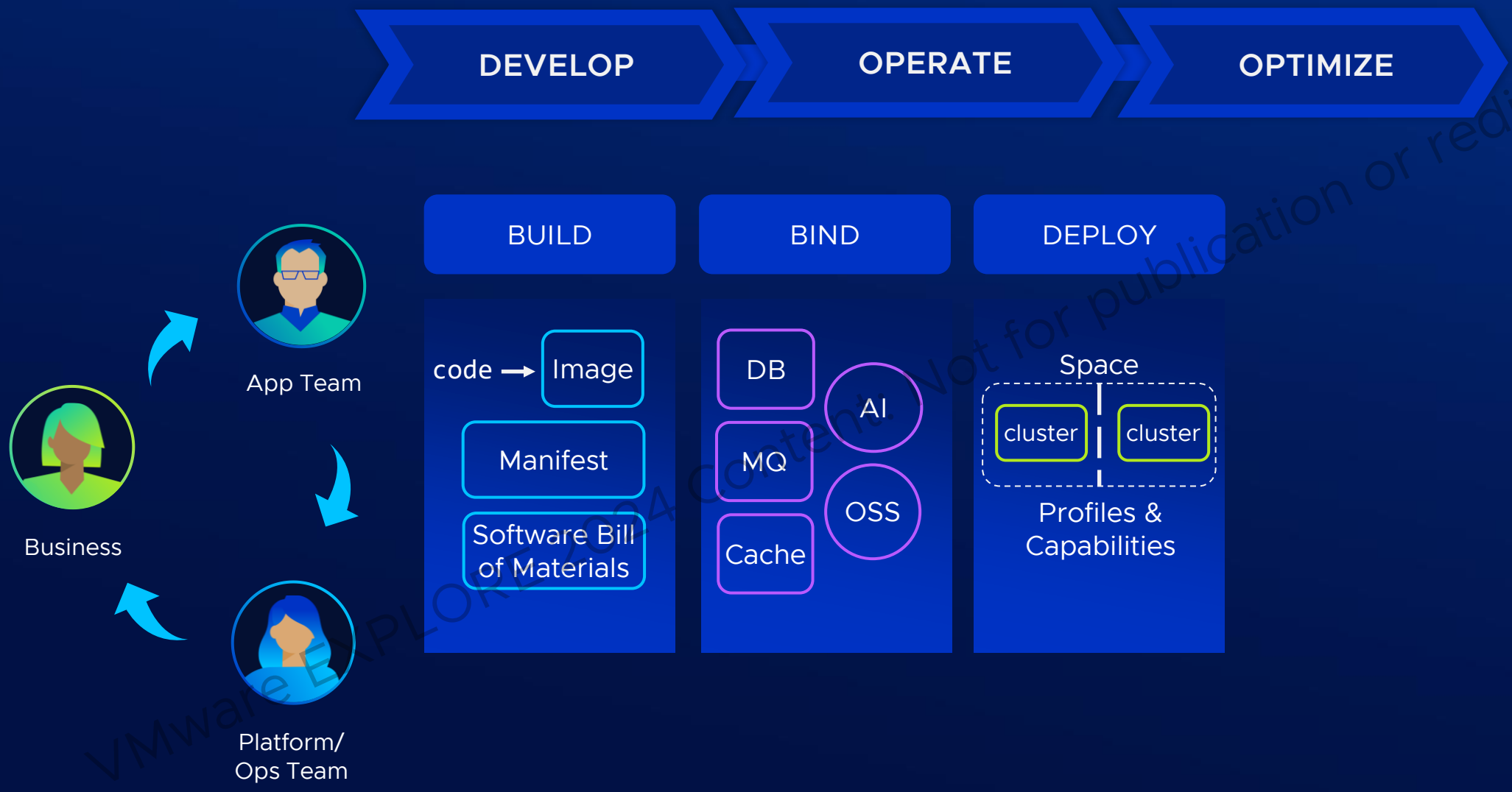
Tanzu Platform: Bringing it all together



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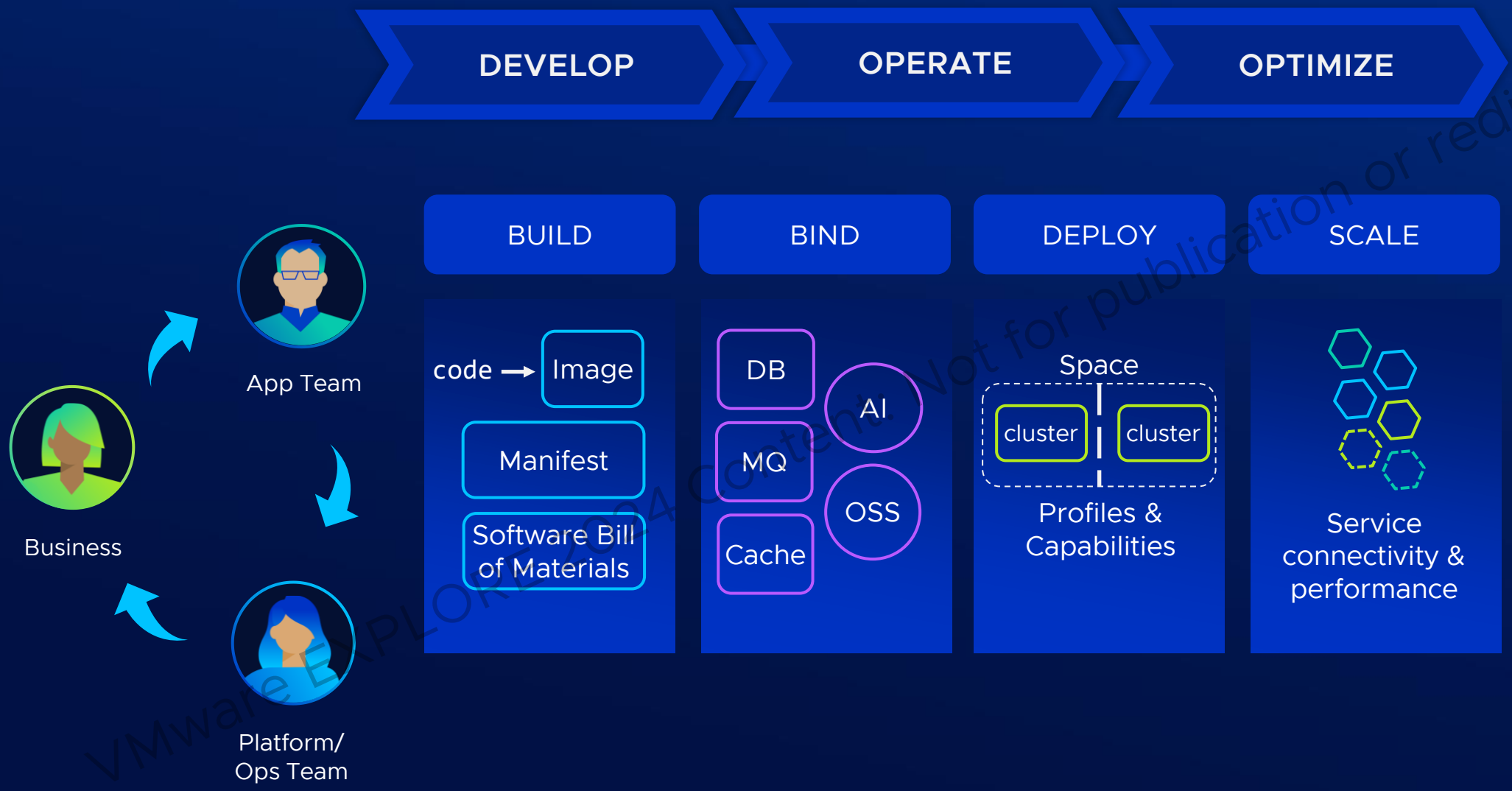
Tanzu Platform: Bringing it all together



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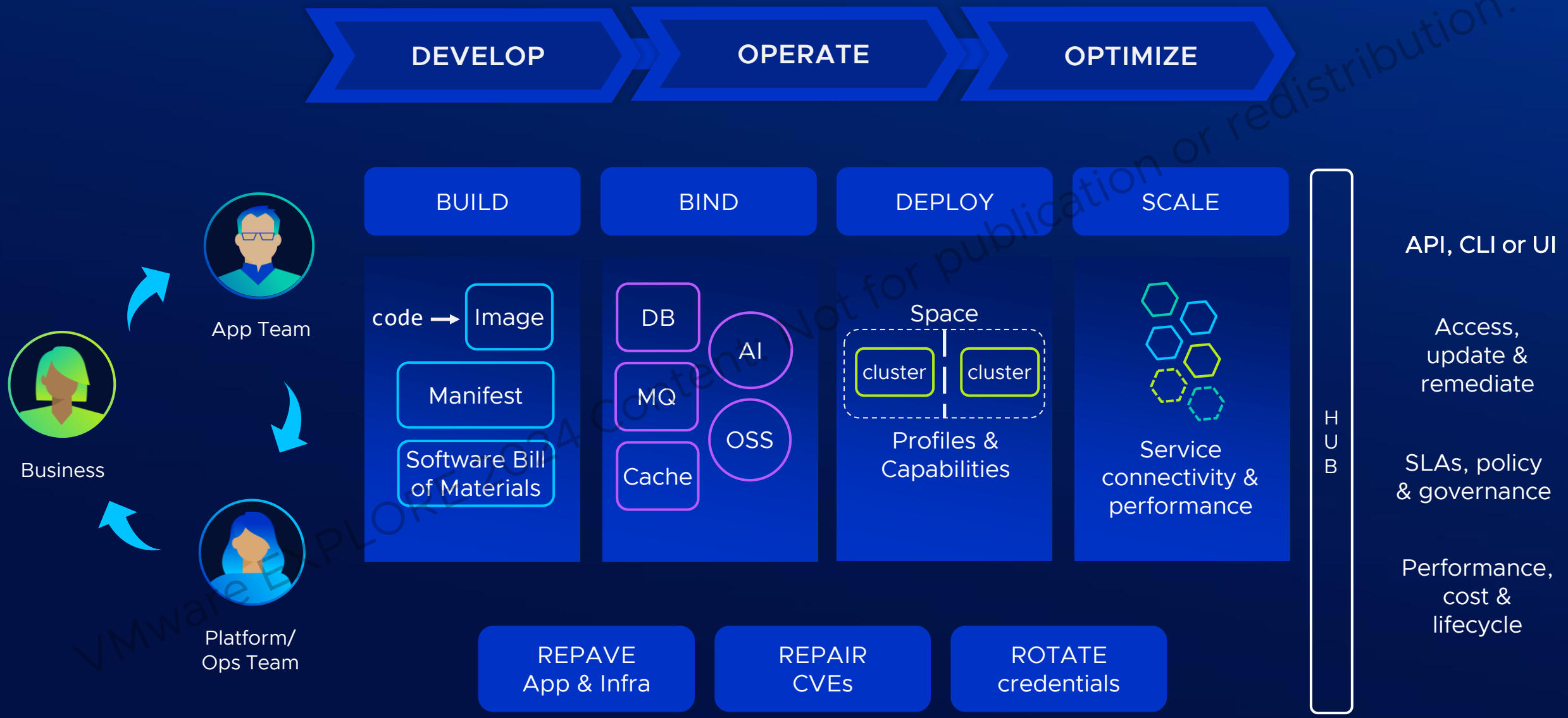

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Tanzu Customer Innovation

Featuring Fiserv

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Tim Cook

Senior Director,
Chief Infrastructure
Architecture Office, Fiserv

Burt Toma

Senior Director,
Product and Marketing,
Tanzu Division, Broadcom

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Leading in Fintech

Fiserv is a global technology leader enabling money movement for Financial Institutions, businesses and consumers

Business in more than 100 countries

Reaching nearly 100% of U.S. households

#1 in Merchant Acquiring

#1 in CORE Account Processing

#1 in Online Banking

#1 Zelle® Enabler

#1 in Issuer Processing

#1 in Mobile Banking

#1 Bill Payment Provider

#1 in Account-to-Account Transfers

FORTUNE WORLD'S MOST ADMIRED COMPANIES 2023

Forbes 2023 AMERICA'S BEST LARGE EMPLOYERS POWERED BY STATISTA

FORTUNE AMERICA'S MOST INNOVATIVE COMPANIES 2023 statista

CNBC WORLD'S TOP FINTECH COMPANIES 2023 statista

Bloomberg Gender-Equality Index 2023

TIME WORLD'S BEST COMPANIES 2023 statista

IDC FinTech Rankings 2023

#1 FinTech

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Platform Engineering | Mission & Platforms

Mission: Design and deploy best-in-class platform technology to maximize our developer and operations productivity and earn our client's trust through a robust, cost-effective, agile, and incredibly secure platform.

Private Cloud - orchestrated/automated on-prem consumption

Public Cloud - common infrastructure components across CSPs

Containers - on-/off-prem; CSP native and container platforms

Infrastructure-as-Code - Terraform Enterprise; Ansible infra exposed

Developer Experience - CICD & Secure Code Supply Chain tooling

Observability - logging, metrics, & infrastructure tools

AIOps & Automated Service Assurance

APIM - API Management, Monetization, & Gateways

Event Streaming - modern, scaled, inter-service comms

Cloud Services Catalog - Fiserv policy compliant modules

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Tanzu Deployment

Tanzu Application Service

- Largest cloud native containerized application platform at Fiserv
- **23** foundations deployed throughout the US and EMEA.
  - Over **18k** AIs, across **300+** applications
- Billions of mobile application payment transactions powered by Tanzu Application Service
- **99.999%** application & platform uptime achieved

Tanzu Kubernetes Grid Integrated

- First managed Kubernetes offering deployed at Fiserv
- **3** foundations with **~30** K8s clusters deploying **10k+** pods
- Critical revenue generating applications & over **100 million** banking users rely on TKGi for reliability
- Developed COVID-19 PPP loan processing app, from concept to production in under **8** days

Spring framework

- Spring used for many Fiserv systems including Connected Commerce & Commerce Hub, which automates and gives merchants access to offerings such as:
  - Order ahead
  - Text to Pay
  - Scan and Go
  - Connected car
  - Voice commerce
  - Delivery optimization
  - Digital Wallet Service

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Tanzu Innovation

What's new for VMware Tanzu

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VMware Tanzu® Platform 10

ANNOUNCING

- Simple Cloud Foundry developer experience extended to Kubernetes
- Exclusive Spring performance, governance & security remediation
- Support for every application type across common platform
- Unified visibility of apps across foundations, zones and regions

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VMware Tanzu® Platform 10

for VMware Cloud Foundation

ANNOUNCING

- Seamless install and configuration for VCF
- Air-gapped support for VCF environments
- Automated binding to VMware Private AI Foundation models
- Integrated global server load balancing with Avi Load Balancer

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VMware Tanzu® Platform 10

VMware Tanzu AI Solutions

ANNOUNCING

Speed GenAI app development with Spring AI framework

Secure and deliver self-service access to large language models

Monitor GenAI apps with built-in observability for improved accuracy and performance

Support on VMware Private AI Foundation with Nvidia LLMs

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Tanzu AI Design Partner Program

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Please take your survey.

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Thank You

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