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Lower Hybrid Cloud TCO by up to 61% with Lenovo ThinkAgile HX Series with the Nutanix Cloud Platform

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Read the full report [HERE](#).

Abstract: TechTarget's Enterprise Strategy Group completed a qualitative and quantitative economic analysis based on interviews with Lenovo customers, extensive Enterprise Strategy Group research, and the creation of a conservative economic model. The results illustrate how organizations can optimize their hybrid cloud capabilities and reduce costs by up to 61% with Lenovo ThinkAgile HX Series with the Nutanix Cloud Platform, resulting in a five-year return on investment (ROI) of up to 418%.

Challenges for Enterprises

Organizations are focusing on strategic IT infrastructure management initiatives such as cost reduction, operational efficiency, rapid solution deployment, and enhanced security to address imperative goals. Yet, they encounter widespread challenges: security, sustainability, budget constraints, managing diverse interfaces, navigating siloed equipment from multiple vendors, wrestling with complex management tools that generate excessive system alerts, performing manual tasks, and a lack of centralized visibility. These hurdles lead to inefficiencies and negative financial implications. In such a dynamic IT environment, choosing the right solution is critical. HCI solutions vary, with some excelling in robust hardware and others in advanced software capabilities. Successful organizations typically opt for a balanced approach, combining superior hardware with cutting-edge software to effectively meet their unique IT challenges and succeed in today's fast-paced tech world.

“Two specialists used to spend 70% of their time on our legacy systems; now, one junior can manage the easy-to-use ThinkAgile HX with just 30% of his time, freeing our experts for strategic work.”

Validated Benefits of Lenovo ThinkAgile HX Series with Nutanix Cloud Platform



**Up to 61% lower total
cost of infrastructure**



**Up to 79% lower cost of
infrastructure, cloud,
and application
administration**



**Up to 418% return on
investment (ROI)**

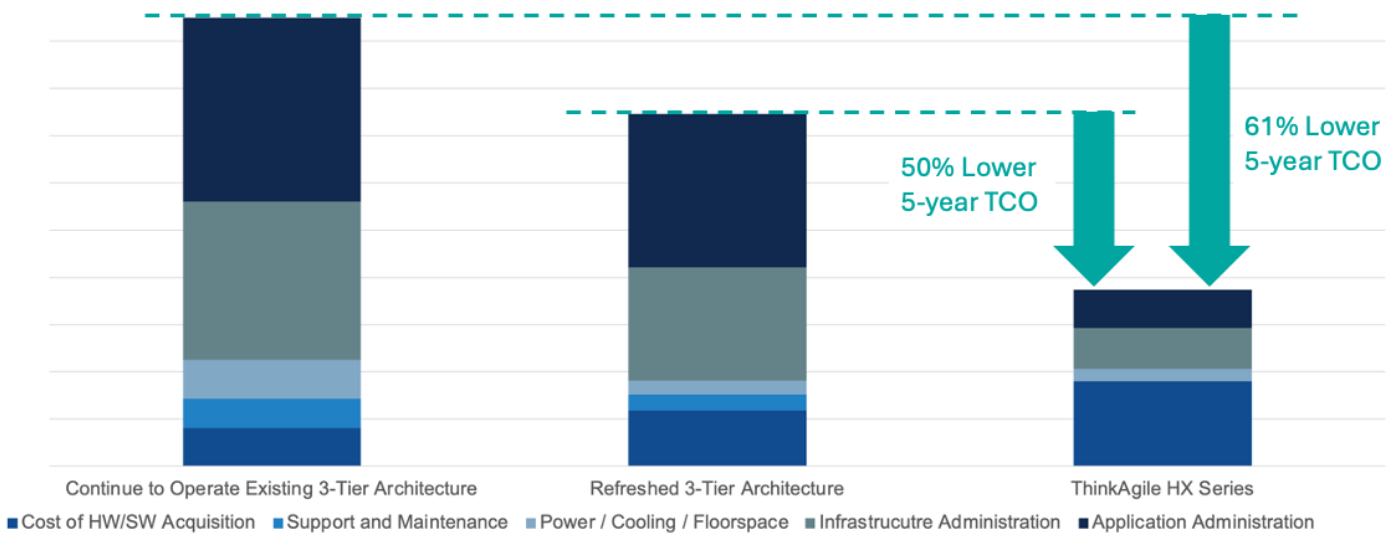
Lenovo ThinkAgile HX Series with Nutanix Cloud Platform

Lenovo ThinkAgile HX Series is a complete end-to-end hyperconverged infrastructure solution that bundles hardware, software, and services with a single point of support. ThinkAgile HX integrates storage, computing, and virtualization into a scalable and reliable server with Nutanix software accessible via the Lenovo XClarity and Nutanix Prism management interfaces. ThinkAgile HX creates a unified resource pool for both compute and storage that can be deployed in a single node and easily scaled. This setup simplifies IT complexity and enhances agility. Within this ecosystem, the Nutanix Cloud Platform provides software packages that manage hybrid and multi-cloud environments and applications across both on-premises settings and hyperscale cloud platforms. These packages include comprehensive tools for foundational infrastructure, storage, database management, AI workloads, and virtual desktop provisioning.

Economic Validation Highlights

Enterprise Strategy Group validated that Lenovo ThinkAgile HX Series with the Nutanix Cloud Platform offered significant advantages when compared to traditional three-tier architectures. Customers shared that ThinkAgile HX with Lenovo XClarity and Nutanix Prism reduced complexity and streamlined IT operations through simplification and automation and enabled their organization to rapidly adapt to changing needs to seize new opportunities more quickly than ever before. Lenovo’s [leading x86 server reliability](#) and Thinkshield also helped to reduce exposure to cybersecurity and downtime risk. Our economic models predicted that Lenovo ThinkAgile HX series could provide a five-year TCO that is 61% lower than continuing to operate and grow an existing three-tier infrastructure and 50% lower than refreshing and consolidating their environment with the latest three-tier infrastructure. Taking all of the potential savings and benefits into consideration, Enterprise Strategy Group calculated an expected five-year ROI of 320% based on TCO alone and up to 418% or more when considering the benefits of avoided cost of downtime and improved revenue.

Figure 1. Enterprise Strategy Group’s Modeled Cost of Infrastructure Operations



Source: Enterprise Strategy Group, a division of TechTarget, Inc.

Conclusion

Enterprise Strategy Group confirmed that the combination of Lenovo ThinkAgile HX hardware and Nutanix software presents a compelling functional and economic choice for many businesses. We encourage IT decision-makers to consult with a Lenovo representative or sales partner to determine if ThinkAgile HX is the right solution for their needs.

Learn more about [ThinkAgile HX](#) and the [Lenovo and Nutanix Partnership](#).

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TechTarget’s Enterprise Strategy Group provides focused and actionable market intelligence, demand-side research, analyst advisory services, GTM strategy guidance, solution validations, and custom content supporting enterprise technology buying and selling.

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