PORTAINER.iO

Whitepaper

# FROM CPU TO CLOUD

## Enterprise Kubernetes, Simplified

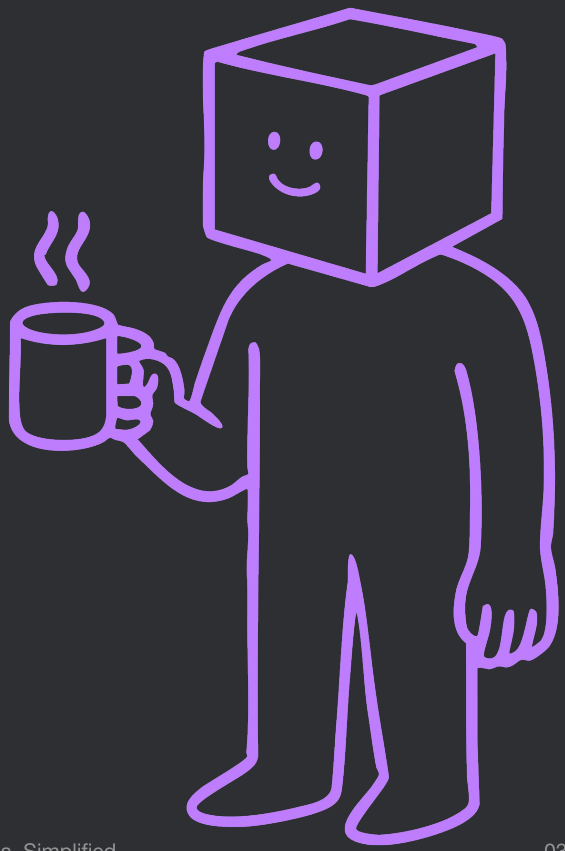
20.10.25

# Managing Kubernetes environments at enterprise scale shouldn’t require an army of experts.

Portainer provides a fully integrated, multi-cluster Kubernetes platform, delivering everything from bare-metal cluster provisioning to containerized application management, all through a single, lightweight, enterprise ready solution.

Deploy across on-premises, cloud, and edge environments with confidence. From infrastructure provisioning to workload orchestration, Portainer ensures your Kubernetes environments are secure, scalable, and easy to operate, no matter how distributed they are.

# ENTERPRISE KUBERNETES WITHOUT THE OVERHEAD



# RUN KUBERNETES WITHOUT A KUBERNETES TEAM

Kubernetes should enable innovation, not stall it. Portainer makes it easy for enterprises to **deploy, manage, and scale Kubernetes environments without the need for a specialized DevOps team.**

- **Lower TCO -** Reduce reliance on expensive Kubernetes specialists.
- **Accelerate Deployment -** Provision and manage clusters in minutes, not weeks.
- **Remove the 'Hero' Risk -** Your Kubernetes operations shouldn't depend on a single internal expert.

"We don't have Kubernetes specialists, and our team is learning on the job, slowing down adoption."

**Not anymore. Portainer provides a complete, streamlined Kubernetes platform that just works, across all your environments.**

# MULTI-CLOUD, HYBRID & ON-PREM, UNIFIED

Your workloads span multiple environments; Portainer provides full-stack Kubernetes control across every deployment model.

- **End-to-end Kubernetes provisioning -** From bare-metal clusters to workload management, everything is handled seamlessly.
- **Works with your existing investments -** Deploy across AWS, Azure, GCP, private data centers, and edge environments.
- **Multi-cluster, multi-environment support -** A single control plane for managing fleets of Kubernetes environments across distributed infrastructures.

"Our applications run across multiple clouds and on-prem, and we need a unified way to manage them."

**That's exactly what Portainer provides; full lifecycle control, from provisioning to workload management, across every cluster.**

# ENTERPRISE-GRADE SECURITY & COMPLIANCE

Security and compliance shouldn't be an afterthought - they should be built-in at every layer, from infrastructure to workloads.

- **Granular RBAC -** Ensure the right teams have the right access across all environments.
- **Audit Logging -** Maintain compliance with internal and external policies across multi-cluster deployments.
- **Self-hosted & Air-Gapped Support -** Ideal for industries with strict data sovereignty or security mandates

"We need to centrally enforce security policies and maintain compliance across all our Kubernetes clusters."

**Portainer delivers enterprise grade security without slowing innovation.**

# FROM CPU TO CLUSTERS TO APPLICATIONS; NO MORE DIY KUBERNETES HEADACHES

Some enterprises attempt to build their own Kubernetes stack, until they realize the cost and complexity. **Portainer provides a complete, integrated solution, removing the need for custom-built platforms across multicluster environments.**

- **High DIY Costs -** Engineering hours spent reinventing the wheel = wasted time.
- **Integrated Infrastructure Provisioning -** Deploy bare-metal Kubernetes clusters seamlessly alongside workload management.
- **Eliminate platform lock-in -** Avoid getting stuck with a bespoke solution that only your engineers understand.

> "We built our own Kubernetes management platform, but it's become a monster."
>
> **Portainer gives you everything you need, without the technical baggage.**

# BUILT FOR SCALE & IT OPERATIONS

Whether you're managing a handful of clusters or thousands of containerized workloads, **Portainer scales alongside your business.**

- **Fleet Management -** Deploy and manage thousands of workloads across distributed Kubernetes environments.
- **Optimized UI & API -** Designed for IT operations teams managing large scale, multi-cluster infrastructures.
- **Reduce Operational Costs -** Lower your total cost of ownership by eliminating unnecessary overhead.

"We need an enterprise-grade solution that scales with our global IT operations."

**That's exactly what Portainer was designed for.**

# ENTERPRISE-GRADE SUPPORT & TECHNICAL ACCOUNT MANAGEMENT

Kubernetes is business-critical, and we treat it that way. **Portainer's enterprise support ensures your environments stay operational, secure, and optimized - no matter how complex your infrastructure.**

- **Standard Support -** 9×5xNBD (Next Business Day) SLA.
- **Enhanced Support -** 24×7×4 SLA for enterprises needing round-the clock coverage.
- **Managed Services SLA -** 1 hour response time available for mission critical environments.
- **Enhanced Onboarding -** Dedicated onboarding assistance to ensure smooth deployment.
- **Technical Account Managers -** Enterprise customers are assigned a dedicated point of contact for consistent, high-touch support.

"We need enterprise-grade support to ensure Kubernetes reliability."

**With Portainer, you get responsive SLAs, technical expertise, and a dedicated team invested in your success.**

# TOTAL COST OF OWNERSHIP & ROI

Kubernetes is powerful, but without the right tools, enterprises end up paying for it in time, resources, and risk. **Portainer delivers immediate ROI by reducing costs, improving team efficiency, and eliminating technical debt across all your Kubernetes environments**

- **Cut Infrastructure Costs -** Optimize bare-metal deployments, reducing cloud spend.
- **Save Engineering Hours -** Reduce operational burden by simplifying cluster provisioning and workload management.
- **Mitigate Risk -** Eliminate the 'Hero Syndrome,' ensuring your Kubernetes platform doesn't depend on a single expert.

"We need a container management solution that makes business sense."

**Portainer reduces cost, risk, and time-to-value-so you can focus on innovation, not firefighting.**

# OUR COMMITMENT TO CYBERSECURITY

At Portainer, we take cybersecurity seriously. To ensure we maintain the highest security standards, we use **CyberVadis**, a trusted cybersecurity risk assessment platform.

CyberVadis provides an independent, thorough evaluation of our security practices, helping us identify and mitigate potential risks before they become threats. By leveraging this assessment, we continuously strengthen our security posture, protect customer data, and comply with industry best practices.

> "We need to work with a software provider that takes cybersecurity risk seriously."
>
> **Our commitment to cybersecurity means you can trust that your data and interactions with us remain secure.**

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