

Keeping critical corporate services running efficiently.

How digital print solutions specialist **Memjet Australia** modernized its IT with Lenovo ThinkAgile VX hyperconverged infrastructure, boosting the performance of key business applications by up to 155% and helping staff work productively.

Lenovo Infrastructure Solutions
for The Data-Centered

Lenovo

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Background


Memjet provides digital inkjet technologies that enable fast, high-resolution, affordable printing. The company supplies OEM partners around the world to deliver digital print solutions for a wide range of market segments. Headquartered in San Diego, California, Memjet has regional offices in Australia, Ireland, Singapore, and Taiwan.

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Challenge

Memjet Australia's IT team provides essential corporate services to several business units, supporting everything from accounting to customer relationship management to product development. In the past, the company operated disparate server, storage, and networking solutions for each business unit. This siloed—and aging—data center architecture was becoming increasingly difficult to manage and approaching capacity, and Memjet Australia found that core database workloads were suffering performance issues as a result.

Pardeep Dhiman, Senior Systems Administrator at Memjet Australia, says: "Rather than simply refreshing our infrastructure and replacing components like-for-like, we decided to take the opportunity to consolidate, standardize, and modernize our IT with a hyperconverged infrastructure [HCI] solution."



Why Lenovo? Proven partnership with VMware.

After evaluating offerings from several vendors, Memjet Australia selected the Lenovo ThinkAgile VX 3000 Series—a HCI solution that combines Lenovo servers with VMware vSAN and VMware vSphere software to deliver a single pool of virtualized compute and storage resources.

“We are long-time users of VMware technology, which gave the Lenovo ThinkAgile VX Series an edge over the other HCI solutions we considered,” says Dhiman. “We were also impressed with the competitive pricing of the Lenovo solution.”

Easy installation, seamless migration.

Memjet Australia implemented four Lenovo ThinkAgile VX 3000 Series appliances, configured as a single software-defined cluster.

“Since the Lenovo appliances come with the VMware software pre-installed, I was able to complete the deployment myself without any issues,” recalls Dhiman. “It was a simple matter of racking the servers and connecting the power.”

By taking advantage of the VMware vSphere vMotion tool, Memjet Australia performed a live migration to the Lenovo ThinkAgile VX Series cluster without any disruption to the business.



“Because we were already using VMware, migrating our virtualized workloads over to the new infrastructure was seamless.”

Pardeep Dhiman,
Senior Systems Administrator,
Memjet Australia

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Results

Today, Memjet Australia runs some of its most critical workloads on the Lenovo ThinkAgile VX cluster, including its core MySQL Server databases and Java-based business applications. These workloads underpin many of the corporate services that employees rely on to support their day-to-day work.

Since moving to the Lenovo ThinkAgile VX platform, Memjet Australia has seen application performance increase and latency decrease dramatically. “Previously, there was 20 millisecond latency for some database applications, but now they open in just two milliseconds—10 times faster,” says Dhiman. “In fact, performance for some applications has increased by as much as 155%, helping staff to work productively.”



10x lower latency for core database applications



Up to 155% performance increase for business applications



Low-maintenance infrastructure frees up time for strategic tasks



“We are delighted with the performance, reliability, and stability of the Lenovo ThinkAgile VX platform. We barely need touch the cluster; it just runs and runs. And, thanks to the easy scalability of HCI, we have future-proofed our IT for the years to come.”

Pardeep Dhiman,
Senior Systems Administrator,
Memjet Australia

What will you do with Lenovo ThinkAgile VX solutions?

Learn more about how Lenovo's hyperconverged solutions can allow your business to focus on running efficiently, rather than your IT infrastructure.

[Explore ThinkAgile VX Solutions](#)

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