

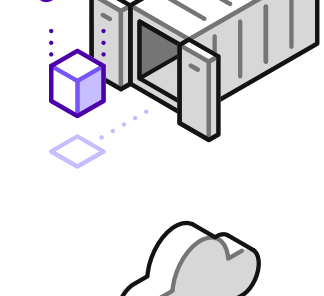
# Top Reasons To Use Nutanix Cloud Platform for Kubernetes

Cloud-native technologies empower organizations to build and run scalable applications in dynamic, hybrid multicloud environments. But there are a few things to consider as you map out your cloud-native journey.

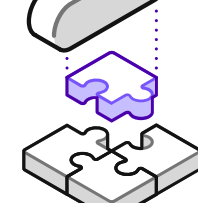


## The Building Blocks of a Cloud-Native Enterprise

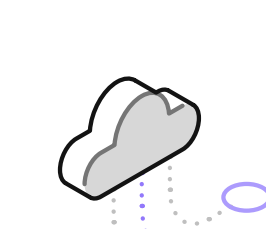
**Kubernetes, containers and cloud-native technologies** are the key components of today's digital world. Together, they enable you to build and deploy applications in innovative and efficient new ways.



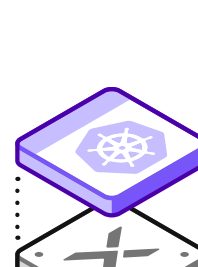
**Containers Are the Building Blocks of Cloud-Native Software**  
A container consists of code packaged with its dependencies so it can run as a standalone process. Containers enable software to be developed as collections of interrelated components that can run without modification on any cloud or on-premises.



**Cloud-Native Applications**  
Cloud-native applications are architected as sets of microservices packaged in containers and running on Kubernetes.



**Nutanix Lets You Run Your Preferred Kubernetes**  
Nutanix gives you the freedom to choose your preferred Kubernetes distribution and the flexibility to run it on any infrastructure. Native Kubernetes is built-in and we support additional popular platforms like SUSE Rancher, AWS EKS-A, Red Hat Openshift, and Azure Arc-enabled Kubernetes.



**Nutanix Cloud Platform is Ideal for Kubernetes**  
Built on our industry-leading hyperconverged infrastructure, Nutanix Cloud Platform is designed to handle the rapidly changing resource demands of Kubernetes and containerized applications at scale.

## Legacy Infrastructure Limits Cloud-Native Productivity

**Legacy systems** are a barrier to multicloud and cloud-native operations. They don't scale in lockstep with developers' resource needs and require constant maintenance and management that can hold IT back.



of IT teams use multiple IT infrastructures, including private and public clouds and on-premises and hosted datacenters.\*



of organizations say they'd benefit from having a single place to manage applications and data across diverse environments.\*

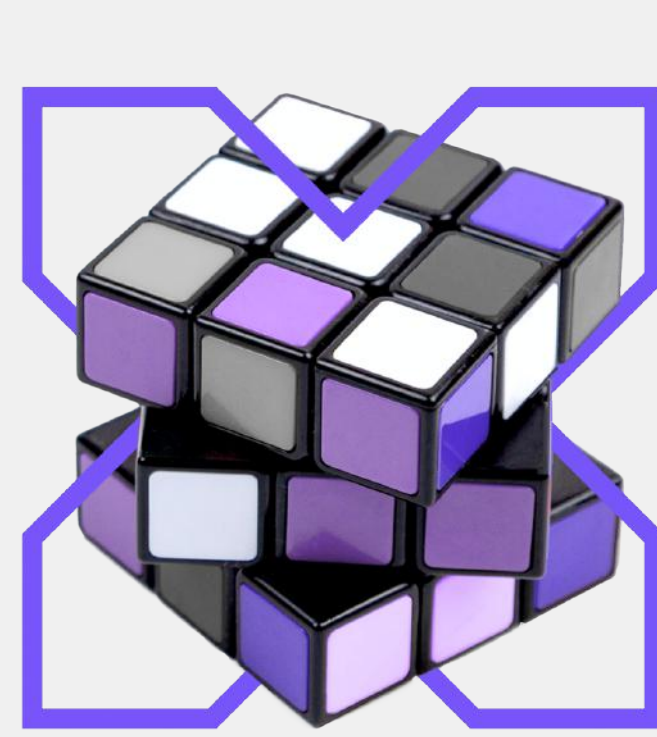
\* Vanson Bourne, 5th Annual Nutanix Enterprise Cloud Index, 2023

## Building a Production-Grade Kubernetes Environment Is Challenging

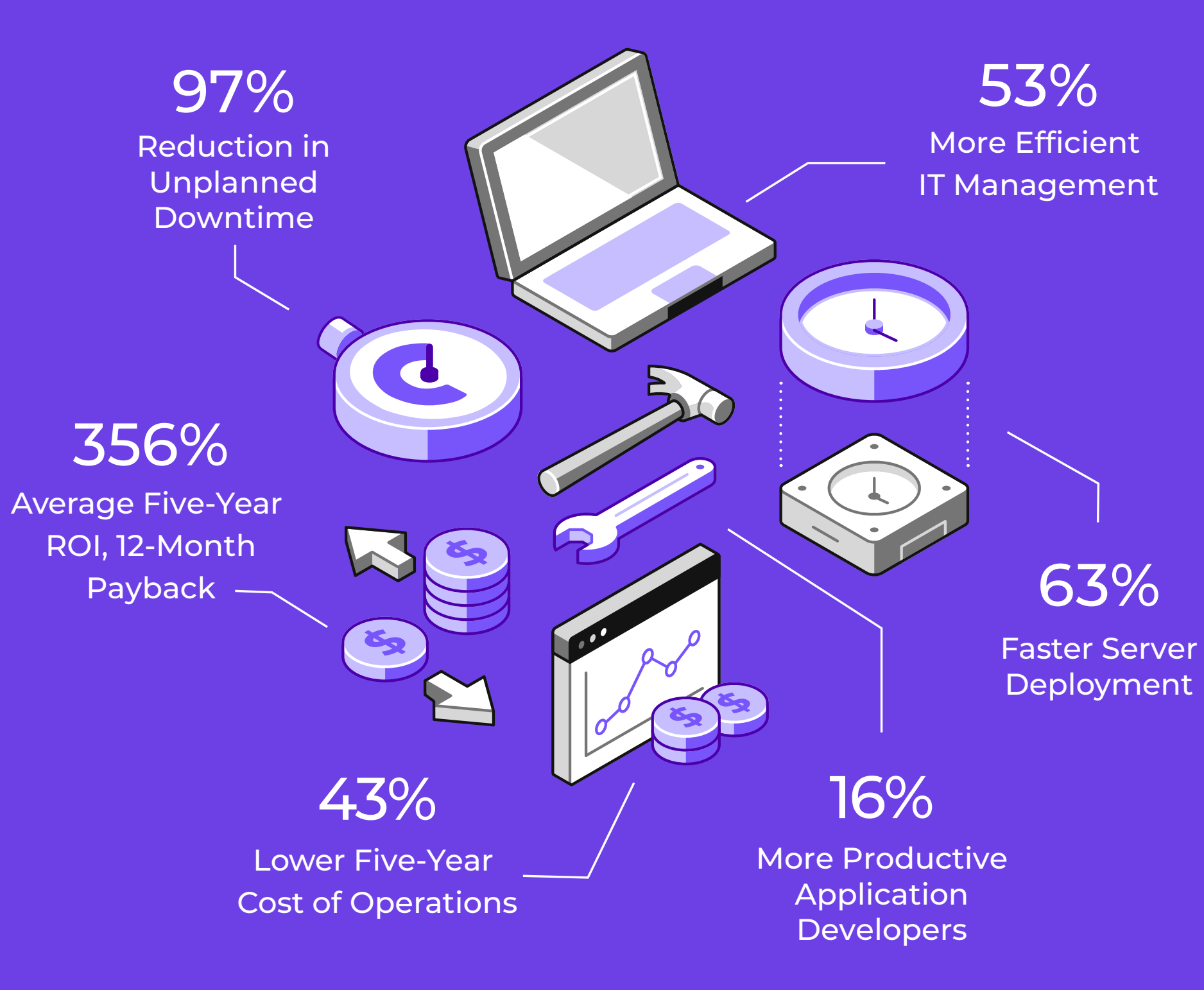
**Kubernetes Is Complex and Evolving Quickly**  
Kubernetes and the ecosystem of cloud-native technologies are changing rapidly. With expertise in short supply, organizations need a platform that can eliminate complexity.

**Legacy Infrastructure Isn't Built to Handle Kubernetes**  
A highly dynamic distributed system like Kubernetes needs compute, storage, and networking resources that scale and adapt to the way it operates.

**Organizations Struggle to Optimize Hybrid Multicloud Usage**  
Without the right tools and infrastructure, running cloud-native applications in hybrid multicloud environments leads to increased management and overhead costs.



## 6 Benefits of Hyperconverged Infrastructure (HCI) for Kubernetes<sup>1</sup>



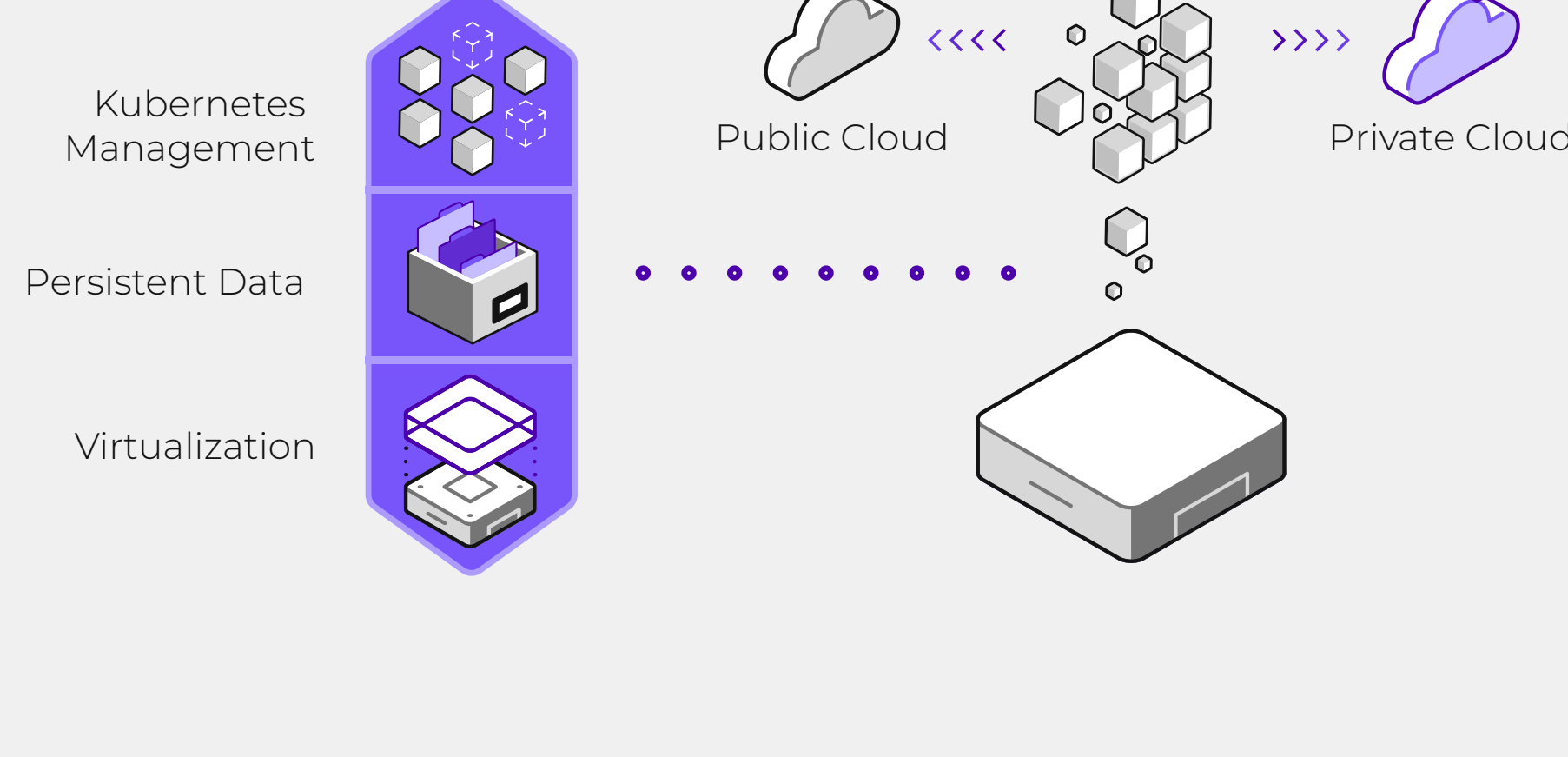
<sup>1</sup> Among organizations using Nutanix Enterprise Cloud. IDC, The Business Value of Nutanix Cloud Platform, Oct. 2022

## Why Nutanix?

Nutanix's Cloud Platform is **ideal for Kubernetes and cloud native workloads** at scale.

With Nutanix, you can build an efficient, hybrid multicloud **Kubernetes stack**, including integrated persistent storage and application-aware data services.

Choose your preferred Kubernetes distribution to facilitate your cloud-native journey, including the ability to extend your favorite public cloud Kubernetes platforms and services to your own datacenters.



Ready to See Where Nutanix Cloud Platform Can Take You?

Take a Test Drive

