Optiak - Making Enterprise AI simple, smart and secure

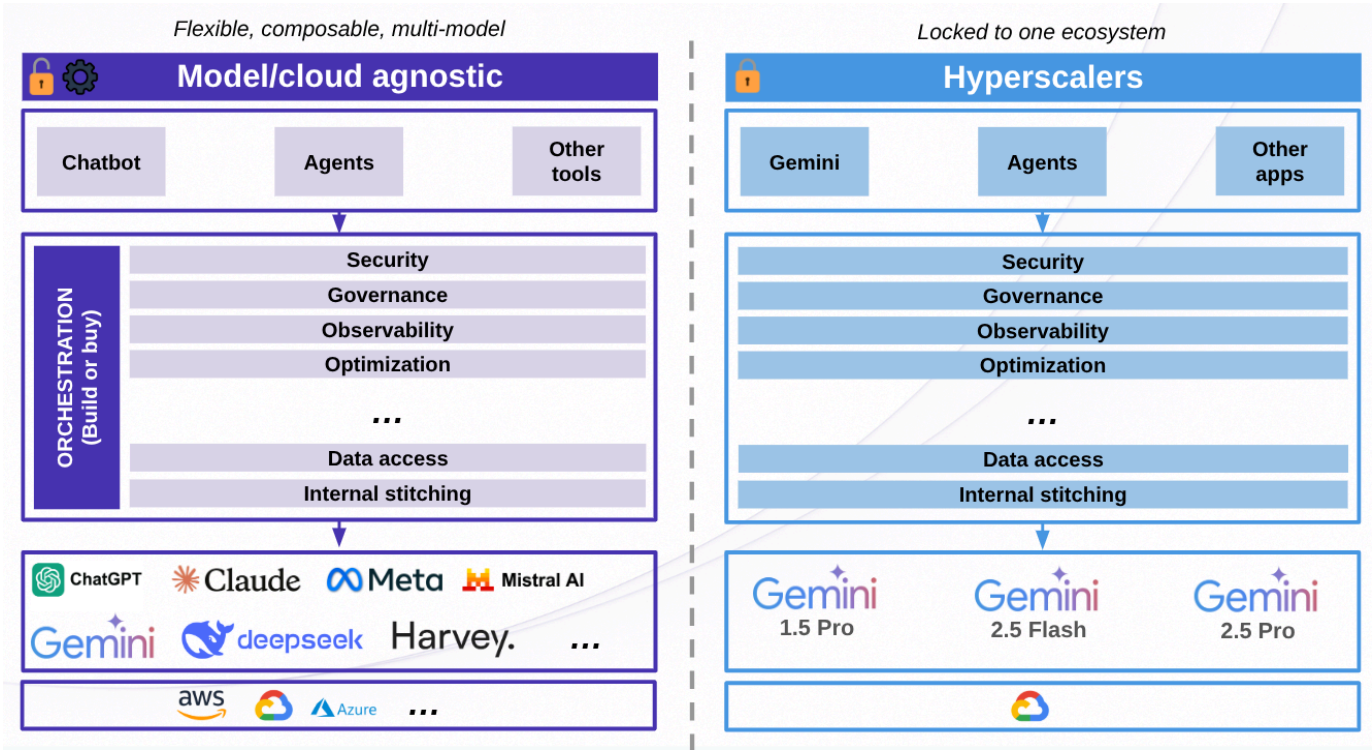
TL;DR: Optiak's mission is to help companies deploy AI in an optimized way. We provide a single access point to all major AI models + we provide a set of layers or building blocks in order to optimize the interaction with each model on an individual basis. We enable companies to access over +200 different models through a single API endpoint, intelligently optimizing the relationship with each LLM by understanding the specific context of a problem and matching it with the model that provides the best response at the best cost. Beyond simple access, Optiak provides seven core layers that deliver an all-in-one experience in a highly fragmented market, helping companies navigate complexity and successfully move real AI-driven products into production without stitching together static, inefficient multi-vendor frameworks. These layers enable enterprises to set the highest levels of personalization, governance, and observability to maximize the efficiency of every AI interaction; furthermore, while the complete platform offers maximum benefit, we ensure full modularity so that large enterprises can consume specific layers to integrate seamlessly alongside their existing tech stacks.

1. The Problem

As enterprises begin their AI journey, they face an immediate strategic dilemma: rely entirely on a single hyperscaler's capacity to innovate, or adopt a multi-vendor strategy to access the "latest and brightest" tools in the market. Beyond this initial choice, they must immediately navigate inherent risks related to model reliability and data privacy, all while attempting to operationalize these technologies in a highly fragmented and complex market ecosystem. We have detected three main challenges companies face in different stages of the AI development journey:

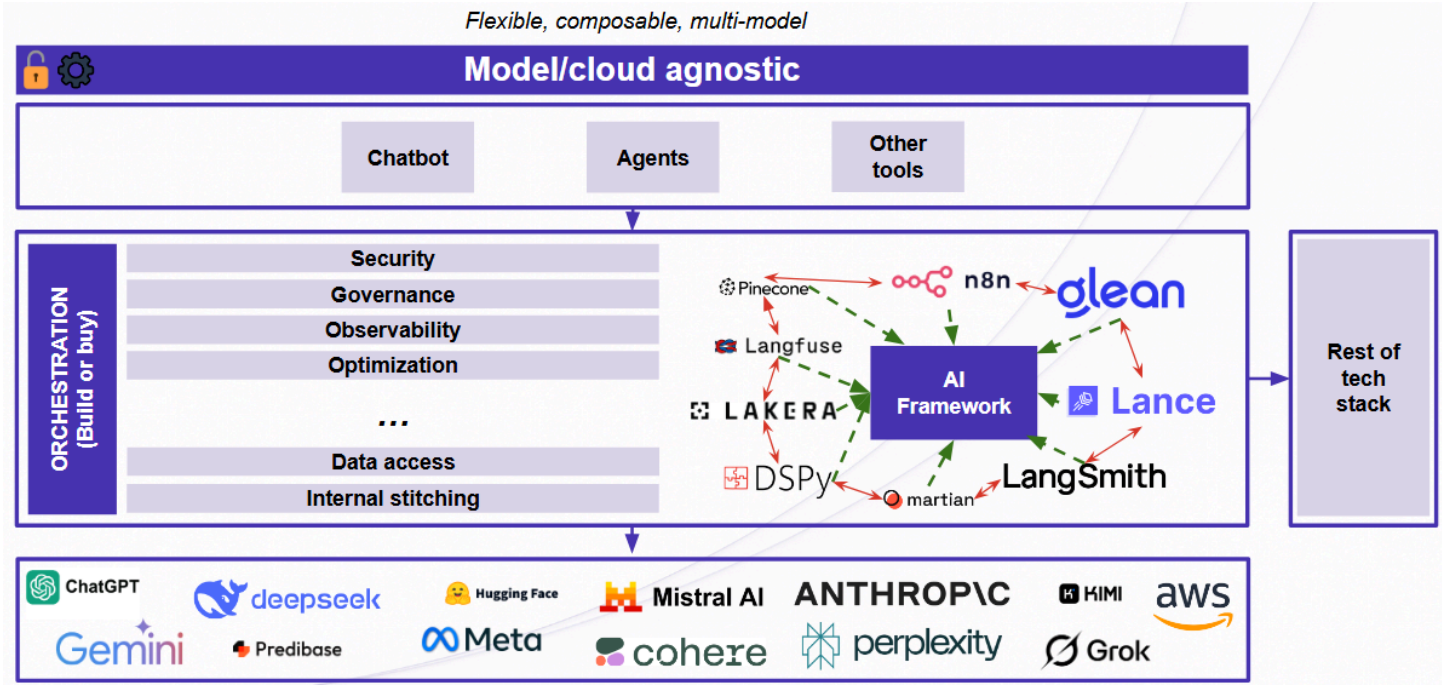
- The Innovation Absorption Bottleneck (Early Stage): Relying solely on one hyperscaler carries a high strategic cost, which is missing the market's latest innovations while competitors capitalize on them. However, the alternative multi-vendor path immediately exposes enterprises to the relentless pace of AI innovation. With 77% of companies worried about falling behind the AI curve, and new models/tools/vendors emerging constantly with different capabilities, costs and policies, enterprises lack the sustainable infrastructure needed to interact efficiently with this fragmented ecosystem.

First question: Hyperscaler or Multi Vendor AI Strategy?



- The Inherent Risk Barrier (Integration Stage): As companies realize they need a more sophisticated multi AI vendor/tool strategy they need to start thinking about building an internal interaction framework. This approach must ensure AI is fully integrated across internal and external tools, and thus critical inherent risks emerge. Data is a sacred corporate asset, and 83% of companies are worried about sharing it with LLMs, fearing privacy leaks and misuse of sensitive information. Simultaneously, in business-critical environments, reliability is paramount, yet 85% of companies cite GenAI hallucinations as a major blocker to adoption.
- The "Hardcoded Glue" Trap (Advanced Stage): Advanced enterprises trying to solve real production issues face exponential complexity. A major finding is that these companies are manually "stitching" together disconnected point solutions such as security vendors, observability platforms, model providers and many more leading to "homegrown" frameworks that are static,

expensive to maintain, and quickly obsolete. This results in operational brittleness, non dynamic in flight decision making where adapting to new models, cost changes, or varying local data policies becomes nearly impossible.

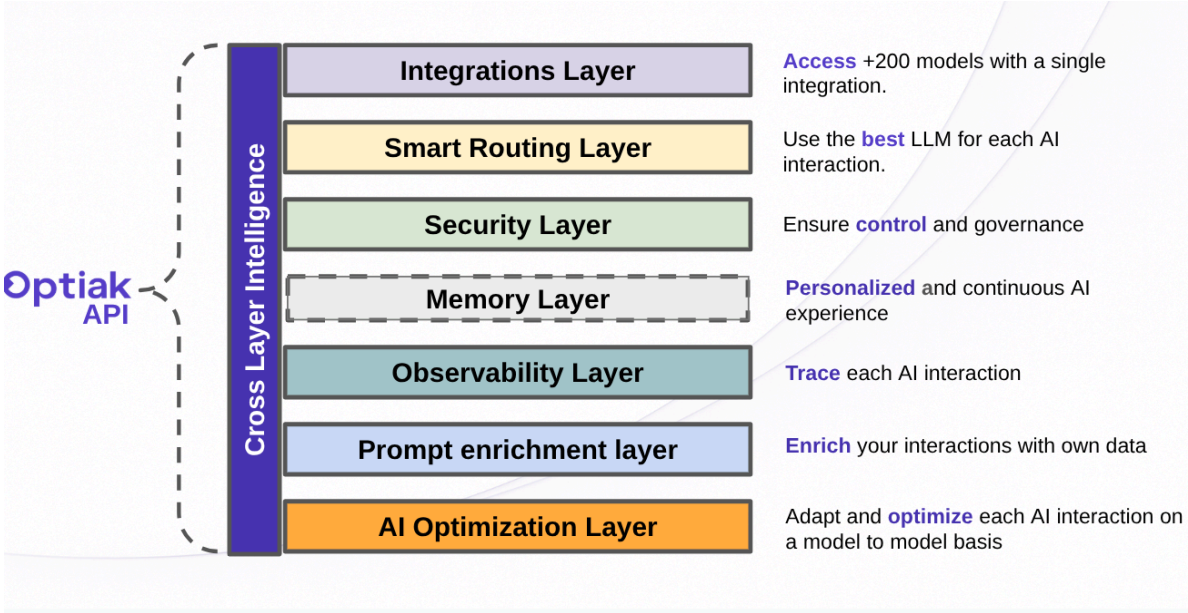


2. The Solution

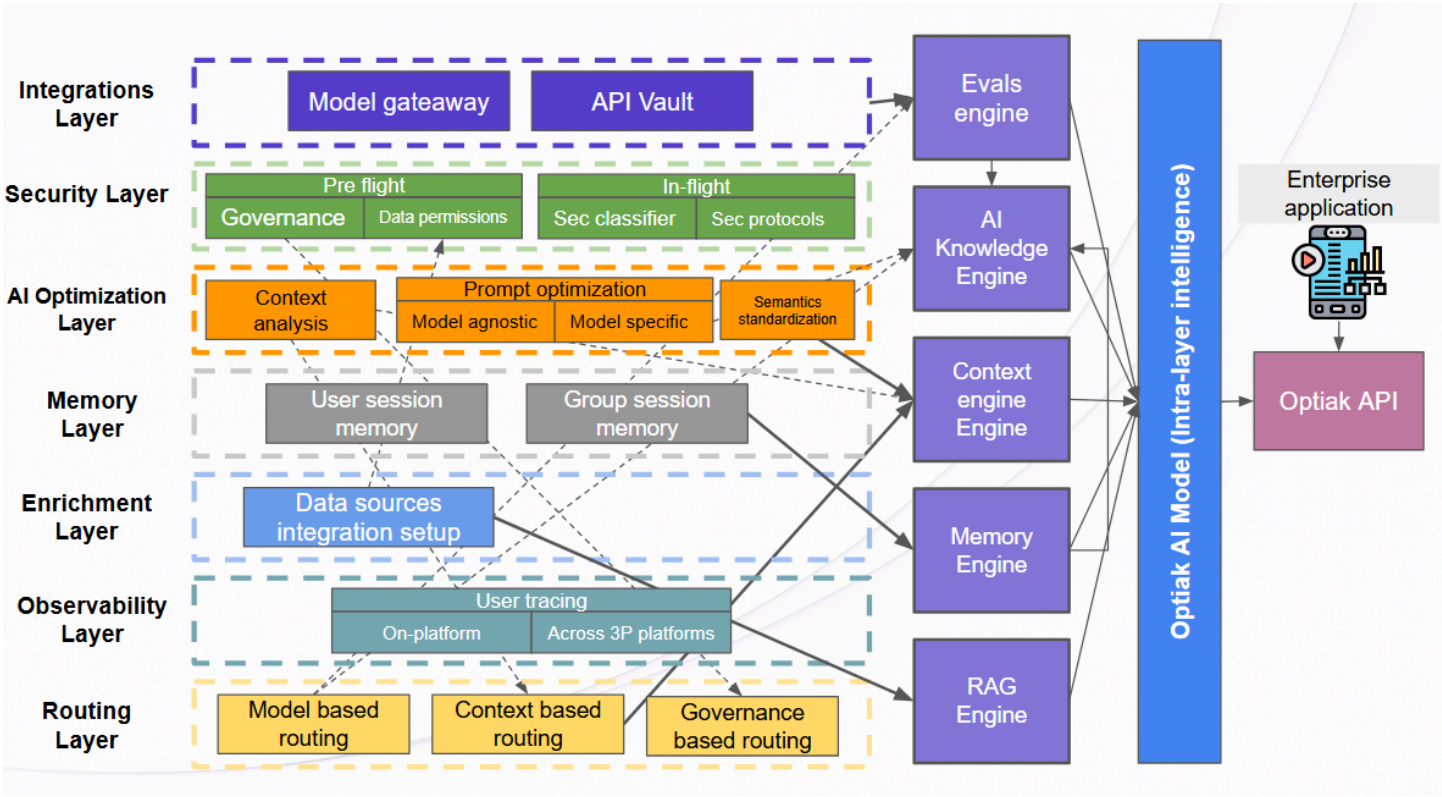
Optiak is the unified enterprise AI platform designed to move companies from static, fragmented tool adoption to dynamic, mission-critical production. We provide a single, standardized interface to the entire AI ecosystem, enhanced by deep optimization layers that make every interaction safe, observable, and reliable by default. Instead of stitching together disparate vendors for routing, security, and observability, Optiak offers an all-in-one experience that allows enterprises to absorb the latest innovations without constantly rebuilding their infrastructure. While Optiak provides the most value as a complete, end-to-end platform, we understand the complex reality of large enterprises. Our architecture is fully modular, allowing companies to consume specific layers, such as our smart router or security gateway, alongside their existing tech stack, providing the flexibility needed for complex integration environments. Each layer is composed by a set of building blocks or features which enables the company to decide how they want to use our platform.

2.1. How does it work?

Optiak transforms every interaction into a high-quality, cost-optimized, compliant task by combining a series of optimization “layers”



Which are then exposed as high level building blocks, so that the company can pick and choose their desired features inside the same AI framework (our AI Model).

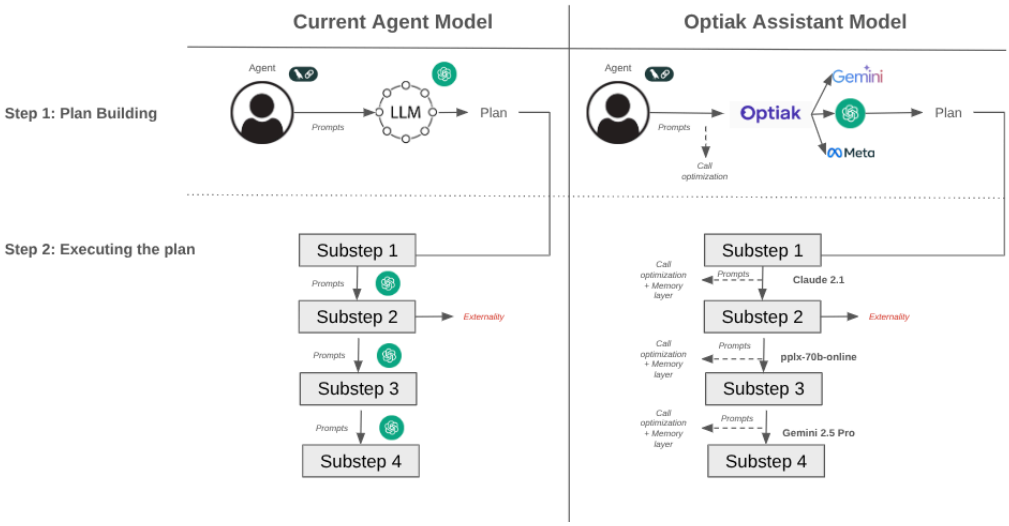


2.2. Use cases (Note, we do not provide use cases by default, we enable companies to use our platform to build their own use cases (E.g we do not provide an agent building platform or a chatbot). These are just some ongoing examples:

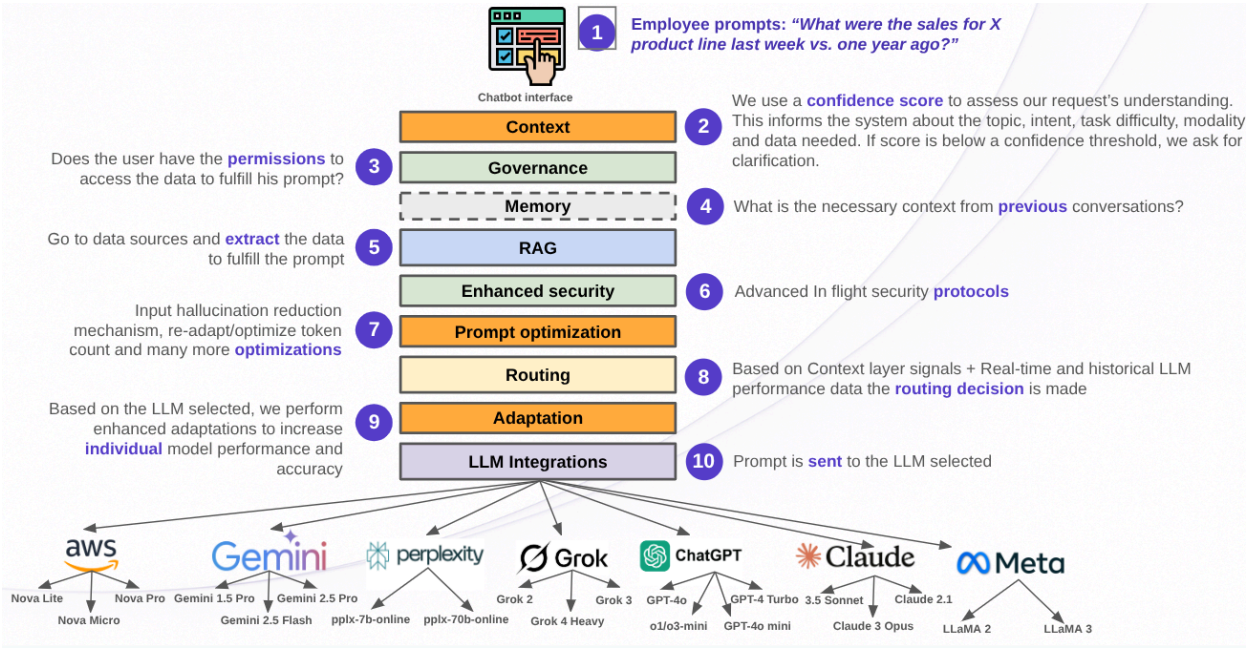
2.2.1 Optiak Agent Assistant model

Our comprehensive approach to AI agents is a unified strategy designed to both enhance agent performance and ensure rigorous enterprise-grade governance. As companies move from simple prompts to autonomous agentic workflows, they face the dual challenges of unpredictable, runaway costs and a lack of visibility and control over a diverse fleet of agents. Our platform addresses this with an integrated solution that combines an intelligent orchestration engine (the Super Agent Assistant) with a centralized governance layer (the Agent Control Tower), providing an end-to-end framework for the agent-driven enterprise.

By analyzing each step of an agent's process and its context, the engine intelligently routes sub-tasks to the most appropriate model, using faster, cheaper models for simple planning and reserving powerful, expensive models for complex reasoning. This layer also manages an agent's memory and state, using the Persistent Interaction Context and Preference Layer (PICPL) as a long-term memory and a "Persistent Task Graph" to track the state of multi-step tasks.

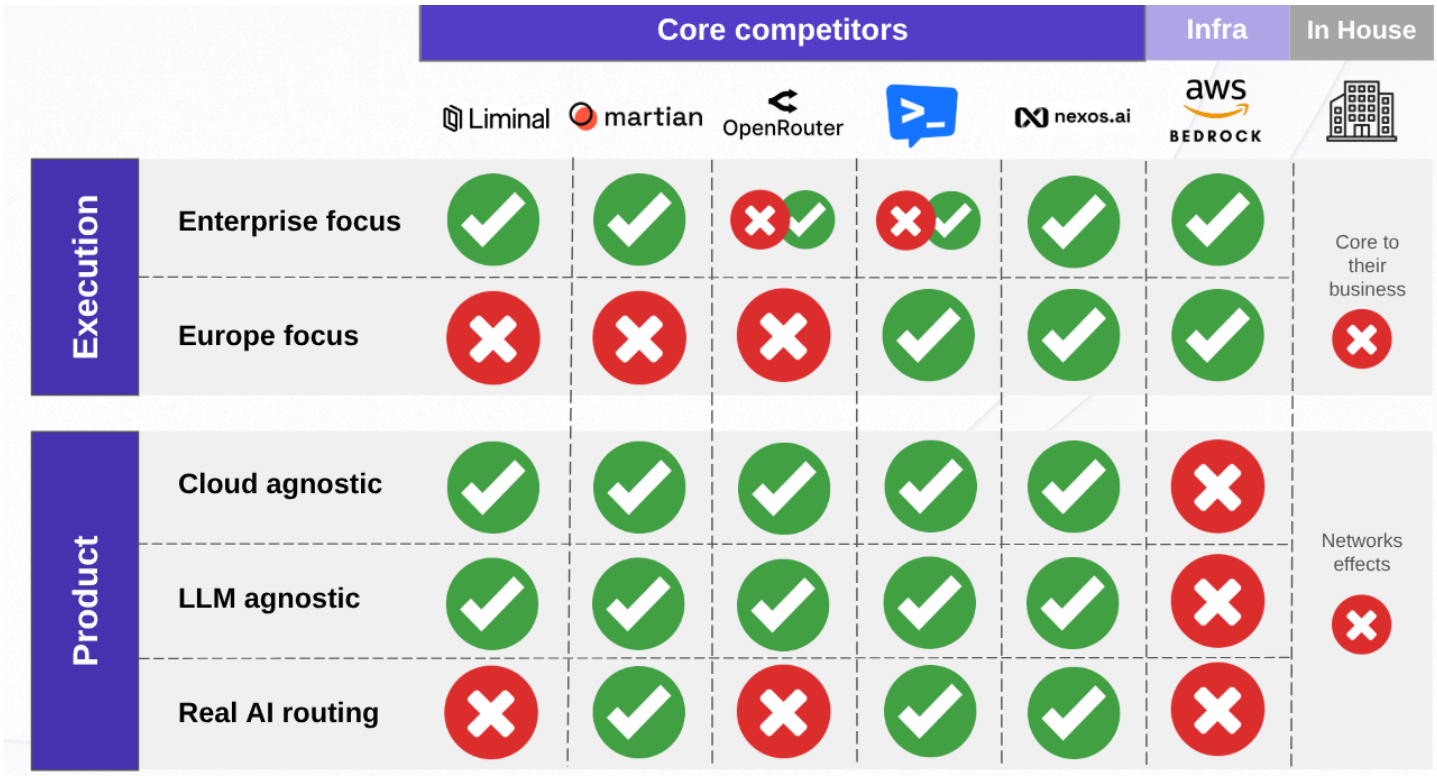


2.2.2 Chatbot use case



3. Why is it Different? Most GenAI tools on the market today fall into narrow categories: model-centric APIs (e.g., OpenAI or Claude), developer utilities (e.g., Langfuse or PromptLayer), or internal orchestration stacks built in-house by large engineering teams. These solutions often address isolated parts of the problem such as routing, prompt engineering, analytics, security, or observability, but none offer a full-stack abstraction layer purpose-built to manage enterprise-grade AI complexity.

Optiak is not yet another tool, it is a unified orchestration and optimization platform that wraps the entire AI interaction lifecycle in a highly modular, plug-and-play system. Rather than replacing a company's existing AI stack, it enhances it, offering seamless integration with internal systems, external models, proprietary workflows, and compliance protocols. Optiak is purpose-built to meet the complex, evolving needs of enterprise AI adoption, delivering not just powerful features, but long-term strategic advantages. Optiak's architecture is designed to abstract away market volatility, integrate flexibly into any stack, and optimize every AI interaction with intelligence, resilience, and control.



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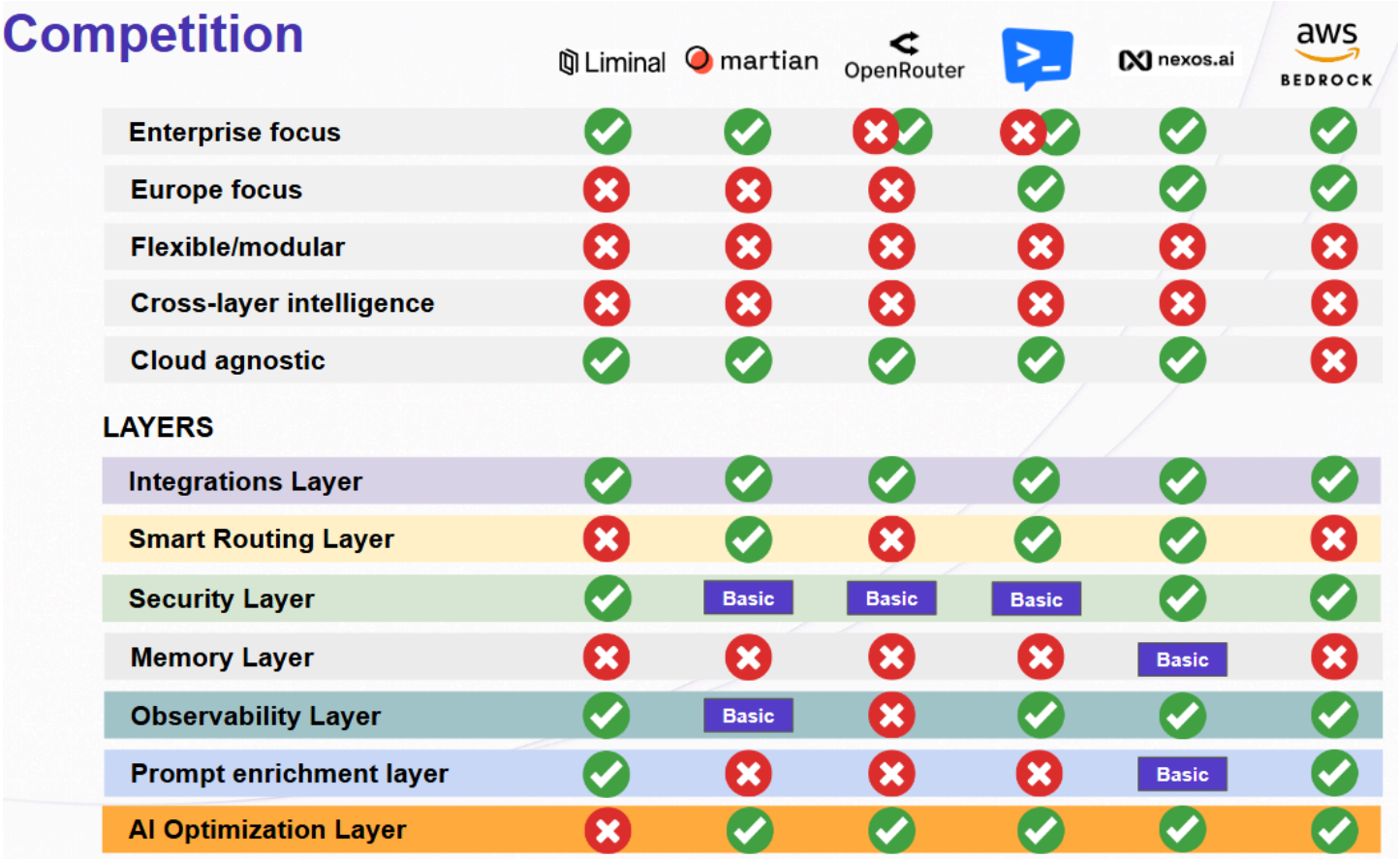

The foundation of Optiak's competitive edge is built on 6 key pillars:

1. Platform consolidation and unified AI gateway: Optiak will provide a single orchestration layer that consolidates the entire GenAI interaction stack routing, enrichment, memory, observability, evaluation, and governance into one enterprise-grade platform. Through a unified API endpoint, enterprises gain seamless access to all major models and providers (OpenAI, Claude, Gemini, Llama, Mistral, custom LoRAs, and more) without managing fragmented integrations or multiple contracts. Optiak will abstract away model volatility and vendor complexity, delivering unified billing, simplified procurement, and a centralized AI governance layer. This consolidation eliminates tool sprawl, accelerates time-to-value, and future-proofs the enterprise AI stack whether teams want to adopt Optiak incrementally or deploy it as their standard AI operating system.
2. Enterprise-grade: Optiak will deliver the oversight and control required to deploy GenAI at scale. From detailed usage analytics and cost dashboards to centralized policy enforcement, Optiak will make it easy for enterprises to set access controls, apply compliance policies (SOC2, HIPAA, GDPR, FedRAMP), and explain every model decision. Every interaction will be fully traceable with audit logs, data lineage, and user accountability baked in.
3. Real-Time optimization for output quality and efficiency: Optiak will optimize every step of the AI interaction - from prompt restructuring and parameter tuning to context injection and hallucination mitigation. Standardized instruction templates will ensure consistency across models. Cross-model response validation will enhance factuality and features like prompt caching and a carbon-aware router will improve cost efficiency and environmental impact.
4. LLM and cloud agnosticism: Optiak will be fundamentally multi-cloud and model-neutral, ensuring companies are never locked into a single provider. Workloads will be routed dynamically based on geography, latency, performance, carbon footprint, or model specialization. This flexibility will provide resilience against outages, API shifts, or geopolitical risks.
5. Modular architecture: Optiak will not be a black box. It could be used as a full SaaS platform, white-labeled UI, or deeply embedded API - offering full developer control via SDKs, REST interfaces, and integration guides. Companies will be able to mix and match modules (routing, memory, optimization, observability) and deploy their own logic, models, or security layers on top.
6. Compounding personalization engine: The more time a company will use Optiak, the better it will get for their specific activity. Every interaction with Optiak will make the platform smarter and more tailored to each enterprise's unique workflows, data landscape, preferences, and policies. The longer a company will use Optiak, the more it will become fine-tuned to their environment, acting as a personalized AI layer that understands their people, systems, and language. Optiak will become exponentially more valuable to a customer the longer they use it.