

# 5 BENEFITS OF USING HYPERCONVERGED INFRASTRUCTURE FOR KUBERNETES

Organizations that are setting their sights on improving business agility, scalability, and speed to market are rushing to adopt cloud native technologies. But there are a few things they should consider as they map out their on-prem cloud native journeys.

## ▶ The building blocks of a cloud native enterprise

**Kubernetes, containers, and cloud native technologies** are the key components of digital transformation. Together, they enable companies to build and deploy applications in innovative and efficient new ways.

[Click below to learn more](#)



## ▶ Legacy datacenter infrastructure limits cloud native productivity

**Legacy systems are a barrier** to realizing the full benefits of going “cloud native.” Traditional systems don’t scale in lockstep with developers’ resource needs, and because they require heavy maintenance and expansion planning, they often hold IT operations back from bigger priorities.

**79%** of IT leaders invest in private cloud.<sup>1</sup>

**53%** of organizations running containers are doing so in hybrid mode.<sup>2</sup>

## ▶ Building a production-grade Kubernetes environment on-prem is challenging

### Kubernetes is complex and evolves quickly

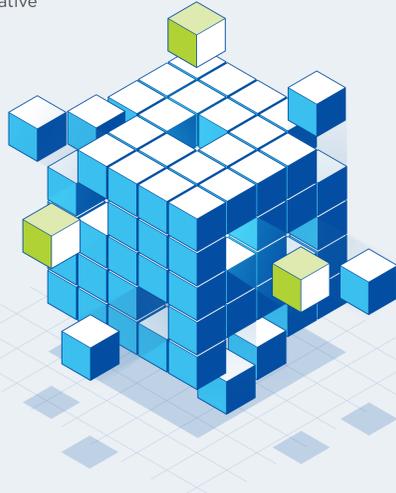
Kubernetes and its growing ecosystem of cloud native technologies are evolving quickly, and hands-on technical expertise is in short supply.

### Legacy infrastructure isn’t built for Kubernetes

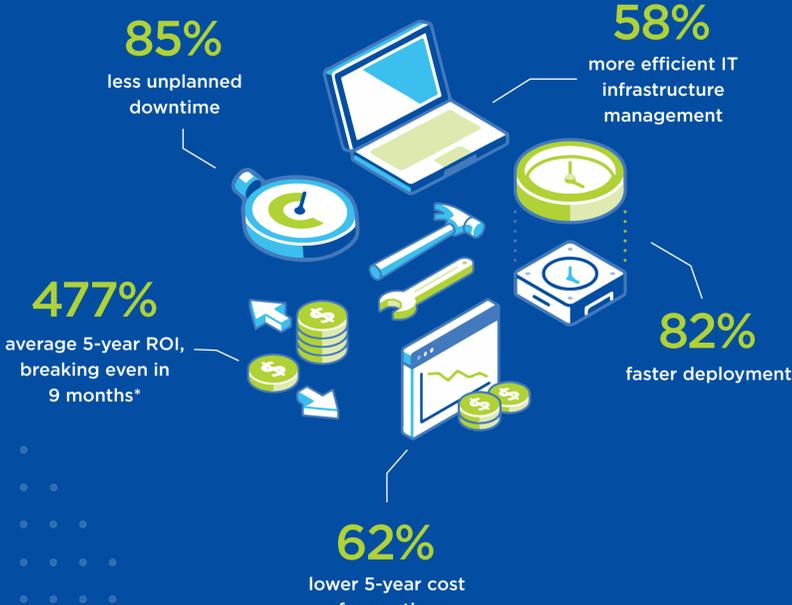
As a highly dynamic distributed system, Kubernetes needs compute, storage, and networking resources that adapt to the way it operates.

### Organizations struggle to optimize their hybrid- and multi-cloud usage

Without the right tools and infrastructure, running cloud native applications in hybrid- or multi-cloud Kubernetes environments can lead to increased management and overhead costs.



## ▶ 5 benefits of hyperconverged infrastructure (HCI) for on-prem Kubernetes<sup>3</sup>



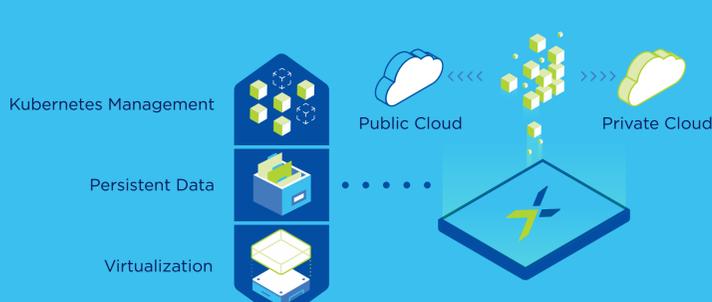
\* Among organizations using Nutanix Enterprise Cloud.

## ▶ Why Nutanix?

Nutanix’s industry-leading HCI is **ideal for Kubernetes and cloud native workloads** at scale.

With Nutanix, you can easily build the foundation of an **on-prem Kubernetes stack** that includes integrated persistent storage and simplified Kubernetes lifecycle management.

And when it comes time to expand to **hybrid-cloud operation**, Nutanix is certified for extending your favorite public cloud Kubernetes platforms and services to your own datacenter.



## ▶ Ready to see where Nutanix can take you?

Take a Test Drive [→](#)

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1 - Nutanix, Ultimate IT Stats Guide 2020.

2 - "Survey Reveals Rapid Growth in Kubernetes Usage, Security Still a Concern" DZone, Aug. 2019.

3 - IDC, Sponsored by Nutanix, Organizations Leverage Nutanix Enterprise Cloud as Scalable, High-Performing, and Cost-Effective Infrastructure Foundation, Jan. 2020.