

How Netsons Built a Managed Kubernetes Service on OpenStack with Clastix Kamaji

**Hyperscaler-Grade KaaS for 200,000+
Customers – Built In-House on Open Source**

New Cluster in 5 Minutes: Netsons Delivers Hyperscaler-Grade KaaS on OpenStack

COMPANY SUMMARY

- **Company name:** Netsons S.r.l.
- **Website:** <https://www.netsons.com>
- **Headquarters:** Italy
- **IT Environment:** Cloud infrastructure based on OpenStack
- **Industry:** Web Hosting / Cloud Services / Managed Services
- **No. of employees:** ~40

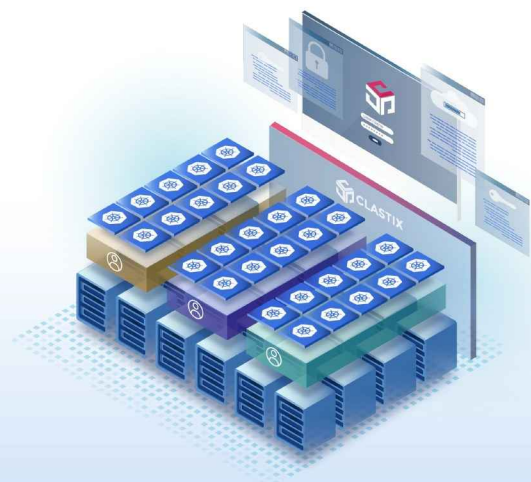
HIGHLIGHTS

- **New Kubernetes cluster provisioned in 5 minutes** – full self-service from a single management interface
- **Kamaji integrated with OpenStack Cluster API** – entire stack deployable with a few clicks or API calls
- **Largely self-reliant implementation**, with collaboration from Kamaji's core maintainers
- **Day-2 operations simplified significantly** – unique user experience across the full infrastructure stack

Netsons was born as a community project in the early 2000s and transitioned to a commercial Web Hosting company in 2007. The company has grown to serve over 200,000 business customers primarily in Italy. Known for their **forward-thinking approach** and **commitment to open source**, Netsons has been a forerunner in adopting **advanced cloud solutions** to meet and exceed customer expectations.

Netsons' technical team is deeply proficient in both Kubernetes and OpenStack, **enabling largely autonomous implementation of complex infrastructure projects** – with strategic collaboration from technology partners where it adds value.

For this case study, we spoke with **Aurelio Forese, Head of Cloud**.



“Clastix’s Kamaji, integrated with our OpenStack infrastructure, has been pivotal in building our Managed Kubernetes Services. This strategic enhancement has allowed us to offer scalable, efficient, and highly customizable Kubernetes solutions, significantly elevating our service delivery across Italy and Europe.”

–Aurelio Forese, Head of Cloud

CHALLENGES

With a strong foundation in cloud computing backed by OpenStack, Netsons set out to build a Managed Kubernetes Service that could **match the self-service capabilities of major hyperscalers** – but on their own infrastructure, without proprietary lock-in.

The challenge was a familiar one for regional cloud providers: most available Kubernetes solutions were designed primarily for enterprise environments and lacked the scalability and operational efficiency required for a managed service provider. Large public hyperscalers have their own implementations, but these are not publicly shared.

This left Netsons facing two options, both unsatisfactory: **standard vendor solutions were too costly and too complex to manage at their scale**. What they needed was a strategic partner who could help deliver a scalable, cost-effective, and easy-to-operate Kubernetes solution built on open source foundations.

Requirements

- Hyperscaler-grade self-service Kubernetes provisioning for business customers
- Native integration with existing OpenStack infrastructure – no rip-and-replace
- High automation and operational simplicity, manageable by a lean technical team
- Open source foundation – avoiding vendor lock-in, consistent with Netsons’ technology philosophy
- Simplified Day-2 operations: upgrades, scaling, and lifecycle management at scale



The Main Business Drivers

Netsons needed to offer managed Kubernetes with **real self-service capabilities** – the kind that hyperscalers provide – but running on their own OpenStack infrastructure. The answer was Clastix's Kamaji, the Hosted Control Plane Manager for Kubernetes, which decouples the Kubernetes control plane from workload clusters and delivers it as a managed network service.

SOLUTION

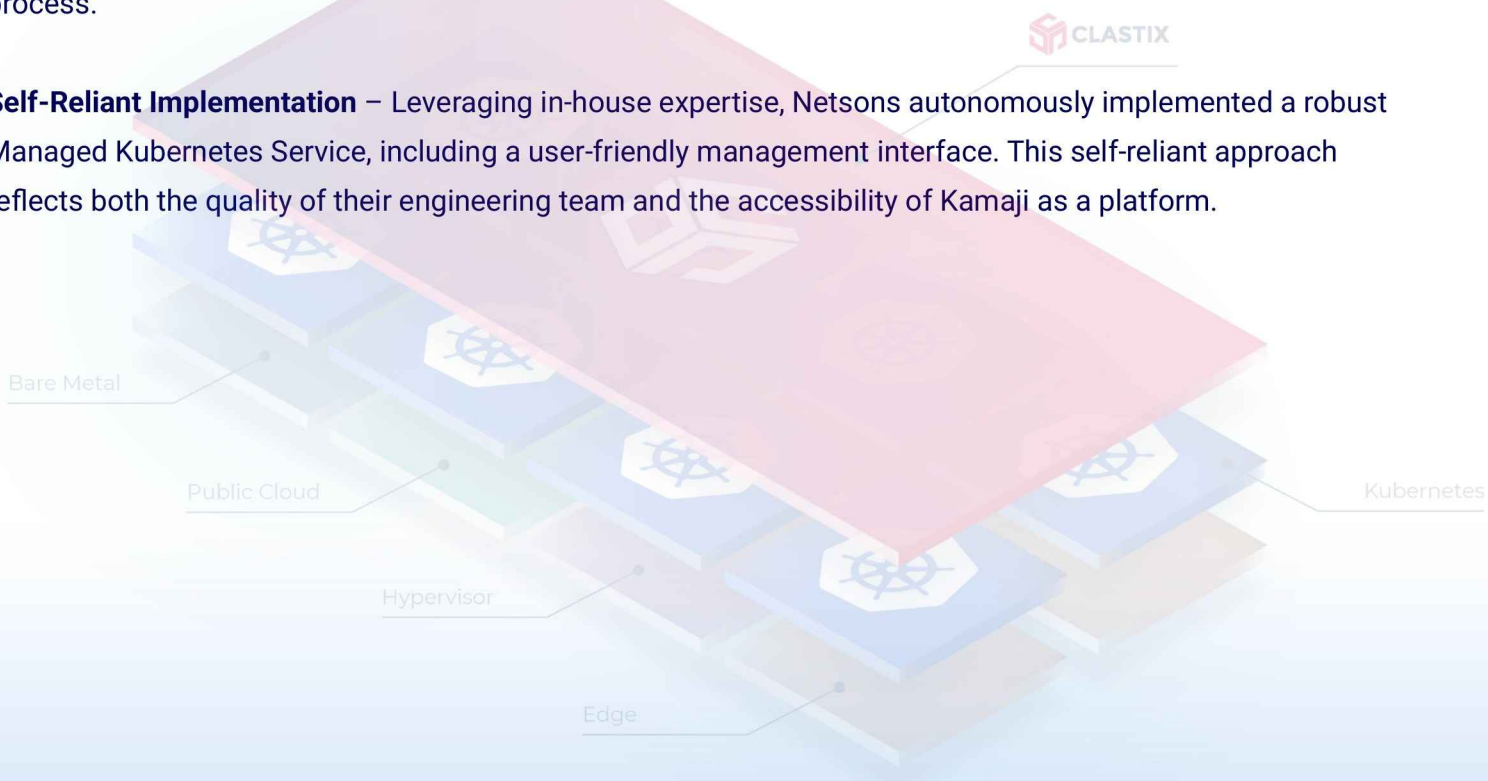
Netsons' technical team integrated **Clastix Kamaji** into their existing OpenStack infrastructure – largely independently, but with valuable collaboration from Kamaji's core maintainers. The integration showcased Netsons' deep technical proficiency and their commitment to open source.

Design and Deployment

Integration – Netsons' team integrated Kamaji into their existing OpenStack infrastructure, enhancing the scalability and efficiency of their Managed Kubernetes Service. Native Kamaji integration with OpenStack Cluster API means an entire Kubernetes stack can be created with just a few clicks or API calls.

Collaboration with the Kamaji Community – Working closely with Kamaji's core maintainers, Netsons successfully deployed Kamaji and contributed to testing and validating its integration with OpenStack – demonstrating deep capability in both technologies and strengthening the open source ecosystem in the process.

Self-Reliant Implementation – Leveraging in-house expertise, Netsons autonomously implemented a robust Managed Kubernetes Service, including a user-friendly management interface. This self-reliant approach reflects both the quality of their engineering team and the accessibility of Kamaji as a platform.



Ongoing Benefits: Unprecedented Operational Agility, Automation, and Scalability

The creation of Netsons' Managed Kubernetes Service using Kamaji delivered unprecedented operational agility, automation, and scalability. The collaboration has demonstrated how local and regional cloud providers can **adopt a hyperscale approach and offer cloud-native services – without relying on proprietary hyperscaler technology.**

Key Outcomes

- New Kubernetes clusters provisioned in 5 minutes – full self-service from day one
- Entire infrastructure stack deployable with a few clicks or API calls via OpenStack Cluster API integration
- Complex Day-2 operations – upgrades, scaling, lifecycle management – simplified significantly
- Clients receive robust, customizable, easy-to-use Kubernetes services with a real self-service experience
- Netsons' position as a leader in Italian and European cloud services strengthened, setting a new benchmark for regional providers



NEXT STEPS

If you are a cloud provider or MSP looking to build a Managed Kubernetes Service on your existing infrastructure – with hyperscaler-grade self-service, open source foundations, and a lean operational model – reach out to the CLASTIX team. We will help you find the right architecture for your environment, without starting from zero.

About NETSONS

Netsons is a leading Italian Web Hosting and cloud services provider, serving over 200,000 business customers primarily in Italy. Known for their forward-thinking approach and commitment to open source technology, Netsons has been a forerunner in adopting advanced cloud solutions. Since transitioning from a community project to a commercial provider in 2007, they have continually raised the bar for cloud service delivery in the Italian and European market.

About CLASTIX

Clastix builds enterprise-grade Kubernetes infrastructure through hosted control planes and hard multi-tenancy – solving cluster sprawl, fragile isolation, and runaway infrastructure costs at scale. With deep open source credibility – including the donation of Capsule to the CNCF – the kMetal platform is purpose-built for cloud providers, MSPs, and platform teams that demand real isolation, efficiency, and scale. Customers include NVIDIA and Mistral AI.



Contact us

Please contact us to request a quote or learn more about our support offerings.



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