



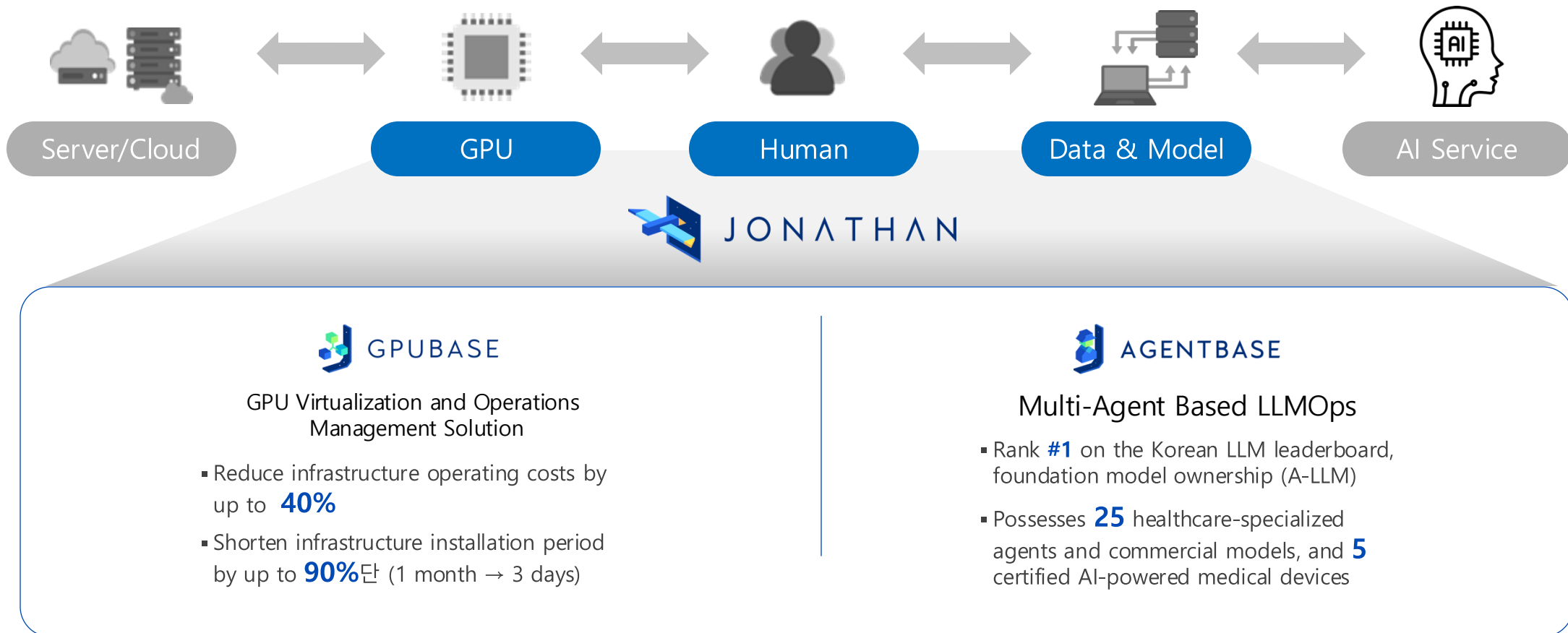
Building the Foundational Infrastructure for AI



01. JONATHAN

From GPU Resource Management to AI DevOps

An Integrated AI Platform supporting the Full AI Adoption Lifecycle



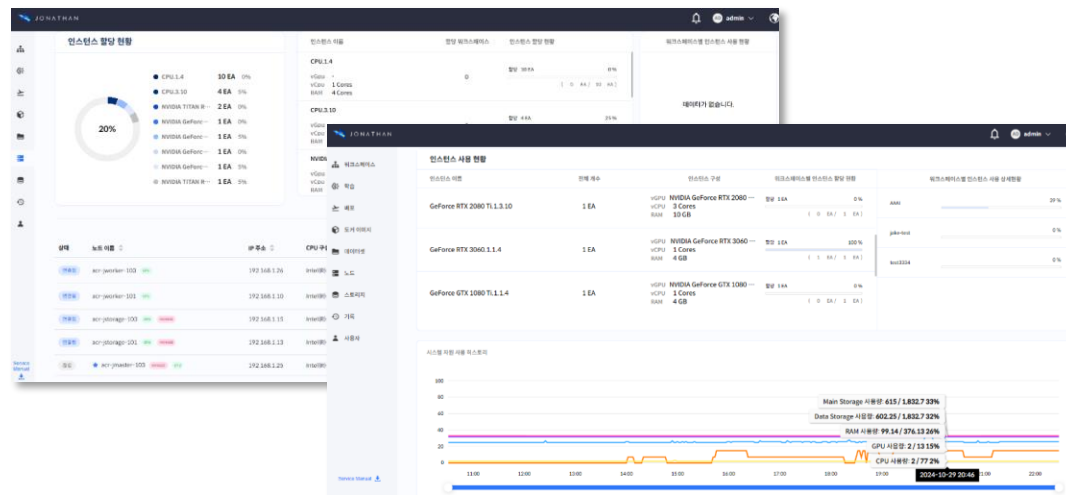
01. JONATHAN > GPU BASE



GPU BASE

“GPU Resource Optimization and Performance Enhancement”

Overview



- GPUBase is an execution solution that automates and optimizes GPU resources and computing infrastructure, the core of AI environments.
- It cuts installation time and infrastructure cost in early AI deployment while maintaining service quality and maximizing efficiency and scalability.

Key Features

- GPU resource scheduling and multi-instance optimization (incl. MIG support)
- Auto-provisioning for automated resource allocation/release
- Real-time cost tracking and operational efficiency analytics based on usage

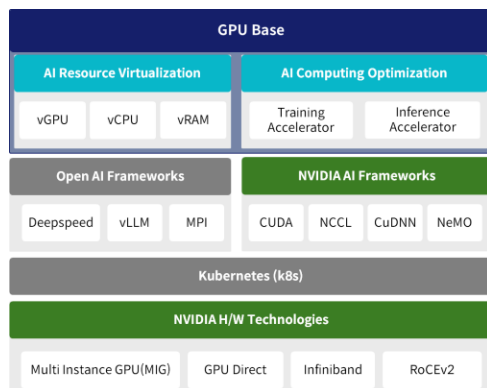
Adoption Benefits

- **Up to 90%** reduction in GPU infrastructure installation time (deployment within 3 days)
- **Up to 45%** reduction in training time
- **Up to 40%** reduction in operating costs (via cost-efficient scheduling)
- **Real-time failover support** during network outages
- Support for **all environments**, including on-premises and multi-cloud

01. JONATHAN > GPUBase > Core Technology

GPU Resource Optimization: Maximizing Infrastructure ROI Through Advanced Virtualization

Rapid Deployment

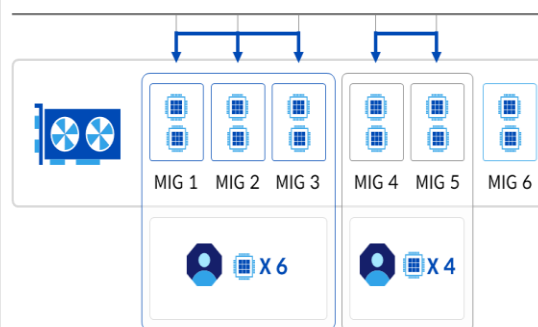


Kubernetes-based MSA architecture

Standard reference architecture

- Installation lead time reduced by up to **90%** (from 30 days to 3–7 days)

GPU Resource Optimization

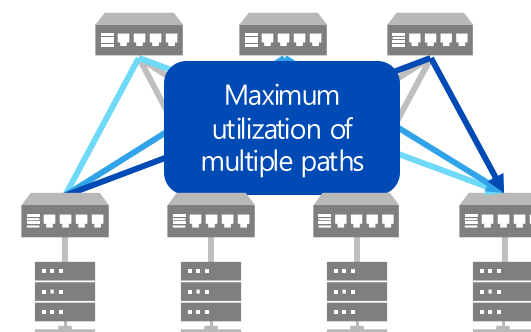


MIG multi-instance optimization + Dynamic Partitioning

Auto-Provisioning

- **Zero** development wait time
- Achieved an average GPU utilization rate of **85%**

Performance Acceleration

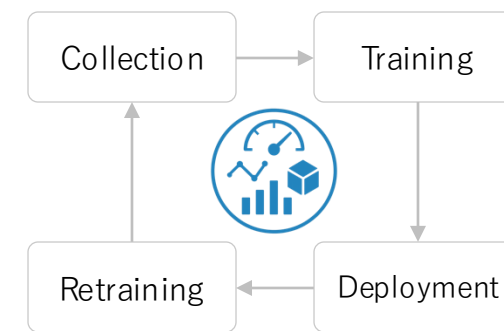


Multi-level optimization

High-performance AI traffic differentiation service technology

- Reduced GPU operating costs by more than **40%**

Asset Management



Real-Time Usage and Cost Tracking

End-to-End Lifecycle Management (Collection → Training → Deployment → Retraining)

- **100%** Traceability of Change History
- **Real-Time** Usage Analysis

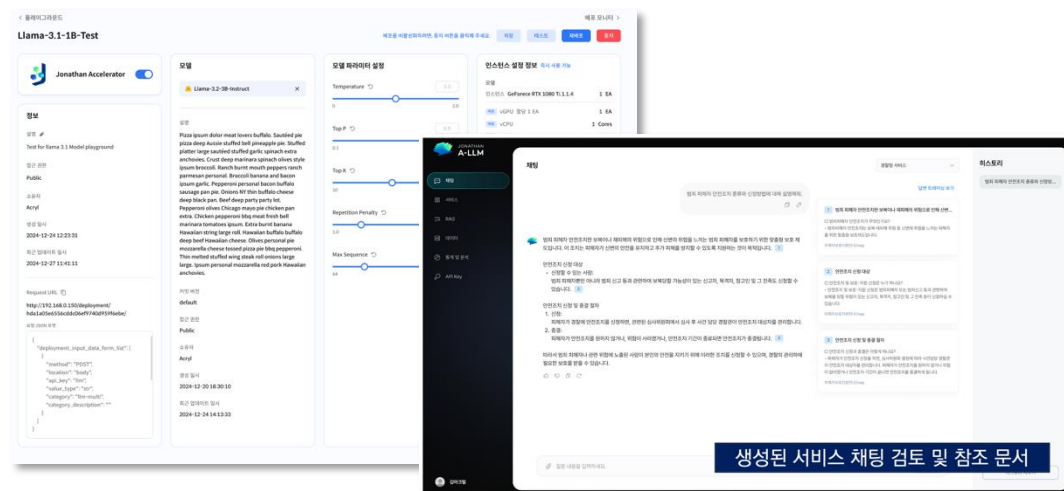
01. JONATHAN > AGENTBASE



AGENTBASE

“Optimizing Vertical LLM Development with Multi-Agent Pipelines”

Overview



- AgentBase is an advanced solution that builds and runs domain-specific AI agents based on large language models (LLMs).
- It supports pre-training, tuning, and optimization, enabling even non-experts to design and deploy domain-specific intelligence.

Key Features

- Pre-training, fine-tuning, and prompt engineering for LLMs
- Customizable system prompt and scenario templates
- Retrieval-Augmented Generation (RAG) with guardrails
- Chain-of-Thought (CoT) and Chain-of-Search (CoS) reasoning
- Built-in proprietary LLM (A-LLM) with top benchmark performance
- Automated multi-agent pipeline configuration
- Reduced hallucinations via agent orchestration

Adoption Benefits

- Open-source based own LLM, external LLM [simultaneous support](#)
- Build [domain-specific](#) agents for healthcare, public sector, etc.
- Automates documents and repetitive tasks, [cutting costs and boosting productivity](#)

01. JONTHAN > Agentbase > Core Technology

AI Healthcare Leadership Through Proprietary Foundation Models and Clinical Validation

LLM Performance("A-LLM")



"Horangi," the LLM leaderboard that best represents industrial utility

Open-source LLMs

(2024. 08. 04)

TOP 1

```
runs.summary["leaderboard_table"]
```

	model name	AVG	↓	AVG_llm_kr_eval
4	anthropic.claude-3-opus-20240229-v1:0	0.7542		0.6291
29	openai/gpt-4	0.7363		0.6158
1	AcrylaLLM/Llama-3-8B-Jonathan-aLLM-	0.6675		0.5937
19	gemini-pro	0.6645		0.515
18	mistral-large	0.6259		0.4167

※ Healthcare Specialized Foundation Model A-LLM 2, Scheduled for Release in September 2025

■ Performance Score Ranked **first** for 5 consecutive months since August 2024

Company	Acryl(A-LLM)	Yanolja	UpStage	KT
AVG	0.6675	0.6143	0.5173	0.2268

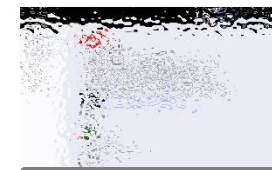
Medical Device Portfolio

Development of AI medical devices for structured and unstructured data
- 4 Medical Device Approvals -

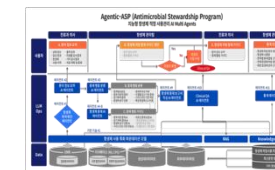
Category	Data	Disease	Hospital
NLP	Counseling Data	Depression	The Catholic University of Korea Seoul St. Mary's Hospital
CRF	Infectious Disease	Infectious Disease Prognosis Evaluation	Samsung Medical Center
Multimodal	Ultrasound, EMR, Welcare Data	Causes of Prostate Symptoms, Welcare Age Prediction	Samsung Medical Center, Chungcheongbuk-do
	Counseling/Image	Severe Atopic Dermatitis	Sejong Chungnam National University Hospital
Structured	EMR	Prostate Drug Efficacy	Samsung Medical Center
	EMR / Diet	Cancer Patient Management	Kangwon National University
	EMR	Infectious Disease Drug Recommendation	Samsung Medical Center
	EMR	Infectious Disease Risk	Kyungpook National University Hospital
Vision	Clinical Image	Burn Depth Assessment	Bestian Hospital
	Image	Pressure Ulcer Stage Assessment	Samsung Medical Center

- 4 AI medical devices approved; 3 in clinical trials.
- 25 commercial –grade AI models
- Compliant with domestic medical data standards, including EMR and GMP **certification**.

Healthcare Network



Foundational Study for Medical Device Research



Antibiotic Stewardship



Prognostic Management of Chronic Disease Patients



Preclinical and Clinical Integration in Drug Development

- Strategic partnership with **Korea's top-tier medical institutions** enabling proprietary data access and clinical validation

01. JONATHAN > Differentiation

Awards & Certifications

“Officially recognized for technical excellence, quality, and proven reliability”

- ✓ GS (Good Software) Level-1 Certification
- ✓ 2023 New SW Product Award – Prime Minister’s Commendation
- ✓ Designated as Innovative R&D Product (Gov’t Procurement Type 2)
- ✓ 2-time winner, AI Service Award (AI Platform category)
- ✓ Adopted as ITU-T SG16 International Standard (Multimodal Emotion UI)

Global Scalability

“Proven independence and deployment efficiency enabling global scale adoption”

- ✓ Integrated with Microsoft Azure / AWS / Google Cloud
- ✓ Supports on-premises, private cloud, and marketplace deployments
- ✓ Expansion across enterprises, government, and education institutions (non-developer friendly)
- ✓ LLM-powered localized services for specific regions (e.g., Southeast Asia, Middle East)

Thank You for Your Attention



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