About Customer

5G Networks is a licenced telecommunications carrier operating across Australia. The company's mission is to be the partner of choice for unifying a seamless digital experience for customers, all underpinned by expert managed services.
www.5gnetworks.au

Geo

APJ

Industry

Telecommunications

Solution Area

Accelerate Core Applications

Pure Storage® Products in Use

FlashArray//X™
Pure1®

5G Networks Consolidates Data Centres for Top Performance

5G Networks serves corporate and government clients across Australia with telecommunications services, co-location, data centre and outsourced infrastructure provision, as well as offering MSP and Managed IT services.

After a strategic review of data centre operations, 5G concluded that it needed to consolidate two leased data centres—and over a petabyte of data—into a single, built-for-purpose data centre facility in Sydney. With Pure Storage, the company created an efficient and stable data centre.

"It was a huge project involving the movement and consolidation of 1.5 petabytes of data and thousands of live customer services that needed to be maintained with an absolute minimum of disruption."

WAHAB KHAN,
5G'S HEAD OF CLOUD AND PLATFORMS

Eliminating Disruptions for Customers

For Wahab Khan, 5G's Head of Cloud and Platforms, the most important thing was to minimise customer disruptions during the migration to the new data centre. Planning the migration involved not only the physical infrastructure and human resource allocation but minutely detailed customer communications about the migration plan.

Impact on 5G Networks

Consolidate two leased data centres into a single, built-for-purpose data centre

Deliver fast, reliable services for corporate and government clients

Migrated thousands of live customer services with little to no service interruptions

Challenges

Set up a new data centre while minimising customer impact

Reduce environmental impact of data centres

Spend less time manually managing storage environment

Results

Migrated 1.5 petabytes of data in half the expected time

Decreased rack footprint by 65%, reducing power and cooling

Focused resources on customer service by streamlining storage management

"We are a very customer centric, focused company and anything that affects a customer is a priority for us," says Khan. "It was a huge project involving the movement and consolidation of 1.5 petabytes of data and thousands of live customer services that needed to be maintained with an absolute minimum of disruption."

"During a data centre migration and consolidation project, data integrity and security are paramount. This dual focus is crucial in mitigating risks and ensuring a seamless, safe transition to a new consolidated data environment. Pure Storage provided that to us without any additional services," he added.

Undertaking a Massive Move in Half the Time

5G originally expected the migration to take up to half a year, but working closely with the Pure team, they finished in just three months. According to Khan, the day after migrating to Pure, the application teams reported the network was running at least twice as fast.

"Storage is the heart of our business," adds Khan. "We appreciate that Pure Storage FlashArray is built from the ground up as an all-flash solution that provides very stable and very fast performance. The simplicity of the Pure interface and set up also really made a huge difference for both migration and operation."

In addition to high performance and security, environmental considerations and energy efficiency were also critical decision factors for Khan. "Pure Storage allowed us to decrease our rack footprint by 65%, which significantly reduced our power consumption."

Focusing Efforts on Customer Services

Prior to standardising on Pure Storage FlashArray, 5G needed at least one full-time storage manager to handle system updates and manual operations for storage. Now, the company can redeploy the resources to support other operations.

"We have found that Pure is truly a 'set and forget' solution," says Khan. "The Pure1 management platform is so simple that we can provide maximum uptime and manage our workloads to ensure customer services are achieving peak performance. As a service provider, that's really our number one mission, and Pure Storage is helping us achieve that."