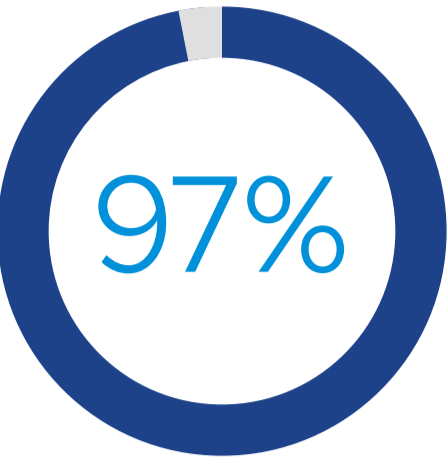


# Powering Modern Apps with Kubernetes on VMware Cloud Foundation



How do modern applications managed with Kubernetes drive business impact?



Organizations see business benefits: growth in market share and increased profits

Source: VMware Tanzu: The State of Kubernetes 2023

What are organizations saying about adopting Kubernetes?



91%

agree that Kubernetes has benefited their entire organization, not just IT

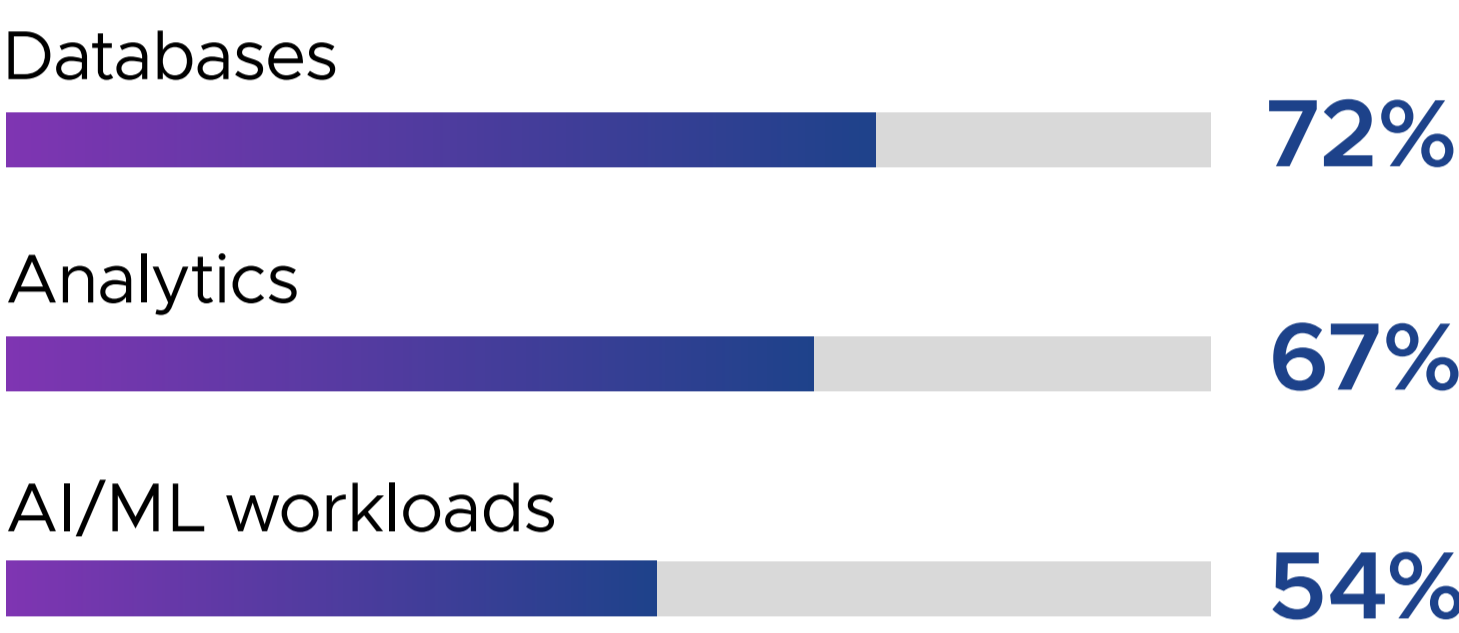


90%

agree that Kubernetes technology is transforming the way their business operates

## Critical Applications

databases, analytics, and AI/ML workloads are built on Kubernetes



Source: The Spectro Cloud 2024 State of Production Kubernetes

## Challenges



### Complex Operating Models

77% say it's complex to deploy Kubernetes



### Outdated Infrastructure creates Security Concerns

70% of organizations reported that their workloads were running on outdated infrastructure, exposing them to security risks



### High Cost of Operations

37% of organizations have found that over half of their workloads need to be right-sized



### Skill Gaps in Modern IT

32% lack skills and headcount to manage and support Kubernetes

Source: Kubernetes Adoption, Security, and Market Trends Report 2024



## Break the barriers with VMware Cloud Foundation

VMware Cloud Foundation delivers a single platform to run VMs and containers with built-in Kubernetes runtime to simplify operations, reduce costs, and elevate security.

## What VMware Cloud Foundation brings to your business



A single platform to run VMs and Kubernetes clusters



A fully upstream conformant Kubernetes distribution that is certified by Cloud Native Computing Foundation



Unified lifecycle management across infrastructure components for teams to leverage existing tools and skill set



A secure and compliant platform that meets data residency and data sovereignty requirements



Out of the box cloud services for quick deployment

## Achieve more with VMware Cloud Foundation 9.0

- **Unified API** to provision and manage VMs and containers
- **Self-service access** with built-in governance and policy control
- **Independently upgradeable** vSphere Supervisor for greater flexibility
- **Streamlines Kubernetes** operations with VKS Cluster Management
- **Easy integration** of Windows-based Kubernetes workloads
- **Custom zones** for resource optimization
- **Auto-scaling** up from zero and down to zero for maximum efficiency



With VMware Cloud Foundation, IT teams are empowered to seamlessly manage a diverse range of workloads on a single, unified platform. To learn more about how VMware Cloud Foundation solves your modern application challenges, please check out:

[VMware Cloud Foundation website](#)