eggsplain

eggsplain.com



February 2026 Edition

Whitepaper

AI On Your Premise

What is Eggsplain?

On Your Premise

Eggsplain's extensive offering helps clients contain and run AI exactly where and how they like. With dedicated hardware - "On Premises" or with high-security data centers in their jurisdiction - "On Sovereign Premises." Organizations can achieve significant plug-and-play AI adoption and innovation while preserving high security standards by containing the solution to dedicated hardware inside their existing infrastructure, with zero external dependencies ("100% on prem"), or within their country's jurisdictional boundaries (100% on sovereign premises).

Eggsplains's white-paper provides clients with a comprehensive understanding of the "AI On Premises" & "AI On Sovereign Premises" offering and a path forward to adopt innovation with integrity.

Vision

Our vision is simple: a world where intelligence is sovereign, secure, and available to all.

Eggsplain Overview

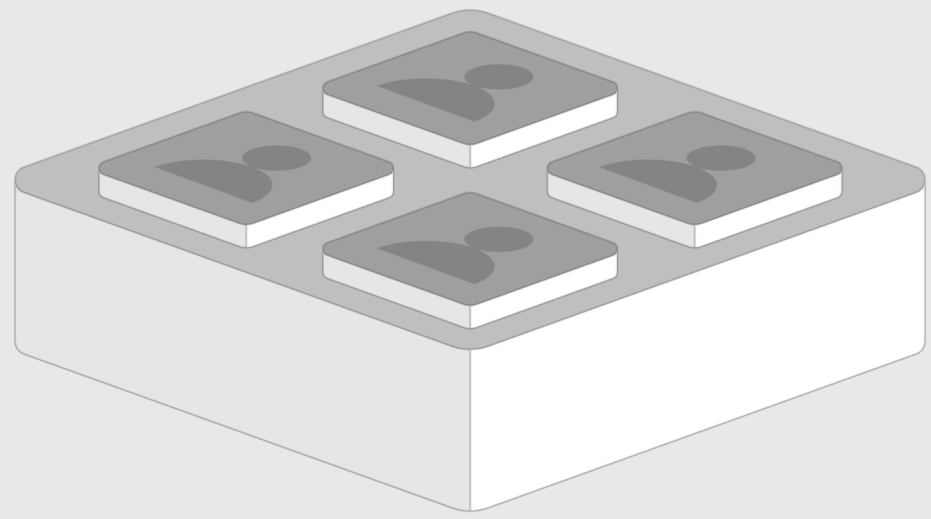
Eggsplain is a Swedish Deeptech company founded in Stockholm and led by a team with deep experience in critical infrastructure, AI, and cybersecurity. We operate in a rapidly growing market – not because AI is new, but because the need to control where AI runs has finally become business-critical.

Eggsplain Ecosystem

Nest GUI

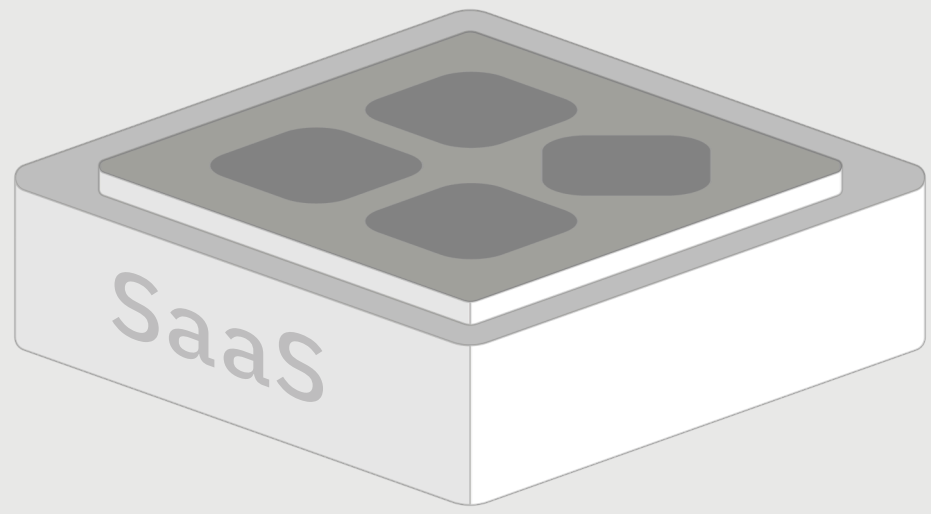
The primary web interface that enables customers to access & manage the full offering of Eggsplain.

www.nest.eggsplain.com



Nest Appstore SaaS

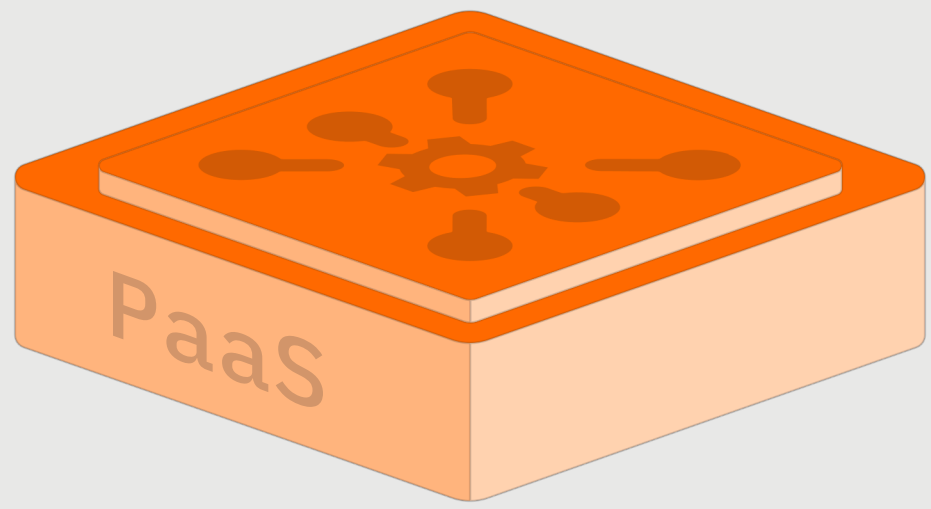
Allows customers to install certified AI-Applications or AI-Models seamlessly.



Nest Orchestrator PaaS

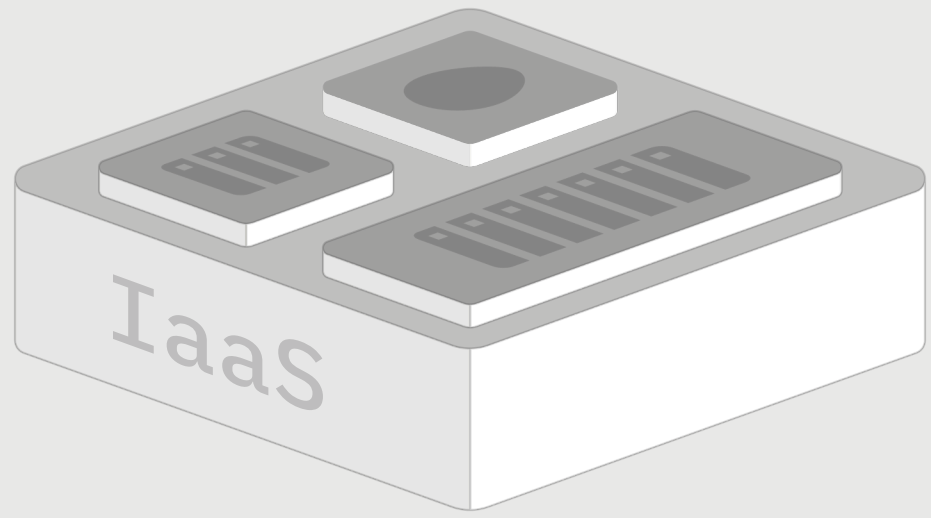
Orchestrator enables where AI should run: on-premises, sovreign premises or hybrid enviroment. You decide exactly where your data resides, ensuring it never leaves your circle of trust.

This puts users in full controll.



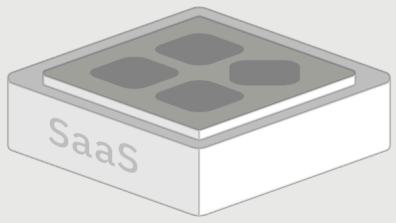
Nest Infrastructure IaaS

The Eggsplain Infrastructure stack empowers you to leverage AI compute anywhere – from local edge locations to your preferred data centers. We provide the foundation; you choose the destination.



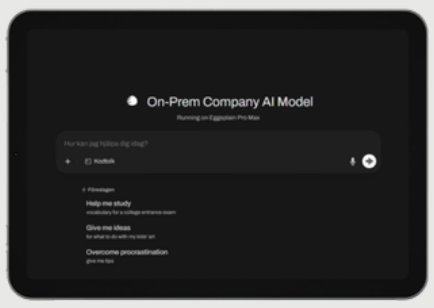
AI ON YOUR PREMISE

SaaS - Nest Store

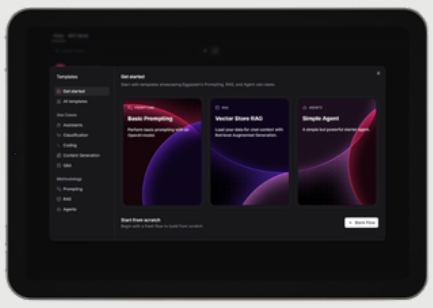


AI-App Store

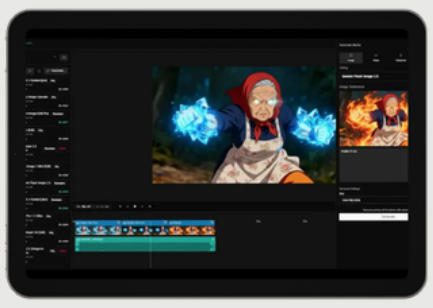
1-Click Install Apps



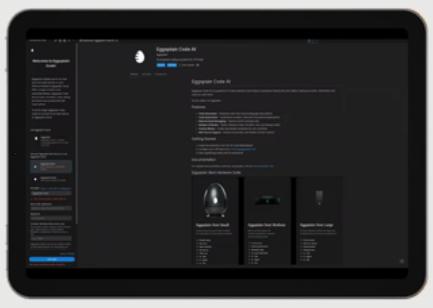
CHAT



AGENT



STUDIO



CODEX

Summary

Overview

App store enables you to get started with AI-applications running on your premise as plug and play in your infrastructure at scale. It's a collaborative way for organizations to harness more AI innovation while leveraging existing infrastructure investments.

Eggsplain Appstore

Organizations can harness pre-built applications that also run 100% on-prem, like an AI-transcription software for meeting notes and summarization that runs on the hardware and is optimized for Swedish & and other European languages, and much more.

Proven Benefits

- **Significantly Lower Total Cost of Ownership (TCO):**

  Install new AI applications without the unpredictable overhead of traditional cloud models.

- **Zero Consumption Fees:**

  Enjoy unlimited usage with no per-token or API consumption costs – all you need is electricity.

- **Immediate ROI:**

  Gain instant access to plug-and-play AI applications without needing to rebuild your existing infrastructure.

AI-Model Store API's

Fine tune models 100% offline with sensitive data on Nest Hardware

Vision Intelligence

- Object and activity recognition
- Image and video understanding
- Pattern, trend, and anomaly detection

Audio Intelligence

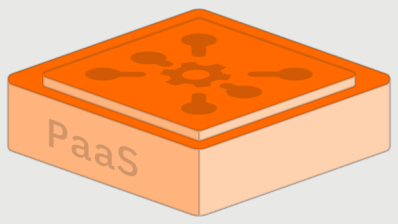
- Speech recognition and transcription
- Voice and sound classification
- Audio enhancement and noise reduction

Text Intelligence

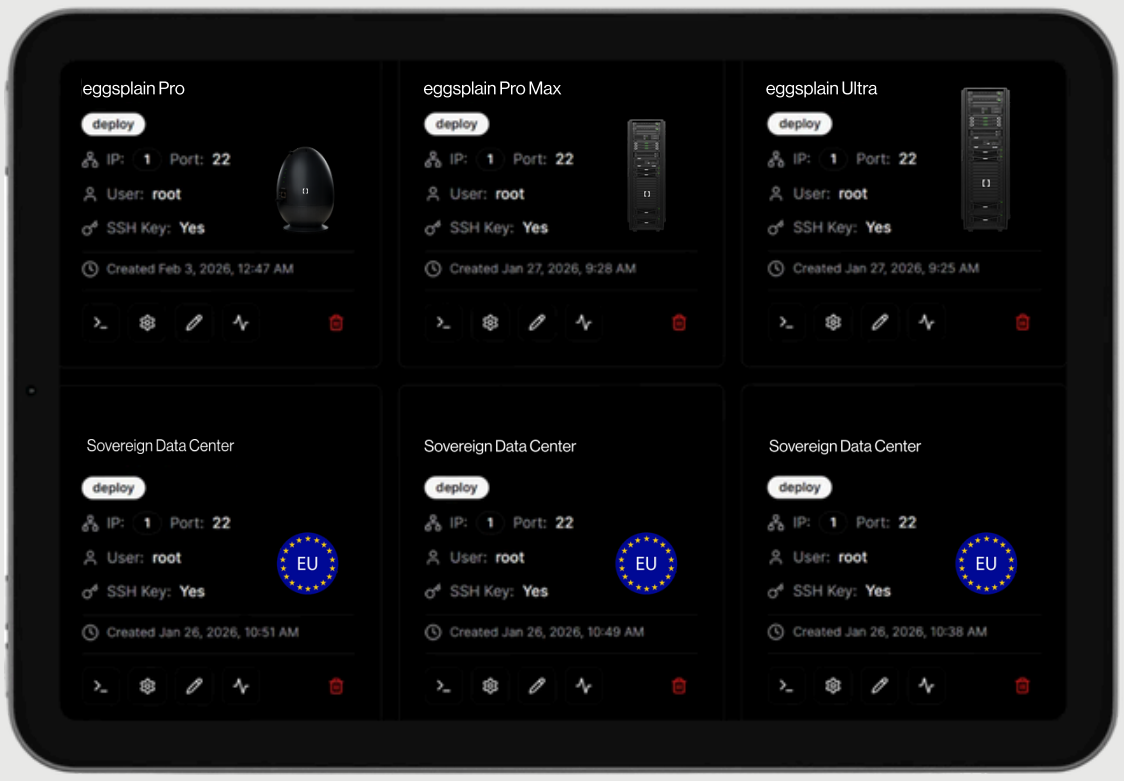
- Natural language understanding
- Multilingual processing and translation
- Information extraction and summarization

AI ON YOUR PREMISE

PaaS - Nest Orchestrator



Manage & Orchestrate



Summary

Overview

Nest Orchestrator enables “Cloud Native” feeling while running on dedicated machines. This is where customers decide what to put in their basket. Either 100% on prem or with datacenters. Nest can be selfhosted internally to enable customers to easily manage the hardware while keeping everything internally. It’s like having your own Private AI datacenters in your facility + Software to manage it.

PaaS + Eggsplain Hardware

The PaaS platform together with Eggsplains Hardware enables AI running 100% on prem at scale using Eggsplains built in distributed inference. This enables organizations to control the information flow and cost control with zero “token/consumption” cost. All you need is electricity.

Proven Benefits

- **Centralized AI Infrastructure Management:**

  Streamline the deployment and monitoring of your AI hardware and software from a single, secure dashboard.

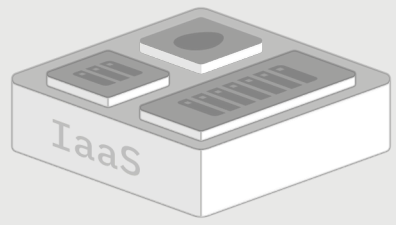
- **Built-in Distributed Inference:**

  Maximize performance and efficiency by processing data locally across multiple of your dedicated hardware nodes.

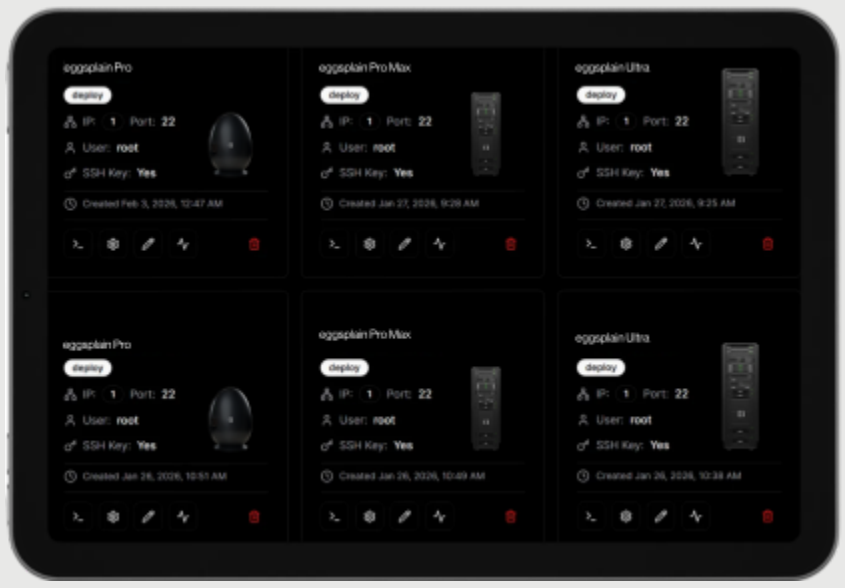
- **Seamless 'Cloud-Native' Experience:**

  Provide your internal teams with the agility and user experience of the cloud, securely contained entirely on-premises.

IaaS - Nest Infrastructure



100% On Premises



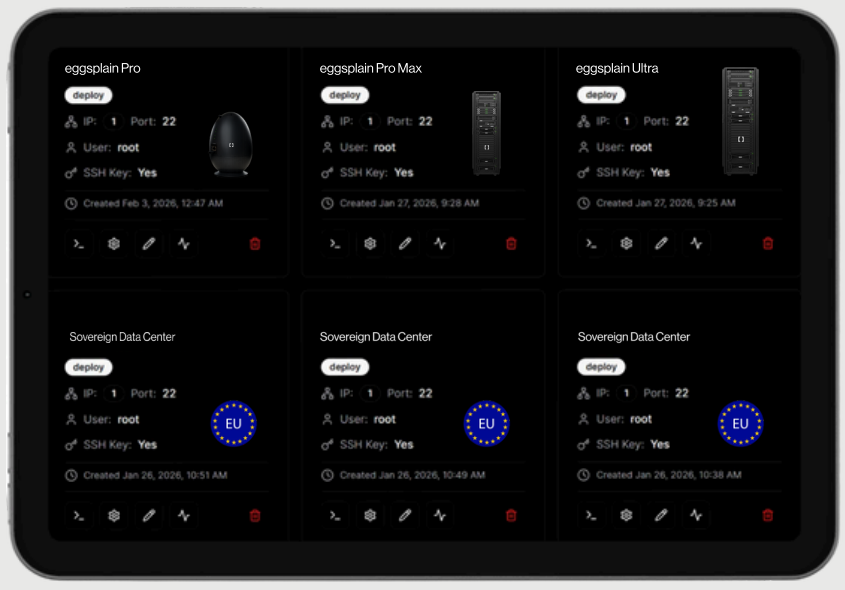
A on-prem datacenter allows you to manage Eggsplains plug & play hardware and software together with your own existing hardware through our service Nest Orchestrator (PaaS) - enabling an on-prem datacenter that creates a secure environment where data never leaves your company.

You are a good fit if:

- You want added resources and flexibility with strong security
- You want the best of private and sovereign AI
- You want a scalable solution without the full hardware investment

- Maximum capacity & throughput
- Military rugged (upon request)
- Tempest certified (upon request)
- ISO-27001

100% On Sovereign Premises



A hybrid datacenter allows you to move applications and resources between on-premise hardware and selected datacenters depending on your unique requirements. Choose your own setup through Nest Orchestrator (PaaS) and reap the benefits of both private environments and sovereign datacenters.

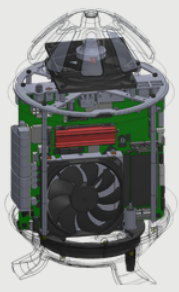
You are a good fit if:

- You need to store and process sensitive or private data
- You must comply with industry security certifications
- You have an established IT team in-house to manage infrastructure

- Maximum capacity & throughput
- Enterprise-grade infrastructure
- Security-cleared personnel
- Unlimited users / unlimited usage
- ISO-14001
- ISO-27001
- ISO-9001
- ISO-22301
- HDS (Health Data Hosting) certified entity

Data Center Security White paper available upon request.

HaaS - Nest Hardware





eggsplain PRO

Specification Eggsplain Pro - Blackwell 4000

Operating System	Eggsplain OS (Linux+NixOS)
GPU Architecture	Blackwell (AMD Upon Request)
Disaster Recovery & Backup	Eggsplain OS - ISO Backup
AI Tops	1178 AI TOPS
GPU Memmory	24 GB GDDR7 with ECC
Power consumption	Total board power: 145 W
Local AI Engine Optimazation	Distributed Infrence + Unlimited Model Size
Mode	Desktop & Server mode(CLI)





eggsplain PRO MAX

Specification Eggsplain Pro Max - Blackwell 6000

Operating System	Eggsplain OS (Linux+NixOS)
GPU Architecture	Blackwell (AMD Upon Request)
Disaster Recovery & Backup	Eggsplain OS - ISO Backup
AI Tops	4000 AI TOPS
GPU Memmory	96 GB GDDR7 with ECC
Power consumption	Total board power: 600 W
Local AI Engine Optimazation	Distributed Infrence + Unlimited Model Size
Mode	Desktop & Server mode(CLI)





eggsplain ULTRA

Specification Eggsplain Ultra - 2xBlackwell 6000

Operating System	Eggsplain OS (Linux+NixOS)
GPU Architecture	Blackwell (AMD Upon Request)
Disaster Recovery & Backup	Eggsplain OS - ISO Backup
AI Tops	8000 AI TOPS
GPU Memmory	192 GB GDDR7 with ECC
Power consumption	Total board power: 1200 W
Local AI Engine Optimazation	Distributed Infrence + Unlimited Model Size
Mode	Desktop & Server mode(CLI)

Summary

Overview

Eggsplain Hardware is purpose-built devices using NVIDIA or AMD GPU's for AI to run fully offline with zero external dependencies. It runs EggsplainOS which enables reproducibility of identical machines together with industrial components with 10 Year warranty. Built in Sweden and extended with authorized partners in Denmark and Norway that builds millitary grade hardware since 1996.

HaaS + EggsplainOS

Eggsplain hardware runs EggsplainOS, a declarative, immutable operating system built on a Linux foundation. This ensures bit-for-bit reproducibility across every machine deployed as the whole operating system is versioned in 1-Configuration file. When combined with our industrial-grade components and a 10-year warranty, you aren't just buying a server – you are deploying permanent reproducible infrastructure that works the same for many years.

Proven Benefits

- **Purpose-Built Hardware:**

  Designed specifically for AI to run fully offline with zero external dependencies.

- **Optimized for Local AI Workloads:**

  Pre-configured out-of-the-box to handle intensive AI tasks locally, ensuring maximum data privacy.

- **Secure Nordic Manufacturing:**

  Mainly built in Sweden and extended with certified partners with ESD-certified locations in Stockholm, Linköping, Oslo and Copenhagen. Building millitary certified hardware since 1996.

***Military/Rugged AI-Hardware available upon request.**

AI ON YOUR PREMISE

EggsplainOS



+ eggsplain OS
(Hardware agnostic)

Declarative Reproducible Transparent

Summary

Overview

EggsplainOS is a declarative, immutable operating system built on a Linux base. Unlike traditional Linux distributions EggsplainOS ensures every deployed machine runs the exact same verified configuration – ensuring long-term stability and reproducibility.

EggsplainOS + Linux Foundation

System configuration is defined as code, ensuring consistency and eliminating drift across deployments. Integrated security primitives such as full disk encryption (FDE), sandboxing, and role-based access control (RBAC) further strengthen the platform's security posture.

The result is a secure, transparent, and auditable operating system layer purpose-built for AI and industrial environments where reliability, control, and long-term maintainability are essential.

Proven Benefits

- **Purpose-Built Hardware:**

  Designed specifically for AI to run fully offline with zero external dependencies.

- **Optimized for Local AI Workloads:**

  Pre-configured out-of-the-box to handle intensive AI tasks locally, ensuring maximum data privacy.

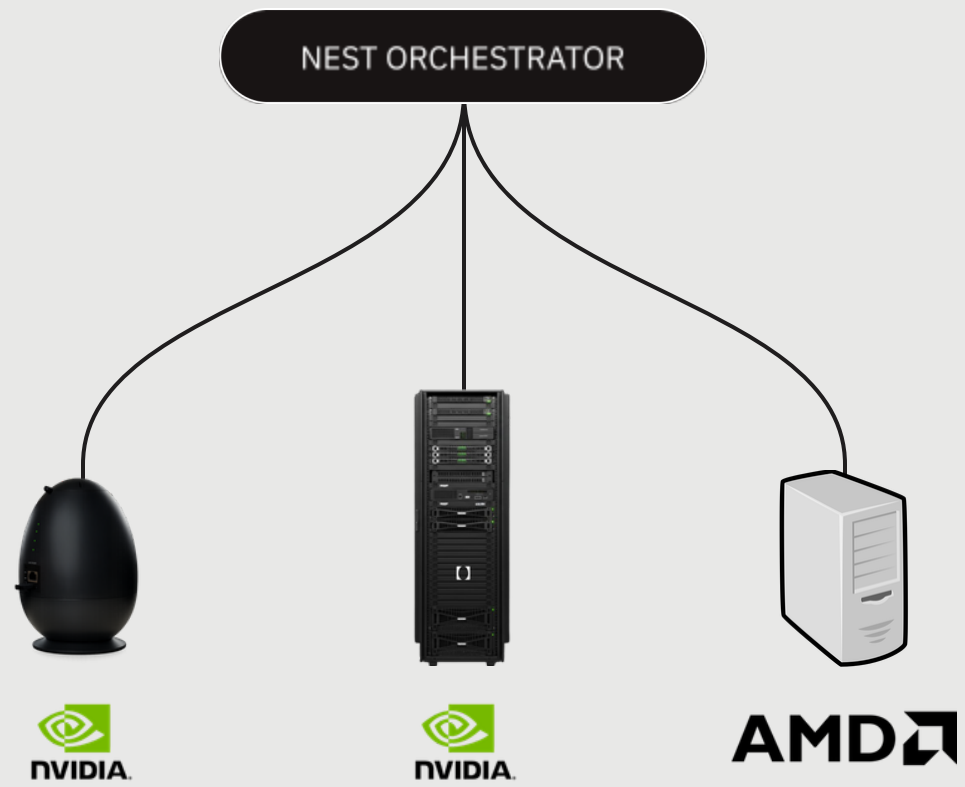
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AI ON YOUR PREMISE

Distributed Inference



Soverign supplychain

Unified Model Sharding

High Availability & Auto-Recovery

Summary

Overview

Eggsplain Distributed Inference enables heterogeneous Orchestration and mitigate supply chain risk by treating NVIDIA and AMD nodes as interchangeable units.

Distributed Inference

Nodes are defined and managed much like fleets – pools of compute that can be interconnected, provisioned, and scheduled to share inference workloads. This enables you to treat all hardware in your sovereign infrastructure as one cohesive AI backend.

Proven Benefits

- **Low-Latency Interconnects:**

  By grouping nodes into a single "Fleet," you ensure that the massive amounts of data being passed between GPUs during inference travel over high-speed, low-latency links, preventing a communication bottleneck.

- **Unified Model Sharding:**

  Large models that exceed the memory of a single machine are "sharded" or split across these nodes. This allows the cluster to act as one giant virtual GPU, enabling the inference of multi-billion parameter models in real-time.

- **High Availability & Auto-Recovery:**

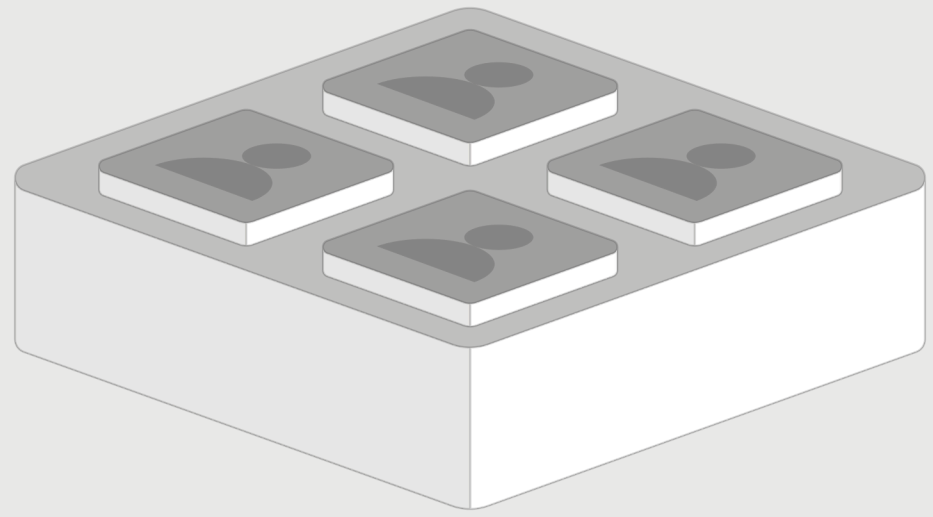
  If one "brain" (node) in the cluster fails, the fleet management system can automatically migrate the workload to healthy nodes, ensuring that your AI application stays online without manual intervention.

AI ON YOUR PREMISE

Management

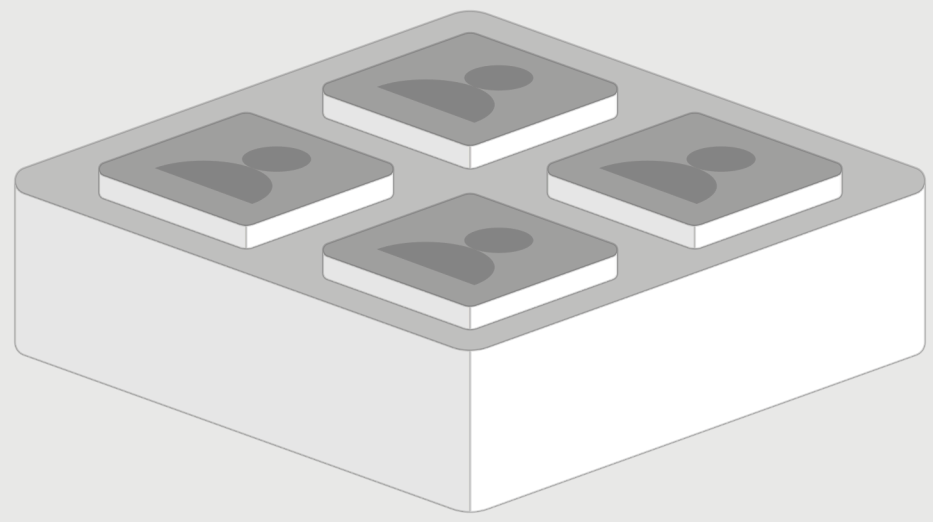
CEO | Strategic Competitive Advantage

Eggsplain accelerates your organization’s AI adoption while maintaining total sovereignty over your intellectual property. We provide the ecosystem for you to accelerate in AI innovation without compromising your core data assets or corporate values.



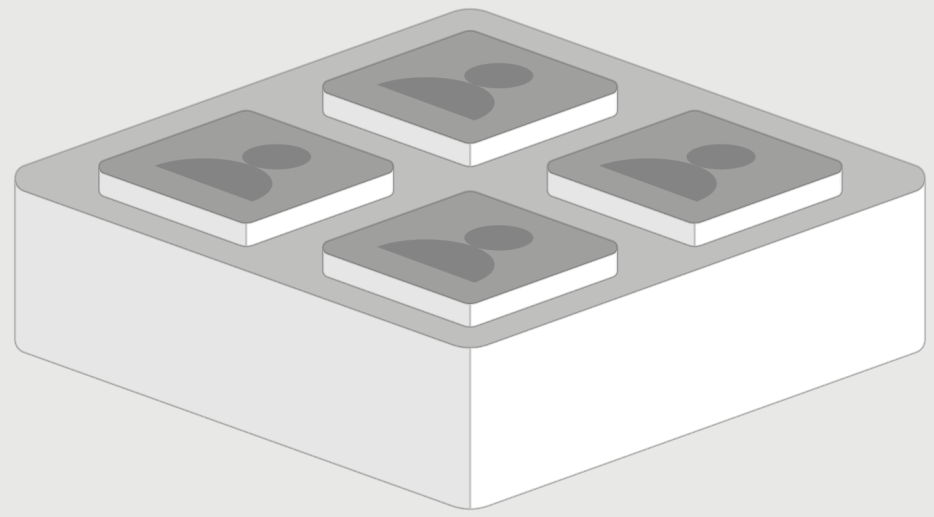
CFO | Financial Flexibility & Efficiency

Optimize your balance sheet with flexible procurement models tailored to your fiscal strategy. Our full suite is available via CapEx for long-term ownership or OpEx through "As a Service" models with 12, 24, or 36-month terms.



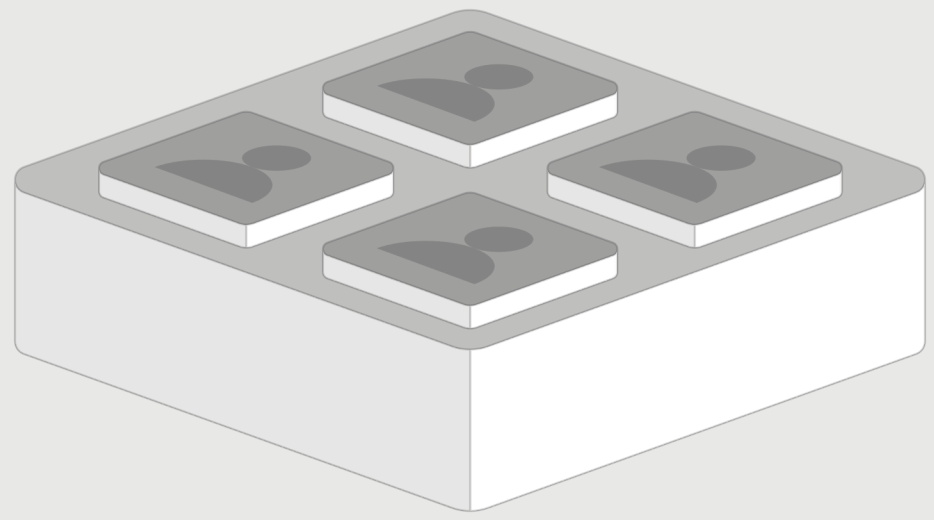
CISO | Risk Mitigation & Data Sovereignty

Eggsplain adapts to yours strategy. Maintain total authority over your most sensitive data by hosting AI solutions where you decide—on-premise or within specific sovereign borders—ensuring native adherence to your internal security protocols and comliance goals.



CTO | Operational Excellence & Scalability

Deploy a comprehensive orchestration suite designed to manage the entire AI lifecycle. Whether hosted on-site or via our sovereign cloud, your team gains a turn-key environment to manage and scale compute-intensive workloads with ease.



Frequently Asked Questions

What Model Size can I Run?

There are no restrictions on model size. Our distributed inference architecture allows you to run any model, regardless of scale. Eggsplain hardware and data centers function as a unified cluster, meaning you can scale your compute resources to meet the requirements of even the largest AI models.

How does Eggsplain help with AI Compliance?

Eggsplain gives you total sovereignty over your AI adoption. Whether you need to adhere to the EU AI Act by keeping data within specific borders or require the maximum security of running AI on-site within your own facilities.
You decide exactly where your data lives and breathes.
“**On Your Premises**” , “**On Your Soverign Premises**” or “**Hybrid Premises**”.

Can Eggsplain help me get started?

Absolutely. Eggsplain works with authorized partners across diverse sectors — including Defense, Healthcare, and B2B. Our "Eggxperts" act as your dedicated AI partners from Day 1, providing the technical guidance and industry-specific knowledge needed to navigate your AI journey.
Train Models, Integrate Agents and consult with you to achieve your goals.

I don't have as tight of restrictions can i still use Eggsplain?

Yes! You don’t need to put all your "eggs" in one basket. Our "Nest" concept allows for ultimate flexibility where you decide. With “**On Sovereign Premises**”, you get the ease of a hosted datacenter provider but with the unique power to select the specific country/datacenter where your AI runs.
We currently have integrated datacenters from Sweden to Luxembourg with our footprint expanding continuously.

Can I run AI in industrial settings or extreme environments?

Eggsplain offers ruggedized hardware configurations designed for peak performance in high-impact settings. Upon request, we provide military-grade machines engineered for deployment in vehicles, remote industrial sites, or subterranean facilities. With our Hardware the whole offering can be “Self-Hosted” and managed with any external connection from “PaaS”.

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Thank you!

Kornhamstorg 59
Stockholm, Sweden

Scan to book a meeting.
cal.com/eggsplain