Kognitos
Generative AI for Automation™

ENABLING

The Safe Use Of Large Language
Models In The Enterprise

LLM

Enabling the Safe Use of
## Large Language Models in the Enterprise

In the era of rapid technological advancement, Large Language Models (LLMs) like ChatGPT have revolutionized how we interact with data, offering unprecedented insights and automation capabilities. However, this innovation comes with its own set of challenges, particularly concerning privacy, security, and the ethical use of data. Enterprises are increasingly wary of the potential for leaking or inadvertently sharing sensitive information outside their controlled environments. Addressing these concerns, Kognitos emerges as a pioneering solution, enabling the safe and secure use of LLMs within the enterprise landscape.
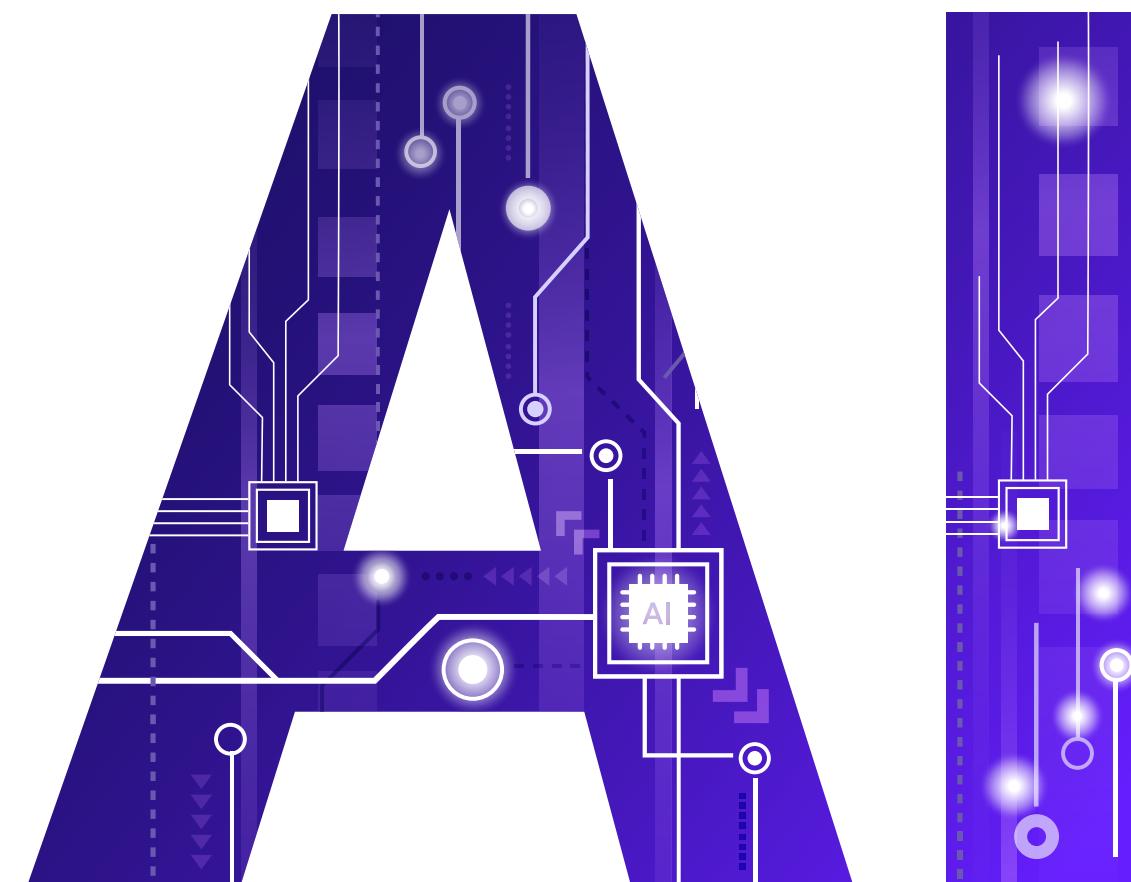
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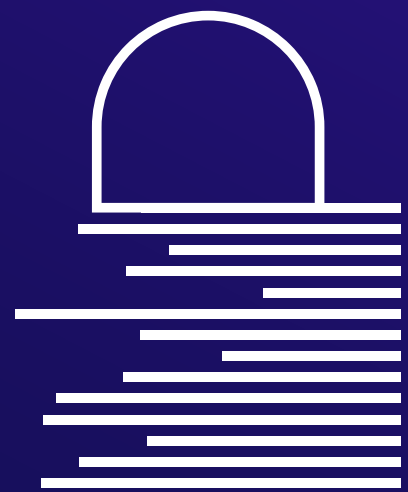
The Challenge of
DATA
Privacy and Security in LLMs

The core of the issue lies in how LLMs are trained and utilized. Traditionally, these models are developed using vast datasets from the internet, including proprietary and sensitive information that enterprises would prefer to keep confidential. When fine-tuned with domain-specific data, there's a risk that this information could be embedded within the LLM, potentially exposing it to unauthorized parties, including competitors.

Moreover, the opaque nature of LLMs' training and inference processes complicates the traceability of data sources, raising concerns about copyright infringement and the unauthorized use of proprietary data. These challenges underscore the need for a new approach to leveraging LLMs' power without compromising privacy, security, and compliance.

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A **PARADIGM SHIFT** in Enterprise LLM Utilization

Kognitos introduces a groundbreaking platform that addresses these challenges head-on, providing enterprises with the flexibility to harness the capabilities of LLMs while ensuring data privacy and security. Here's how Kognitos is changing the game:

Enterprise
SAFE LEARNING
and Knowledge Composition

Kognitos features an AI brain capable of composing knowledge and learning in a manner that's safe for enterprise use. Unlike traditional LLMs, the Kognitos brain starts with a foundational understanding of natural language and is then selectively exposed to domain-specific knowledge (called books) chosen by the enterprise. This ensures that the learning process is controlled and relevant, minimizing the risk of sensitive data exposure and hallucinations.
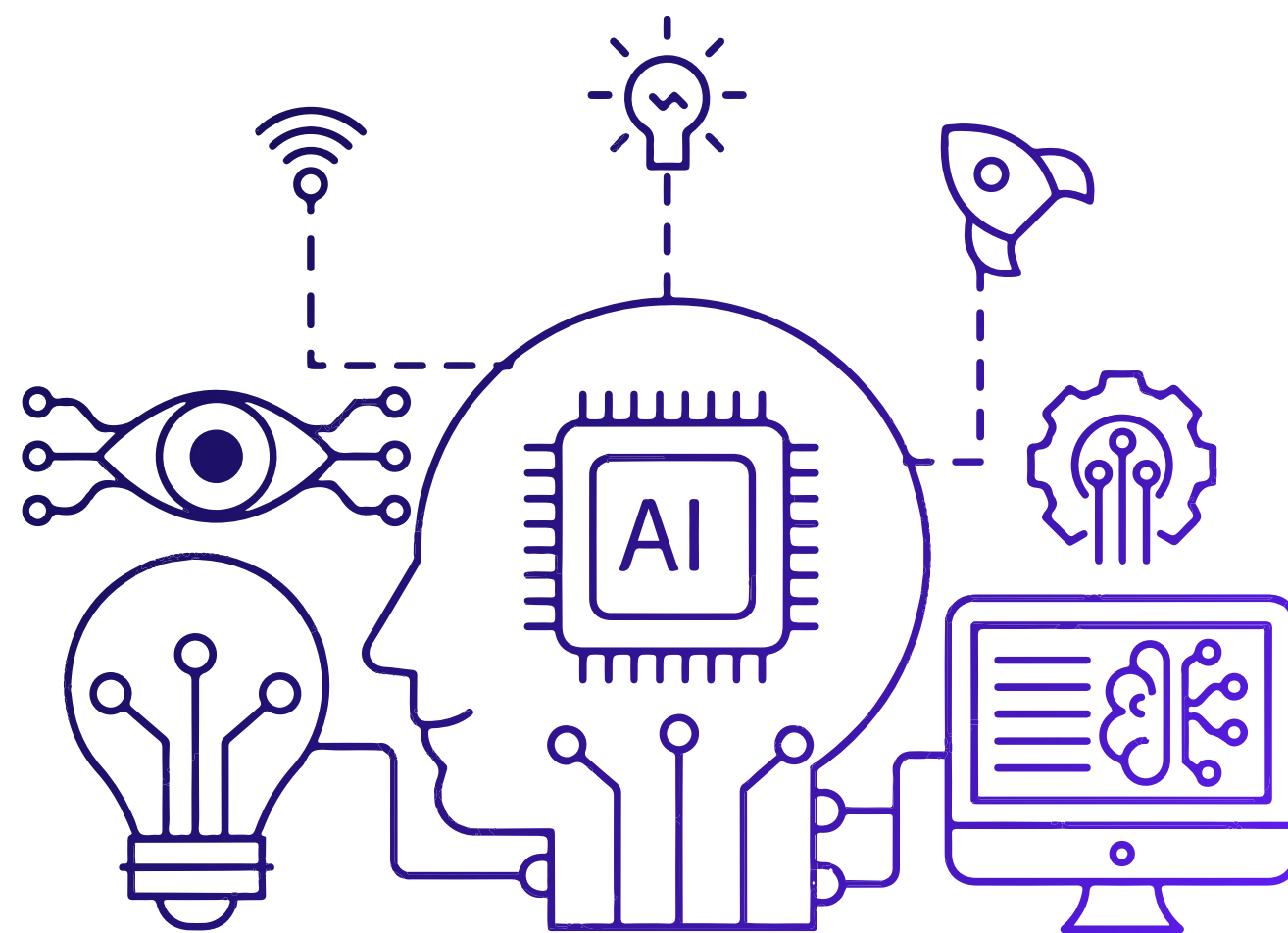
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COMPARTMENTALIZED
### Knowledge Datasets

A key innovation of Kognitos is its ability to keep the learnings derived from business processes and exception handling within a compartmentalized dataset isolated from other customers' data. This approach ensures that any knowledge gained from an enterprise's data remains confidential and is not used to train models that could benefit other entities.
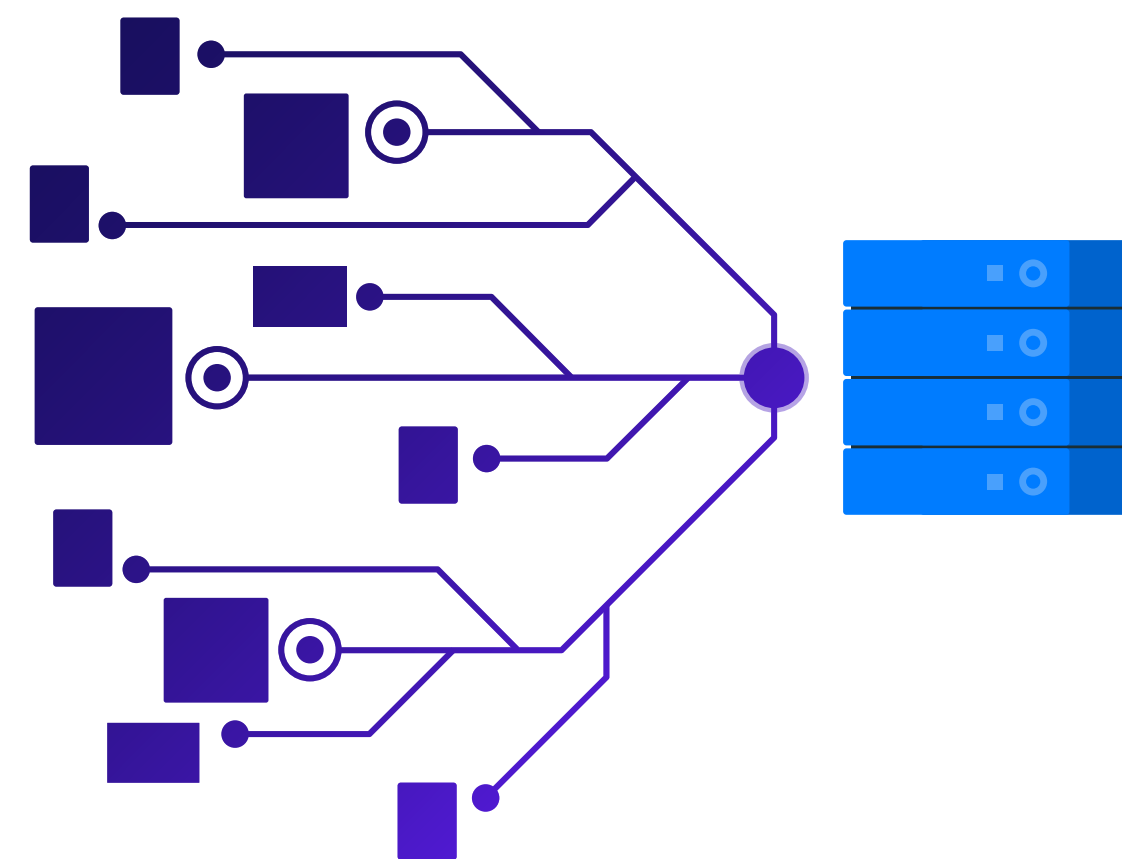
Transparent and Editable
AI LEARNING

Kognitos empowers business users with the unique ability to review, edit, or even remove learned processes and exception-handling behaviors in natural language. This level of transparency and control is unprecedented in the AI domain, allowing enterprises to dynamically adjust their AI-enabled business processes in response to evolving business needs without requiring IT intervention or dataset tuning. Both learning and unlearning of business behavior are fully within the control of the business stakeholders with a unique patented technology stack made available via the Kognitos platform.
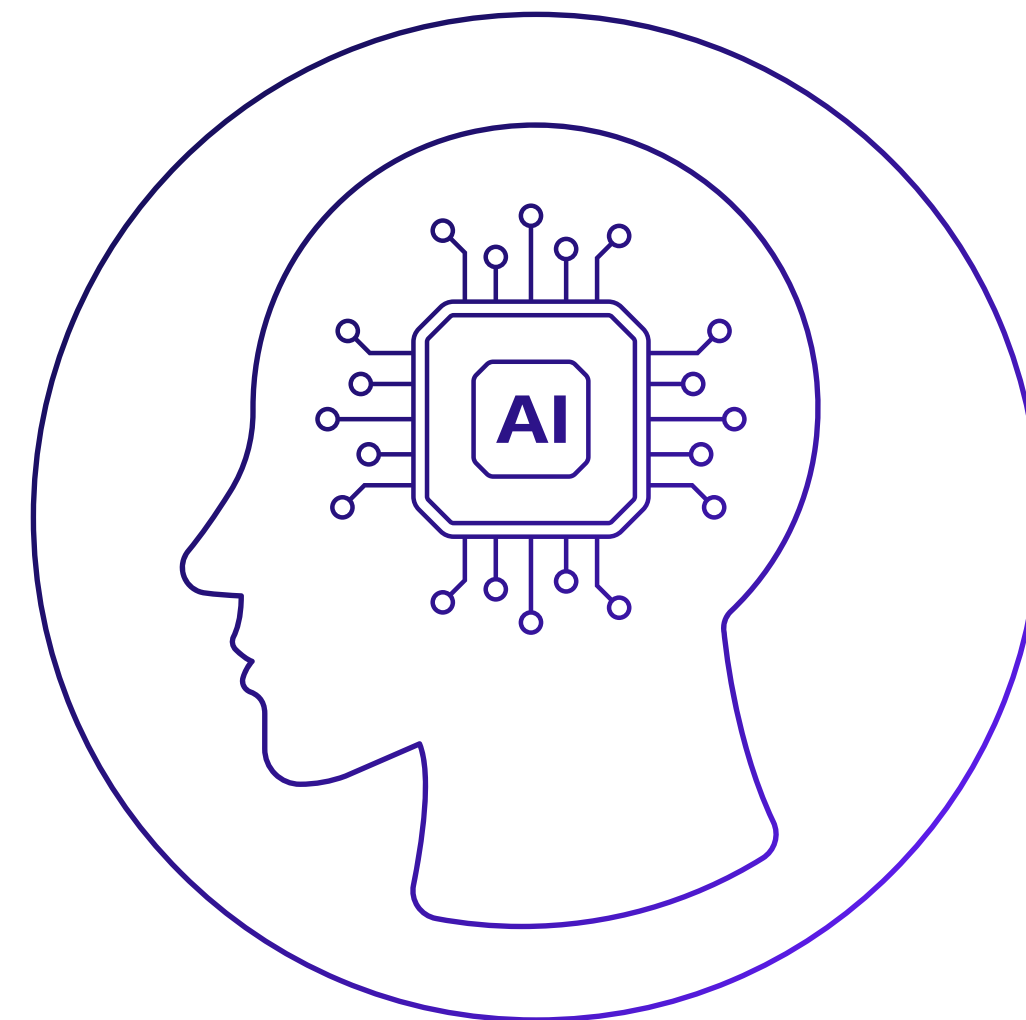
While Kognitos allows the integration of public LLMs, it also provides robust validation capabilities to mitigate risks associated with biases and inaccuracies inherent in these models. The platform's architecture is designed to avoid the pitfalls of bias and hallucination, ensuring that its insights and automation are reliable and ethically sound. Kognitos' faithful AI execution engine allows the business process expert to provide validation rules in natural language that can mitigate hallucination issues by ensuring the resultant data from LLMs is within the expected norms or bounds. For example, an extract invoice number could be cross-checked with an SAP system in the backend, or an SSN could be checked to ensure it has 9 digits.

07 FLEXIBILITY
in LLM Utilization

Recognizing the diverse needs of enterprises, Kognitos offers the flexibility to use external LLMs, deploy homegrown models, or operate without LLMs for workflows that demand traditional AI or non-AI capabilities. This versatility ensures that enterprises can tailor their automation and AI strategies to their specific requirements and risk profiles without being forced to use a platform that hides the internal knowledge architecture from the end customers. Kognitos believes in full transparency and composability of enterprise knowledge and learning in a way that eliminates most of the challenges that LLMs are facing in the enterprise. These capabilities have allowed Kognitos to bring significant ROI enabled by AI to F50 and F500 enterprises in many critical financial and HR processes.
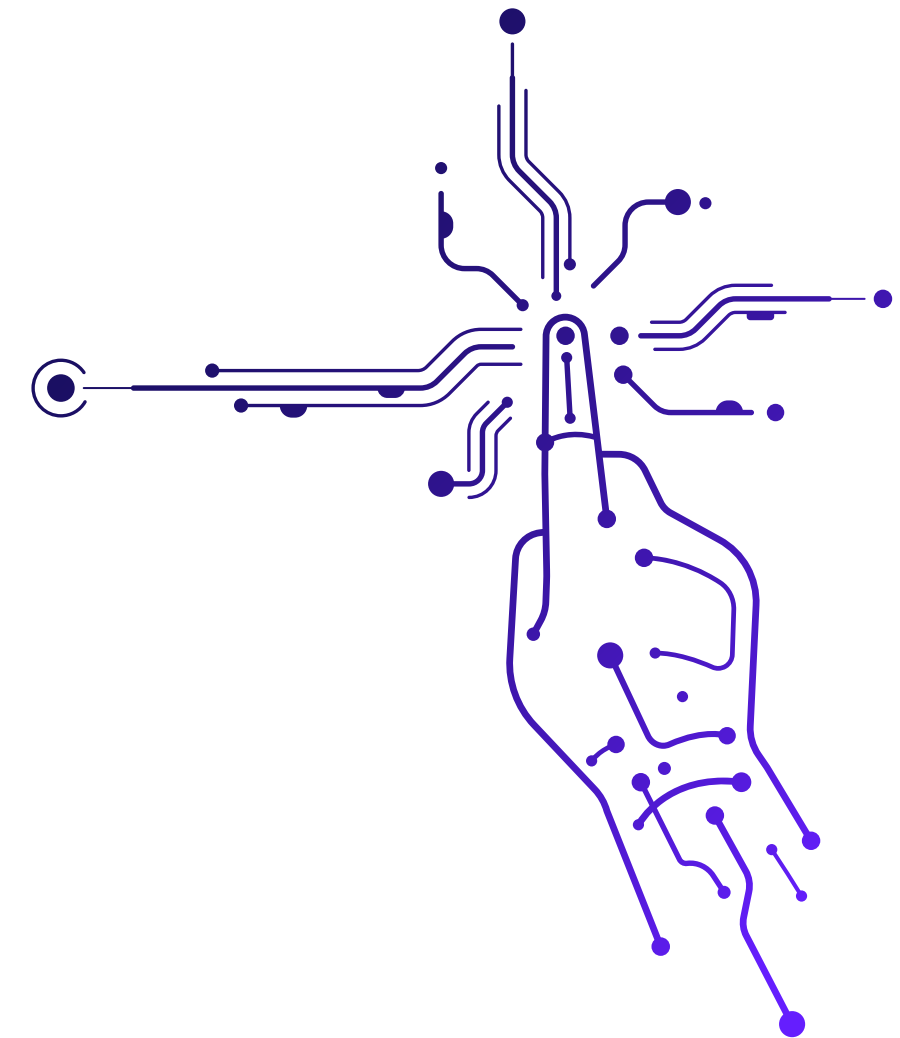
CONCLUSION

As enterprises navigate the complexities of digital transformation, the need for solutions like Kognitos has never been more acute. By enabling the safe and secure use of LLMs, Kognitos protects sensitive enterprise data and unlocks the full potential of AI-driven automation and insights. In doing so, Kognitos sets a new standard for privacy-preserving, ethical AI utilization in the enterprise, ensuring that organizations can confidently embrace the future of AI-accelerated business processes. Kognitos is SOC2 type 2 and HIPAA compliant.

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About Kognitos

Kognitos is the private & safe Generative AI to automate any business process in real-time, using plain human language. Robotic process automation and workflows rely on consultants, data scientists, software engineers and IT staff to model and mimic existing business processes. This traditional approach is resource, time and $ intensive, and does not fully address the major pain points in automation: conversational exception handling and document processing. Kognitos' Generative AI solution, Koncierge, self-learns and adapts to existing business processes and works as a force-multiplier within business units and centers of excellence, enabling the business users to focus on informed business decisions and supercharging their capabilities to stay ahead in the age of AI.

Contact Us
www.kognitos.com