

Create a secure, consistent and scalable Al environment – from edge to core

Enterprise AI can be powerful, but managing it is complex

As more organisations adopt AI, IT teams face mounting complexity: balancing resources while training models, optimising performance, monitoring systems, and managing recovery across dispersed environments.

They must debug without disruption, detect anomalies, integrate applications with data sources, and deliver a cloud-like experience – yet still struggle to maintain consistency across solutions from a single ISV.



Technology used

- Red Hat OpenShift Al
- NVIDIA Al Enterprise

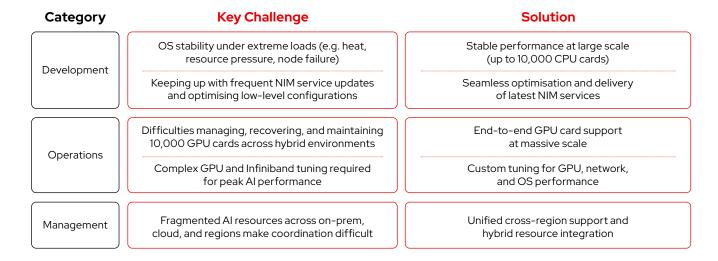
Simplify your Al journey with Laiye Al Foundry

Laiye Al Foundry, co-developed with Red Hat and NVIDIA, is an integrated, out-of-the-box solution that streamlines enterprise Al adoption at scale.

It reduces operational complexity and accelerates time to value with pre-configured tools, powerful infrastructure, and MLOps capabilities.

- Al-ready from day one Pre-integrated Red Hat and NVIDIA stack for fast deployment.
- Faster model development Built-in MLOps and full lifecycle control.
- Optimised performance Intelligent tuning for CPU, GPU and DPU resources.
- Consistent environments Unified across cloud, edge and on-prem environments.
- Seamless integration Certified plug-ins for broad application compatibility.
- Trusted and proven Built on validated, widely adopted solutions.
- Edge or datacentre Al Flexible and scalable for diverse use cases and industries.
- Rich model ecosystem Plug-and-play support for commercial, semi-commercial and open-source models.

How the solution addresses common AI challenges



Built by leaders in AI innovation

Laiye AI Foundry brings together the strengths of three leading technology providers: Red Hat, NVIDIA and Laiye, to solve the most complex challenges in enterprise Al. Each brings deep domain expertise and a commitment to delivering scalable, enterprise-ready solutions.

Red Hat

Red Hat OpenShift Al is at the heart of this solution: an enterprise-grade container platform optimised for AI workloads. It runs securely in hybrid environments, supports CI/CD pipelines for faster model development and offers tools that accelerate development and monitoring.

Red Hat's AI/ML platform for predictive and gen AI applications

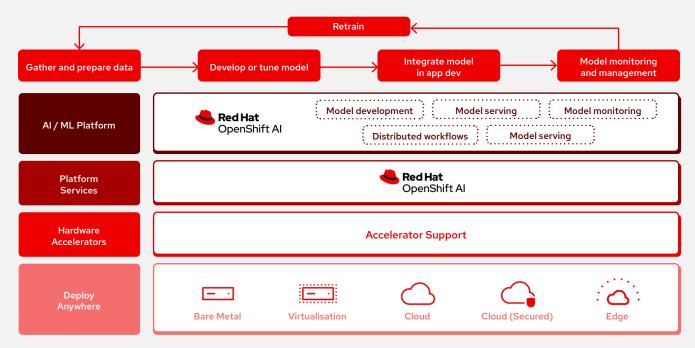


Figure 1: The Red Hat OpenShift Al platform





NVIDIA

NVIDIA is the world's leading provider of GPU technology, powering the most demanding AI workloads across industries. NVIDIA AI Enterprise provides containerised tools to deploy generative AI and ML quickly across cloud, data centre, or edge; fully integrated with open-source frameworks.

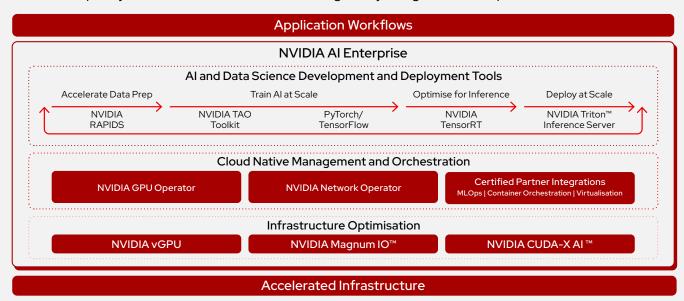


Figure 2: NVIDIA AI Enterprise

Beijing Laiye Information Technology Co., Ltd.

Laiye is a full-stack LLM technology company with expertise spanning high-performance computing, robotics, NLP and autonomous systems. Backed by talent from top-tier R&D organisations including NVIDIA, Qualcomm, Huawei and Alibaba - it delivers out-of-the-box Al solutions; reducing cost and complexity without compromising performance.

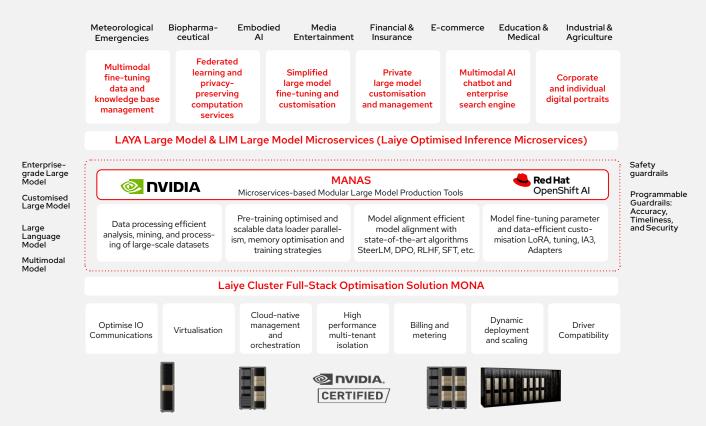


Figure 3: A high-level reference architecture view of Laiye Al Foundry



Success story: Fast, efficient Al services

A group customer set out to deploy a private, sovereign Al platform to enable internal teams and clients to train and run customised generative Al models.

During deployment, they faced challenges like the inefficient usage of RDMA networks for distributed training and underperforming model inference services.

By adopting Red Hat OpenShift AI, incorporating acceleration components from NVIDIA's NVAIE, and applying model optimisation solutions from Laiye, they built a high-performance environment for distributed training and inference; delivering fast, efficient AI services tailored to their needs.

To learn more on how this solution can accelerate your Al journey, reach out to us:

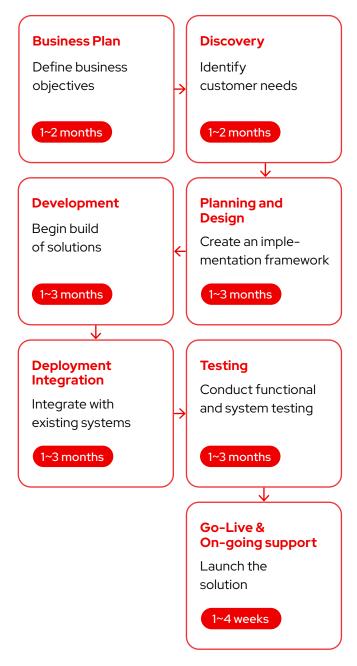
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Fast, seamless implementation



About Red Hat

Red Hat helps customers standardise across environments, develop cloud-native applications, and integrate, automate, secure, and manage complex environments with award-winning support, training, and consulting services.

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