



# Taming the Beast: Overcoming Cloud-Native Complexity



Delivers consistent, highly automated,  
and secure user experience across 2,200  
locations ... even amidst natural disasters





Transforms ideas into mass production  
80 percent faster with 75 percent less  
management burden

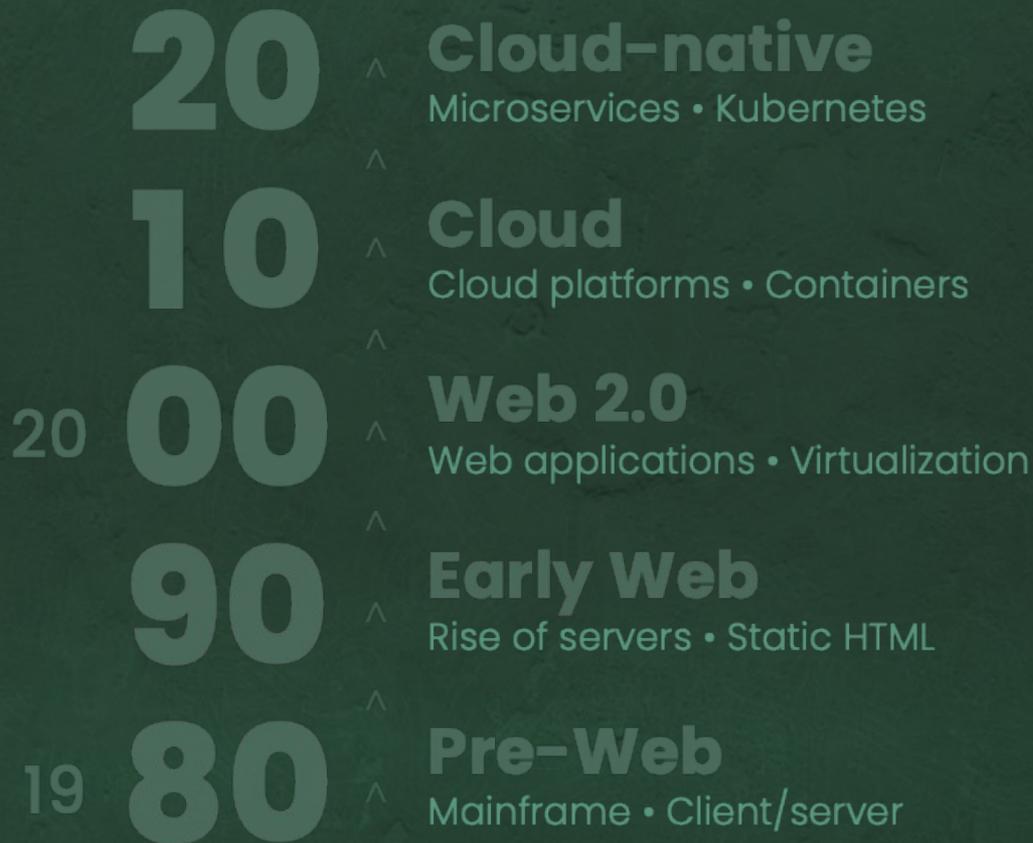




Sharpens its competitive edge with cloud-ready apps  
to transform from a legacy bank into a secure  
platform-banking institution of the future



# How did we get here?





# Cloud-native advantages

## Agility and Speed

- Rapid development and portability
- Flexible scaling and infrastructure

## Resilience and Reliability

- High availability
- Fault tolerance

## Efficiency and Cost Optimization

- Improved resource utilization
- Reduced infrastructure costs



# TODAY

**95%** of new digital workloads are deployed on cloud-native platforms <sup>1</sup>

**90%** of cloud-native deployments rely on containers for modern applications <sup>2</sup>

**91%** of production containerized applications are orchestrated by Kubernetes <sup>3</sup>



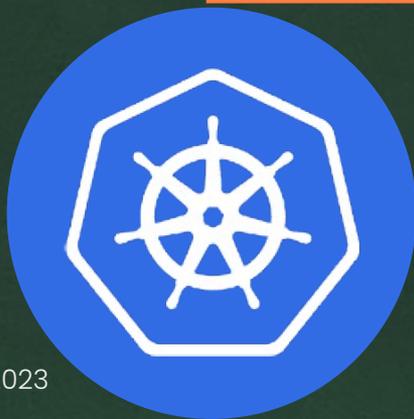


# Kubernetes adoption is accelerating

*Kubernetes has become the operating system of the cloud*



2022



2023

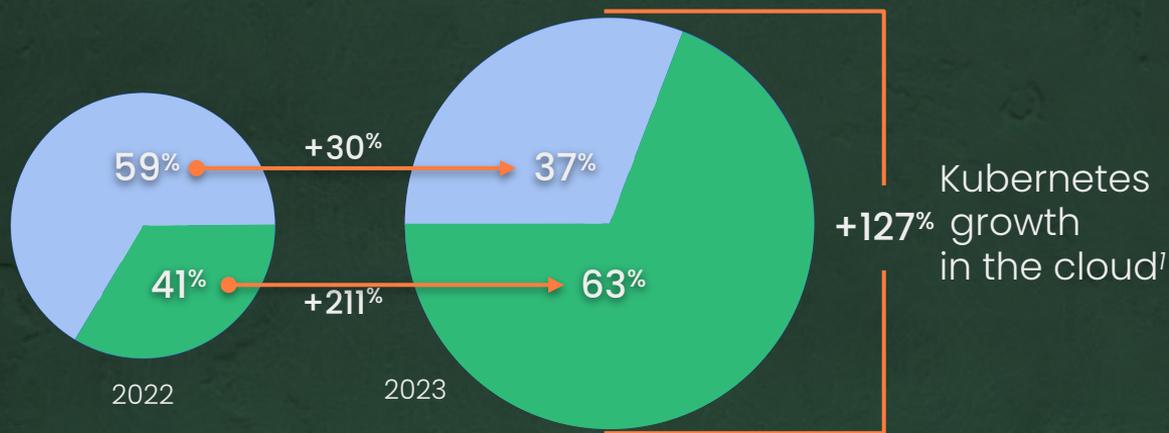
+127% growth  
in the cloud<sup>1</sup>





# Kubernetes adoption is accelerating

*Kubernetes has become the operating system of the cloud*



## Top Adopters (by industry)<sup>2</sup>

1. Financial Services
2. Retail / E-commerce
3. Telecommunications
4. Manufacturing
5. Healthcare
6. Media / Entertainment
7. Travel / Hospitality
8. Public Sector

■ Application workloads

■ Auxiliary workloads (security, service mesh, monitoring, etc.)



I NEED TO KNOW WHY MOVING  
OUR APP TO THE CLOUD DIDN'T  
AUTOMATICALLY SOLVE ALL OUR  
PROBLEMS.



YOU WOULDN'T  
LET ME RE-  
ARCHITECT THE  
APP TO BE  
CLOUD-NATIVE.

JUST PUT IT  
IN  
CONTAINERS.

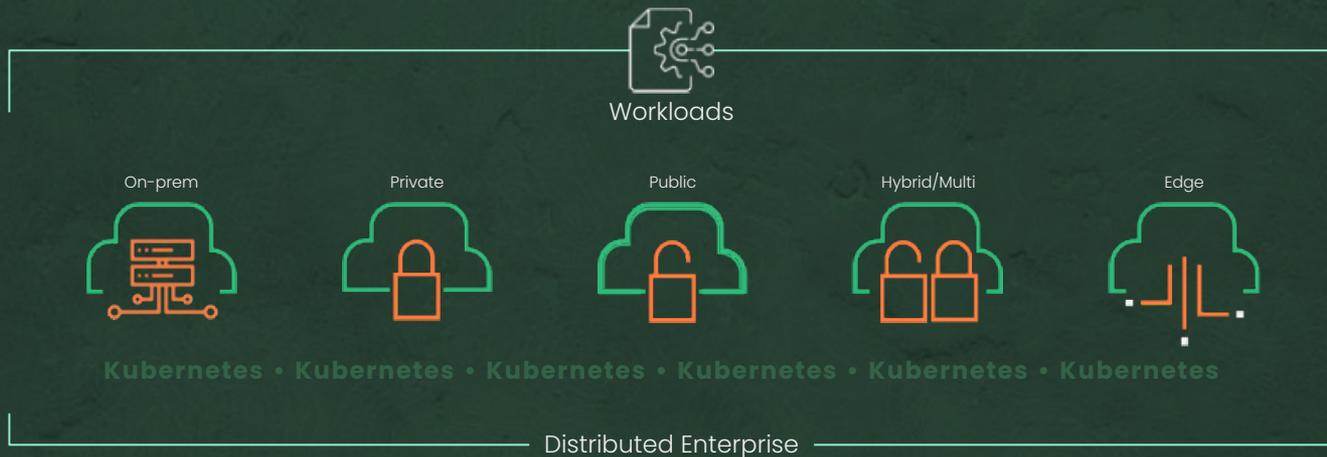


YOU CAN'T  
SOLVE A  
PROBLEM JUST  
BY SAYING  
TECHY THINGS.

KUBERNETES.



# Cloud-Native $\neq$ Public Cloud





# Navigating Kubernetes Challenges

Organizational

Technological

Operational

Stakeholder divide

Skills shortage

Complexity

Developer productivity

Scalability

Security





# Navigating Kubernetes Challenges

*Overcoming*

**Strategy**

Establish clear objectives for cloud-native that align with stakeholder expectations

**People**

Invest in people, skill enhancements, and knowledge sharing across communities

**Tools**

Choose the right tools for security, consistency, and pan-cloud portability





Delivers consistent, highly automated, and secure user experience across 2,200 locations ... even amidst natural disasters

---

K3s Lightweight Kubernetes

**Managing a platform in K3s allows us to rest easy** that we'll be available even in disconnected scenarios, ensuring workloads are running smoothly. Further, standalone mode allows us to build immutable, on demand QA clusters for our developers.

---

Rancher Prime

**Rancher Prime simplifies our multi-cluster operations and security** challenges with a centralized console for provisioning, diagnostics, audits, monitoring, and alerts.

---

Zachary Hardin, Home Depot





Transforms ideas into mass production 80 percent faster with 75 percent less management burden

---

Kubernetes

*"The groundwork has been done and, in the process, we have stripped away a multitude of inefficient processes. Not only has this already transformed our working lives, but **Kubernetes is also guiding the way toward true operational change in manufacturing.**"*

---

Rancher Prime

*"A major driver for working with SUSE Rancher is to create an agile application framework for manufacturing that allows us to keep pace with technological developments. **By creating a cloud-native architecture, we're eradicating old-fashioned practices to make us more innovative.**"*

---

*Roland Paxián, Continental AG*



Sharpens its competitive edge with containerized, cloud-ready apps to transform from a legacy bank into a secure platform-banking institution of the future

---

NeuVector Prime

*"Adhering to DORA's<sup>1</sup> evolving standards is crucial. NeuVector Prime's **advanced cybersecurity capabilities** will be instrumental in aligning our processes with these new regulations, ensuring our proactive preparedness ..."*

---

Rancher Prime

*"**What used to take days now only takes minutes**, thanks to our automated CI/CD processes and Rancher Prime's efficient platform."*

---

*Tim Westphal, Oldenburgische Landesbank*



# SUSE Values for Cloud-Native Success



## Insights *and* Best Practices

### Continuity *and* Consistency

Consistent experience across the continuum of data center, cloud, and edge at any scale

### Agility *and* Efficiency

Build and deliver innovative applications faster and optimize cloud infrastructure spend

### Security *and* Velocity

Cloud-Native design that tailors for proactive safeguards from pipeline to production





# Thank you

---

Rancher • NeuVector • K3s • RKE • SUSE Manager • SUSE Linux Enterprise Micro • SUSE Linux Enterprise Server • SUSE Liberty Linux

