

Nebul Accelerates AI Adoption in Europe



Nebul is a pioneering sovereign cloud provider that forges private high-performance cloud with the convenience and global reach of public cloud into a future proof multi-cloud. Nebul is on a mission to enable faster adoption of AI across Europe. Nebul focuses on horizontal industries such as Enterprises, Government and Universities, SaaS Providers, MSPs and cutting-edge Startups. Nebul aims to make Europe more competitive and relevant in AI by providing not only accelerated infrastructure but also the expertise and services needed to enable modern AI initiatives.

The Case for Private AI

At the heart of Nebul's offering is their Private AI Cloud Service, designed to run HPC and AI workloads based on NVIDIA computing infrastructure. "Our ambition is to enable European organizations to securely leverage their data for new, value driven use-cases, by connecting relevant data to high-performance computing infrastructure for supporting AI and HPC workloads. These modern use-cases are now in the adoption phase of becoming mainstream in Europe" explains Arnold Juffer, CEO and Founder of Nebul.

According to Juffer, Private AI is essential for corporate and government use, as it ensures strategic AI independence, maintains sovereignty, and ensures compliance by keeping sensitive organizational data within their specific data protection guidelines. "Public AI is great for learning, experimentation, and common public use, but corporate use in the EU requires Private AI."

Nebul's Private AI philosophy strategically hinges on keeping data secure and within EU legislation boundaries. Rather than connecting sensitive organizational data to Public or shared AI platforms, Nebul advises deploying an independent AI factory in the same domain where the secured data is, conforming to required EU data protection policies, typically already in-place. This approach ensures EU data is not shared with third parties or US hyperscalers subject to the US Cloud Act, protecting European organizations from unwanted US data collection laws. Nebul guarantees that European cloud customers can keep sensitive data compliant within EU legislation while simultaneously accessing a flexible multi-cloud environment, integrating both US public cloud and EU private cloud to support customers varying needs and protecting sensitive data sets contained within newer AI workloads.



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Arnold Juffer

Founder of Nebul



A Robust Technology Stack

To deliver on the Private AI vision, Nebul has assembled an impressive array of technologies, including NVIDIA DGX™ H100 clusters, HGX™ H100 and NVIDIA OVX™ L40S and L4 clusters as the basis of the computational layer. NVIDIA Quantum InfiniBand networking, and the VAST Data Platform make up the core underlying infrastructure. “We’ve carefully selected VAST Data for our cloud platform and data management backend,” says Bam Gobets, Chief Revenue Officer at Nebul. “VAST Data allows us to provide the best performance needed for properly saturating GPUs, and seamlessly scaling customer solutions for model training, production inference, and all stages of data processing across the AI pipeline.”

“Our confidence in VAST stems from the strength of their team, including the founding and executive members, their extensive experience, and the credibility they’ve brought to the table, the modern VAST architecture was pivotal, particularly with its focus on supporting all relevant open file protocols required for HPC and AI. Understanding VAST’s roadmap, architecture, and core design for scalability was a crucial part of our decision.”

Arnold Juffer, Founder of Nebul



The Nebul team brings over 20 years of experience running large-scale HPC configurations, a unique skill set that sets them apart in the European market. “HPC in the AI format requires a new hardware infrastructure, tuning capabilities, and software stack, which is tricky to bring all together successfully,” notes Gobets. “That’s what’s unique: we’re providing a mature, focused skill set combined with the complete hardware, software, and support in a modern cloud format. We call this the Accelerated Hybrid Cloud, which brings together your business data and AI workloads into a single consolidated platform, dramatically increasing value vs traditional cloud offerings.”

Scalable Infrastructure with VAST Data Platform

Nebul’s Accelerated Hybrid Cloud is anchored by a multi-petabyte VAST Data Platform Cluster, which provides the basis of performance and scalability needed to support their clients’ rapidly growing AI workloads. “The modern architecture of VAST was essential to us,” says Juffer. “We understand the market will end up where VAST is going.”

In addition to the VAST Data Platform, Nebul leverages an ecosystem of leading technologies, with [NVIDIA](#) at the center, enriched by technologies like NVIDIA [Run:ai](#) for GPU orchestration, [UbiOps](#) for simplifying data scientists’ interfacing, and [Weights & Biases](#) for tracking data in model building and tuning. [Prompt Security](#), a unified Generative AI security platform, provides visibility into AI tool usage and helps to create visibility and enables governance and protection for companies that want to protect themselves against the risks of shadow AI.

Enabling AI Across Industries

Nebul’s Private AI offering has succeeded across horizontal industries, with notable traction among well-established organizations that future-proof their portfolio and operations with use cases ranging from massive pharmaceutical document analysis by LLMs to manufacturing innovation and intelligent agents for customer interactions and technical support. For SaaS providers looking to escape the limitations, rising costs and volatility of the public cloud, Nebul provides a compelling alternative by dramatically reducing cost of compute, flattening monthly costs while at the same time, increasing performance in the order of magnitude. Nebul’s Private AI Factory, built into the Accelerated Hybrid Cloud offering provides a complete solution, while also ensuring the organizational data protection strategy is ensured.

Why the VAST Data Platform?

The VAST Data Platform is a highly scalable and affordable all-flash data system that allows you to run AI-scale analytics at less than half of the cost of traditional all-flash solutions.

DASE Architecture

With its unique Disaggregated and Shared-Everything architecture, VAST breaks tradeoffs deliver significant savings and make flash affordable for all of your data.

VAST Datastore

The VAST DataStore is an enterprise all-flash NAS platform built to meet the needs of today’s powerful AI computing architectures and beyond.

VAST Database

The VAST Database is a key strategic piece of the Data Platform targeting structured data. It provides transactional and analytical data warehouse functionality on top of the scalable, performant, all-flash base layer to ingest and process data at best-in-class speeds. base layer to ingest and process data at best-in-class speeds.

VAST Data Catalog

The VAST Data Catalog leverages the Database and SQL to provide a built-in metadata index that allows you to search and find data easily – structured or unstructured – at scale and in a fraction of the time of traditional methods.

The Private AI Journey

Recognizing enterprises' challenges in building AI infrastructure, Nebul has developed a comprehensive services approach called the Private AI Journey. This journey encompasses research, experimentation, preparation, building, training, fine-tuning, retrieval, inference, and day-to-day operations. "With our Private AI Factory approach, we help organizations tackle these challenges proactively and efficiently," explains Gobets.

The private AI Journey allows our customers to start small with a workshop, micro-experiments, and then scale up to a proof-of-value and finally a production infrastructure. Nebul offers flexible deployment options, including on-premises or Cloud based, leveraging NVIDIA DGX, HGX and OVX clusters, all dedicated, turn-key and with enterprise-class support.

Driving AI Adoption in Europe

"Our ambition is to enable faster adoption of AI in Europe" summarizes Juffer. "We want to help European organizations with our turn-key infrastructure, cloud capabilities, expertise and knowledge, to speed up the adoption process and make Europe more competitive and relevant in AI, enabling Europe to be more relevant during this fourth-generation technology revolution."

With data centers and cloud services currently based in the Netherlands and Germany, Nebul is continually enhancing its service portfolio and available EU locations. "We offer data management and data storage services with our HPC cloud services," reveals Gobets. "There's a subset of data storage and data management-related services that we offer, like backup, archive, and replication of datasets throughout our data centers. These services enable the secure development of AI related services without compromising security, corporate governance or EU compliance, unlike Public Cloud and Public AI solutions, which are focused on innovation only, and not EU compliant, enterprise grade requirements."

A Strong Partnership with VAST Data

As Nebul continues to innovate and enable European AI initiatives, the VAST Data Platform remains a crucial enabler of its vision. "VAST has been a great partner, delivering a data platform that works wonderfully well for us and our customers, removing bottlenecks, limits, and allows us to focus on the outcomes."

About VAST

VAST Data is the data platform software company for the AI era. Accelerating time-to-insight for workload-intensive applications, the VAST Data Platform delivers scalable performance, radically simple data management and enhanced productivity. Launched in 2019, VAST is the fastest-growing data infrastructure company in history.

Looking to simplify your data center and unlock insights from all of your data? **Contact us at** hello@vastdata.com



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Trusted by Industry Leaders

Leading data-driven organizations around the world use VAST to accelerate their applications and eliminate data infrastructure complexity.

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