

Technology | Australia

Meeting the next generation of customer demands

CMTG

CMTG upgraded the hardware behind its private cloud platform with Lenovo ThinkSystem SR675 V3 servers powered AMD EPYC™ 9475F processors. This enables the company to deliver a superior end-user experience at a lower cost while also laying the groundwork for AI solutions—improving customer retention and growth.



1

Customer background

Who is CMTG?

Founded in 1998 and headquartered in Perth, Australia, CMTG is an industry-leading integrated IT infrastructure solutions provider. Dedicated to keeping data safe and helping Australian businesses thrive, CMTG specializes in high-performance data storage and application hosting, private cloud systems, and ongoing support.



2

The challenge

For almost three decades, CMTG has been providing cutting-edge IT solutions to small and medium sized businesses across Australia. Key to its offering is a resilient, available, and immutable managed private cloud, which supports virtual machines, backups, and a Virtual Desktop Infrastructure (VDI) solution.

Built on Lenovo servers with a VMware and Citrix virtualization layer, CMTG's private cloud infrastructure was coming to the end of its service life. Faced with competition from Microsoft Azure Virtual Desktop, CMTG looked to improve the user experience for its customers. To deliver a higher level of service and unlock new opportunities in the rapidly growing AI space, the company targeted an infrastructure refresh.

2

The challenge

This private cloud platform modernization was a strategic investment, with CMTG looking for a cost effective, flexible, and sustainable payment model. This would enable the company to stay competitive and scale innovation without upfront financial pressure.

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“We want to make sure we’re ahead of the game and keep our tech up to date with the very latest and most powerful chips, to give our customers a secure, high-performing, and reliable landing space for their workloads for their efficiency and competitive advantage.”

Carl Filpo

Managing Director, CMTG

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The
solution

Standing firm with a trusted partner

After conducting an in-depth market review, CMTG chose to upgrade its private cloud infrastructure with [Lenovo ThinkSystem SR675 V3](#) servers. Powered by AMD EPYC™ 9475F processors, the servers offer a strong price/performance ratio, especially for graphics-intensive workloads.

Using [Lenovo XClarity Pro](#) infrastructure management software, the CMTG team streamlined and automated deployment and migration workflows, enabling the company to complete the switchover overnight without impacting customers.

Hardware

[Lenovo ThinkSystem SR675 V3 servers](#)

AMD EPYC™ 9475F processors

Software

[Lenovo XClarity Pro](#)

Citrix Virtual Apps and Desktops

VMware vSphere

Services

[Lenovo Global Financial Services](#)

[Lenovo Premier Support for Data Centers](#)



“Lenovo helped us a lot during the entire process. They are the most responsive vendor we work with, and the XClarity management tools are useful, easy to deploy, and effective in providing crucial insight into our infrastructure.”

Stephen Doney

Client & Vendor Relationship Manager,
CMTG

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The results

With powerful new Lenovo and AMD technology at the heart of its private cloud architecture, CMTG can effortlessly scale to meet the next generation of customer demands.

“By upgrading our infrastructure, we can provision virtual desktops with a superior end-user experience and at a lower cost, improving customer retention and growth,” says Nick Hughes, Technical Sales Manager at CMTG.



CPU utilization dropped by 70%



RAM usage decreased by 10%



Superior end-user experience at a lower cost



Improves customer retention and growth

4

The results

Equipped with AMD EPYC™ processors, the Lenovo ThinkSystem SR675 V3 servers are optimized for virtual desktops with maximum performance uplift and future growth.

In particular, for customers running computer-aided design (CAD) applications on CMTG's VDI platform, the faster clock speed of the AMD EPYC™ processors supports smoother operations, even on devices not typically equipped for graphics-intensive workloads. Running benchmarks using Citrix Windows 11 VDI, CMTG achieved solid 60FPS, which is the upper limit allowed by the Citrix platform.

By adopting a flexible, cost-effective financial model through [Lenovo Global Financial Services](#) (LGFS), CMTG was able to align technology investment with business value, helping the company stay competitive while modernizing at scale.

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The results

Unparalleled performance

CMTG has received significant positive feedback from its customers since deploying the new solution. Customers have reported faster execution time for all applications, and in particular three-times faster reports from SQL servers.

For CMTG themselves, the power of the Lenovo ThinkSystem SR675 V3 servers enable more efficient operations with fewer resources. “We don’t contend our CPU cores, but when we were standing up the environment there was contention of 2:1 with absolutely no impact on performance,” comments Nick Hughes.

Looking to the future, CMTG plans to leverage its new architecture to bolster adoption of AI tools by providing a secure, Australia-based environment with the power required for cutting-edge AI workloads.

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“Moving to Lenovo ThinkSystem SR675 V3 servers powered by AMD EPYC processors is night and day as far as performance is concerned, both for us and our customers. The morning after we completed the switch over, we had customers calling us to ask: ‘what did you do? Our applications are so fast!’ with one customer saying that one particular report has gone from taking several minutes to a few seconds.”

Carl Filpo

Managing Director, CMTG



Why Lenovo and AMD?

As a Lenovo Gold Partner and a long-time Lenovo customer, CMTG has had years of reliability from Lenovo hardware, and knew it could trust the vendor once again to deliver robust performance.

“Lenovo is a rock-solid brand, and we’ve rarely had any failures on our ThinkSystem infrastructure over the years,” says Stephen Doney Client & Vendor Relationship Manager at CMTG. “That said, it’s reassuring to have the servers backed by [Lenovo Premier Support for Data Centers](#), as the rapid response time for on-site parts means we can get things back on track fast.”

During the refresh process, CMTG reviewed several CPU vendors before selecting AMD EPYC™ processors. “The trigger point for moving to AMD EPYC processors was a reference from Citrix, who use AMD to run their own platform,” says Carl Filpo, Managing Director at CMTG. “They showed us that it would give us the performance to be at the forefront of the cloud space.”

How can private cloud providers stay at the forefront of innovation?

By refreshing its private cloud infrastructure with Lenovo ThinkSystem servers powered by AMD EPYC™ processors, CMTG can meet the next generation of customer demands.

[Explore Lenovo ThinkSystem Solutions](#)

