

Point of view

Modernize your apps, cloud and data with agentic AI

Human-like intelligence to drive
business outcomes



With optimal data, modern applications and seamless cloud management, your organization will be primed for innovation and success in achieving your business objectives. Agentic AI can support this mission.

The power of agentic AI

Maximizing the value derived from your data, applications and cloud investments is a crucial priority for digital transformation. Agentic AI can support this mission.

Many people confuse agentic AI with chatbots like ChatGPT, but this overlooks its distinctive capabilities. Agentic AI operates with autonomy, makes decisions independently and pursues objectives with purpose, much like humans do. These systems analyze situations, learn from experiences, adapt to new conditions and select optimal paths to reach defined goals. Among your AI options, agentic AI delivers the most sophisticated, human-like intelligence for driving business outcomes.

Agentic AI can independently manage and modernize applications, data and cloud environments through a variety of actions:

- Update legacy systems autonomously so they remain efficient and secure.
- Optimize data management and cloud operations and reduce manual intervention.
- Orchestrate actions across applications, data and cloud for a seamless and integrated IT environment.

This holistic approach increases efficiency and agility in IT operations, allowing IT teams to focus on strategic initiatives. Agentic AI drives innovation and maintains a competitive edge, showcasing its potential to revolutionize application, data and cloud environments.

Agentic AI for applications

The analytical and automation integration capabilities of agentic AI make it an effective tool for managing and modernizing applications. Agentic AI combines AI and automation, with AI driving your environment's existing automation procedures and processes.

Many organizations are eager to implement AI solutions. However, they struggle to fully integrate agentic AI capabilities and achieve ROI when their financial operations and other parts of the organization haven't reached the necessary level of modernization.

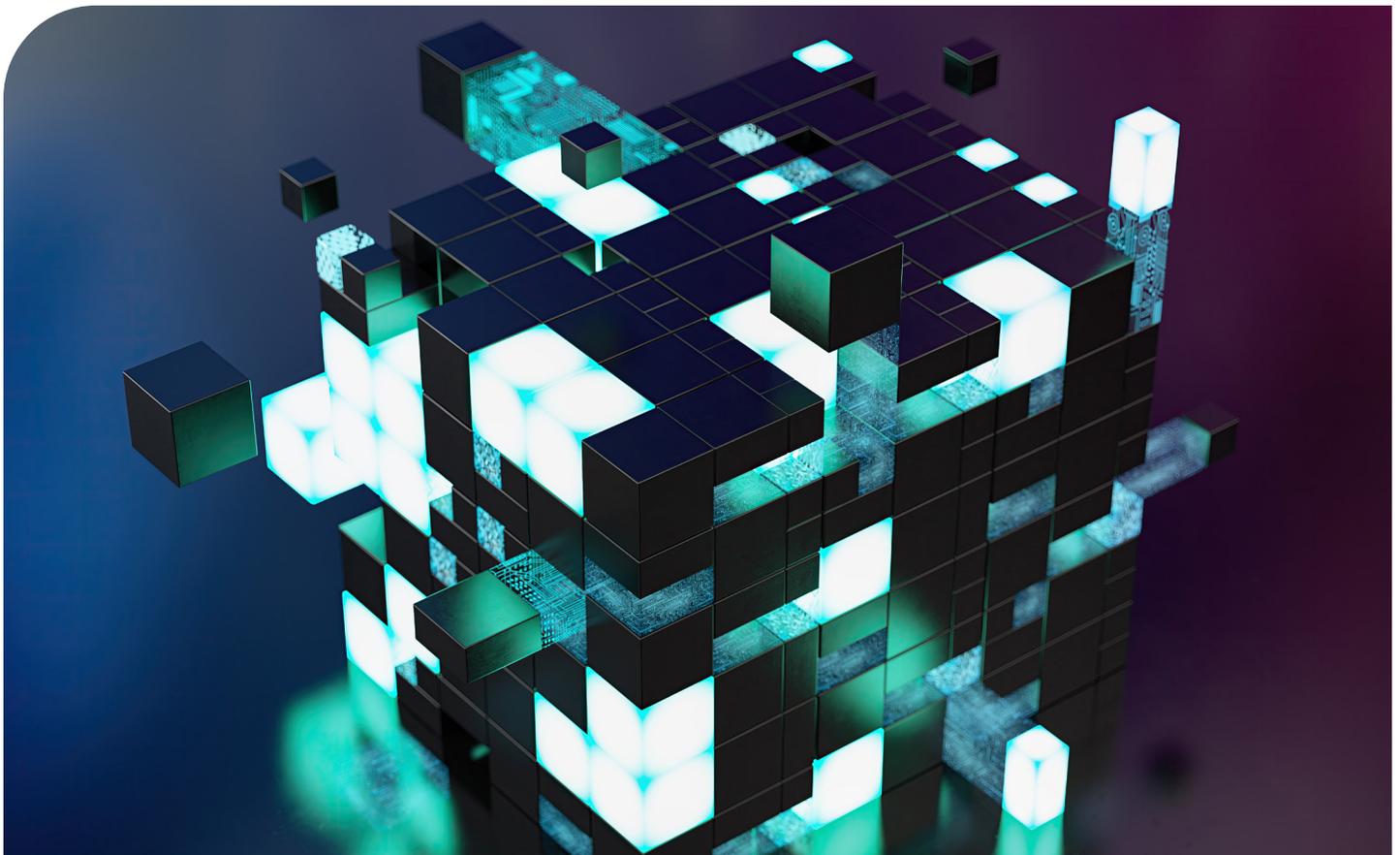
With agentic AI systems, you can:

- Detect performance degradation and bottlenecks based on your requirements.
- Ramp up resources and spin up more instances automatically. For example, if you have a three-tiered web application, you can use agentic AI to create a new frontend web service or enhance CPU and RAM allocations if your data backend isn't performing.
- Analyze the integration of your applications and their underlying infrastructure, recommend actions and migrate content to different data tiers to enhance your application stack's performance.



Benefits for applications

- **Increased employee productivity:** Agentic AI's automation reduces routine manual tasks like patching and gives employees more time for research and development, experimenting with new technologies, advancing roadmaps for the application stacks and other innovative projects.
- **Greater IT efficiency:** By enabling agentic AI capabilities in your IT operations environment, you can reduce cloud costs by dynamically allocating resources up or down based on demand. This ongoing assessment and fine-tuning of your environment leads to significant financial benefits.
- **Enhanced user experience:** Agentic AI's predictive analytics can help you finesse your business operations to deliver a superior experience while optimizing application performance to boost satisfaction.





Agentic AI for data

Agentic AI can advance data management by monitoring all types of data, including structured and object types, across platforms, including data lakes and more traditional databases. This simplifies data management because agentic AI analyzes data usage and recommends steps for improvement.

Agentic AI can increase your efficiency and advance your strategy in two key data management areas:

- **Data performance:** Agentic AI can identify instances when data operations and systems that handle your data are not performing at a service-level agreement level and take action to improve performance. Depending on your data flexibility and maturity, AI-driven data optimization could mean moving data to faster flash disks or to a different data platform.
- **Data governance:** Agentic AI can identify data access anomalies, including when someone tries to access data they're not authorized to access. It can also recognize the sensitivity of the data, whether it requires encryption and which mechanisms are necessary to validate identities and protect data access. It goes beyond *who* has access to encompass *where* the data is stored.



Handling of mission-critical data

Every conversation about data governance must consider your mission-critical data. If you lose access to this data, your organization won't function. However, agentic AI can preserve your data accessibility by creating redundant copies across geographically diverse locations, protecting against the loss of a specific data center or regional outage. Agentic AI can also trigger application detection and response, business continuity plans, digital rights management or other security and governance tools.

Agentic AI for cloud

Many organizations struggle with a major cloud operations challenge: balancing satisfying performance requirements and keeping costs low. They usually use traditional or cloud provider-provided tools to fine-tune resourcing, but those have limitations such as requiring human intervention.

You can use agentic AI to gain agility and boost efficiency in cloud environments in a few ways, including:

Allocating resources: Agentic AI can monitor resource usage; predict demand; dynamically allocate virtual machines, storage and other cloud resources; and migrate workloads to different locations as needed.

Predicting needs: By analyzing historical data and real-time trends, agentic AI can anticipate spikes in resource needs and adjust the cloud infrastructure accordingly, minimizing downtime and improving user experience.

Optimizing performance: Autonomous AI agents can constantly fine-tune the parameters and configuration of cloud-based applications and services to improve performance and scalability based on factors like usage patterns.

Managing costs: Agentic AI can identify resource consumption patterns and savings opportunities, automatically implementing strategies like reservation planning, instance rightsizing and efficient workload distribution.



Agentic AI's role in FinOps

Organizations want to prevent governance breaches, establish financial structure and enforce governance controls for developers and others with access to their cloud environments. Agentic AI can help ease common hurdles like approval processes or resource spinup delays, enabling organizations to embrace governance and FinOps practices without worrying about an impact on productivity.

Orchestration across domains

Organizations aim to maximize ROI from their applications, data and cloud investments but often rely on a simple lift-and-shift approach. While they migrate their data center contents to the cloud with intentions to modernize later, resource constraints frequently delay these plans. Consequently, they accumulate substantial legacy technical debt and fail to leverage the cloud's full capabilities.

Agentic AI can orchestrate actions across applications, data and the cloud. This holistic approach can contribute to a seamless IT environment. Consider these two examples showing how agentic AI can integrate and manage processes across applications, data and the cloud.

Legacy system modernization scenario: An agentic AI system identifies an outdated application running on a legacy system. It updates the application, optimizes the associated data storage for better performance and ensures the application is seamlessly integrated into the cloud environment. This holistic approach reduces downtime, enhances security and improves overall efficiency.

Dynamic user demand response: An agentic AI system detects a spike in user activity on a cloud-based application. It investigates whether the spike is from legitimate uses. If it is, it scales the cloud resources to handle the increased load, optimizes the data flow to ensure smooth performance and updates the application to handle the new user demands. This integrated approach provides a seamless user experience, maintains performance and prevents potential system failures.

Strategic benefits of agentic AI

Unlike conventional AI tools like ChatGPT or Copilot, which primarily assist with content creation, agentic AI delivers intelligent decision-making that can advance your business strategy. Its most valuable contribution is providing an objective, unbiased perspective. While your IT team members naturally develop preferences for specific tools, platforms and technologies over time, these inherent biases can inadvertently stall innovation.

With agentic AI, your IT teams can dedicate more energy to strategic initiatives rather than routine decisions and maintain a competitive edge. When evaluating which platform or application best suits a particular dataset, agentic AI conducts impartial analysis based solely on business objectives and performance metrics — free from the historical preferences that might otherwise influence technical decisions. This objectivity helps organizations discover optimal solutions they might otherwise overlook, maintaining their competitive edge in rapidly evolving markets.

How Unisys can help

Unisys offers application modernization, cloud transformation and management, and data and analytics solutions that address your specific needs:

Unisys Application Transformation solution: Move business applications to the cloud and transform operations, accelerating time to market, decreasing costs and increasing performance.

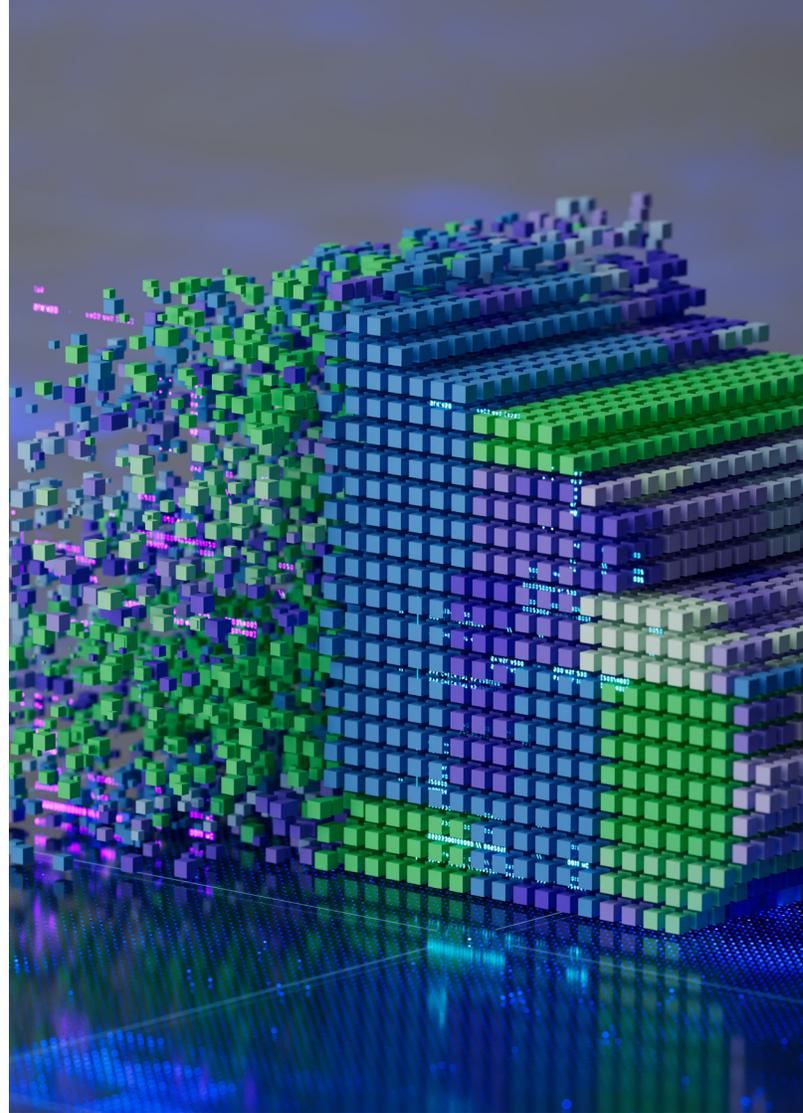
Unisys Cloud Management solution: Optimize your cloud investment, including your data center and hosts, with our cloud deployment, monitoring and reporting, and infrastructure performance management.

Unisys Data Governance and Management solution: Benefit from simplified regulatory compliance and data storage for enhanced data quality, integrity and security.

Many organizations are curious about agentic AI's value but are unsure where to start. Our experts can provide advisory services to assess your organization's AI maturity and whether your technology and processes are ready for agentic AI. If they are, we identify the business outcomes you hope to achieve with agentic AI. We can identify use cases for the technology, develop an agentic AI strategy and integration roadmap and guide your implementation across your business.

Ready to explore agentic AI's potential?

Visit unisys.com or [contact us](#) to schedule a consultation with our experts today.



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