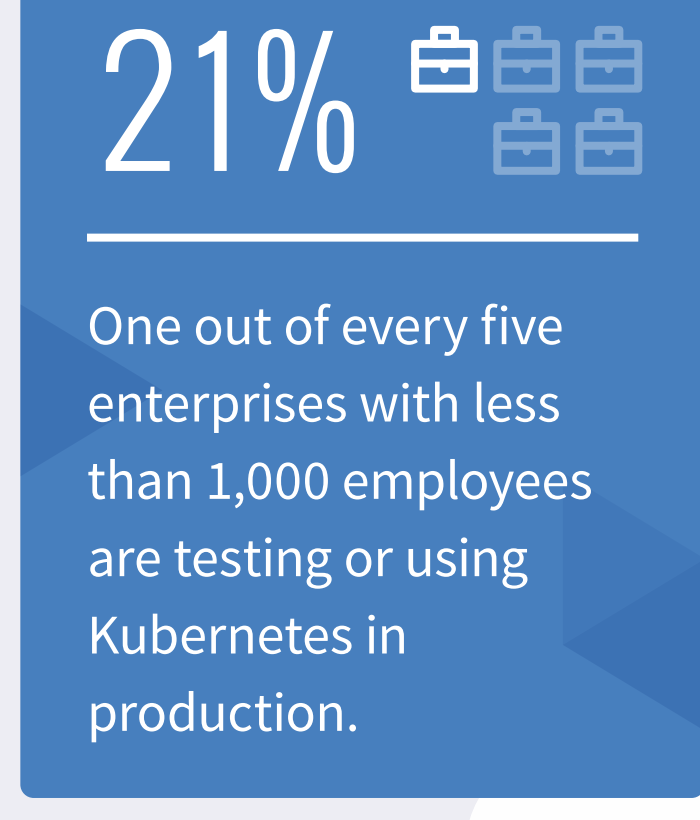


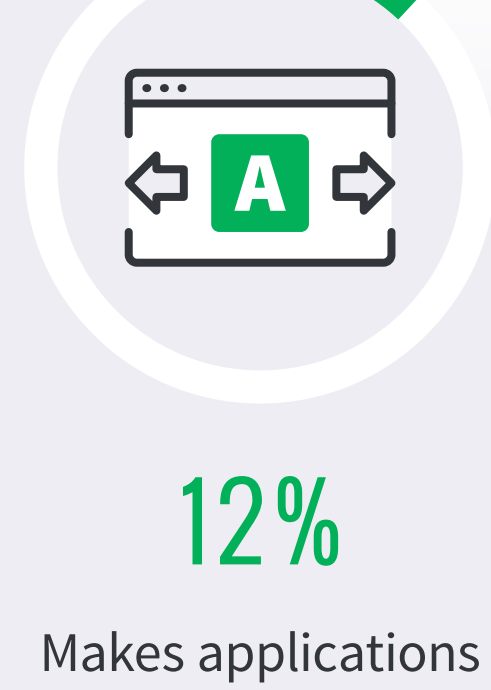
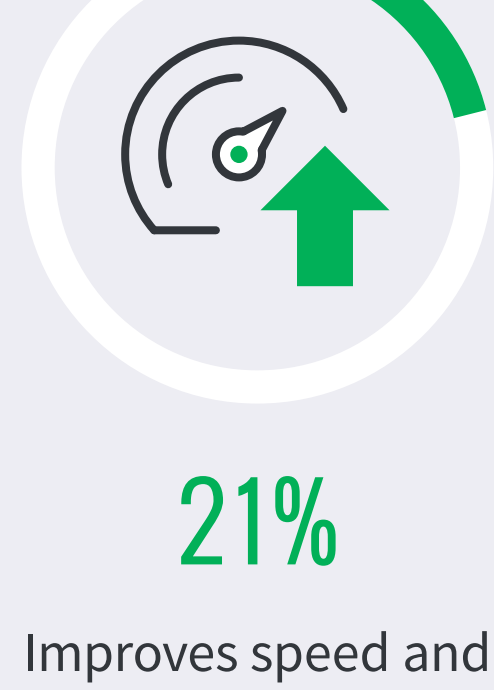
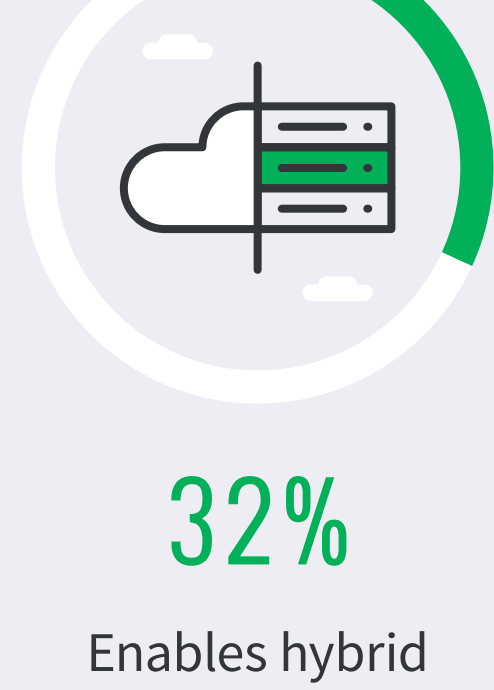
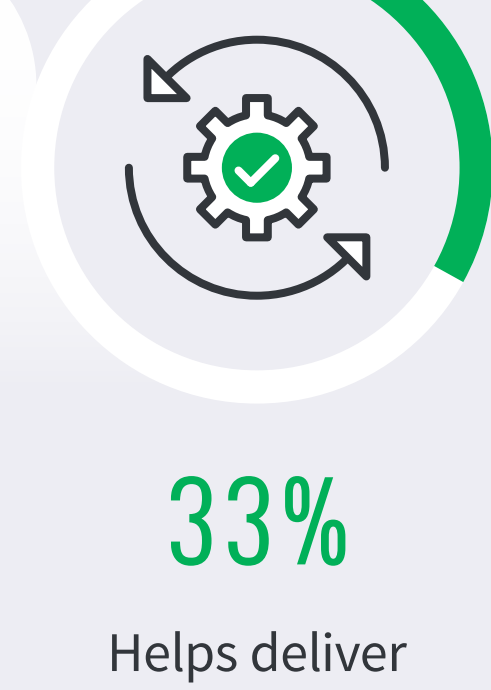
Kubernetes Simplified: Removing Complexity from Container Orchestration

As more companies strive to run applications at scale and achieve operations efficiency, there's increasing potential to streamline development, improve productivity, and make application deployments more stable with **open source container orchestration**.



Top Priorities for Container Usage

Developers turn to Kubernetes to unlock the full potential of containers. When surveyed, developers indicated they want a container-orchestration system that:



Challenges with Complexity

Because Kubernetes is open source and deeply parametrized, it introduced challenges as cloud providers attempted to simplify it.

Organizations should take a realistic view of the business requirements that demand containerization of production workloads. It's crucial that IT leaders evaluate whether they have the right skill sets to forge ahead, given the steep learning curve.

Gartner analyst Arun Chandrasekaran in "Best Practices for Running Containers and Kubernetes in Production"

There are no shortages of Kubernetes management platforms developed to be the first to market and little more.

These products focused on complex implementations that are obtuse, abstract, and difficult to grasp. Today, there's an ecosystem of management platforms designed to simplify Kubernetes, but many of them aren't simple at all.

A product like GKE is complicated because it does a lot more, some of it which we don't need. Understanding all the integrations, and deciding what is not worth using, takes time and effort.

Gerhard Lazus, Site Reliability Engineer, Changelog Media

38%

More than one-third of software architects, DevOps managers, and back-end developers cite container implementation complexity as a top concern.

Amazon Elastic Kubernetes Service (EKS) and Google Kubernetes Engine (GKE) have so many specialized features that they're known to do little to make Kubernetes implementation simpler.

Developers often find themselves so overwhelmed by what's possible that they have trouble identifying what they need their Kubernetes orchestration to do.

Top Challenges Using/Deploying Containers



Building a cluster could easily take months. Leveraging a managed cloud service is an excellent shortcut to start developing your platform from a strong and proven foundation.

Daniele Polencic, Managing Director and Instructor, Learnk8s

Making Kubernetes Simple, Affordable, and Accessible

Linode Kubernetes Engine (LKE) is a fully-managed container orchestration engine for deploying and managing containerized applications and workloads, solving the complexity inherent in existing container solutions.

LKE combines Linode's ease of use and simple pricing with the infrastructure efficiency of Kubernetes.

Certified as part of the CNCF Certified Kubernetes Conformance Program, LKE workloads conform to portability standards, providing ongoing access to the latest updates and features.

I honestly think Linode Kubernetes Engine might be the simplest hosted Kubernetes I've ever used.

Nigel Poulton, Linux & Kubernetes Author, Trainer



Click-Button Launch

Engage compute power for as little as an hour—or persistently for months on end—which is often cheaper than purchasing and maintaining hardware on-premise.



Scale to Meet Demand

Kubernetes Horizontal Pod Scaling scales instances in real time to meet changing demands and effortlessly matches resources with workloads.



No Management Fees

Enjoy the power of Kubernetes without breaking the bank. Never pay a penny for a cluster's master services.



Deploy Popular Apps

Harness the open source ecosystem of Kubernetes tooling with support of Rancher, Helm, Operators, and more.



Bundled Services

Each LKE cluster comes with a complimentary Kubernetes control plane, including API, scheduler, etcd, and resource controllers.

Linode raised the bar for us. With LKE, we can declare more of our dependencies via this single API that the entire industry is converging on. It's a real game-changer.

Gerhard Lazus, Site Reliability Engineer, Changelog Media

Read more about how "Simplicity, Support, and Openness Led Changelog to Linode Kubernetes Engine" in the Craft of Code feature at

linode.com/spotlight/changelog

linode.com/business | sales@linode.com

Sources: 451 Research | Cloud Native Computing Foundation | Gartner | IDC | IDG

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