JetStor®

Storage. Solutions. Support.

muneris
IT Consulting

Powering Twin Government Data Centers with High-Speed, All-Flash **JetStor** Storage

Data Center One   Data Center Two

Application servers   Application servers

JetStor NAS 1600S Unified Storage System

ESXi hosts   ESXi hosts

Fibre Channel Switches   Fibre Channel Switches

DataCore server   DataCore server

JetStor XF2026D All-Flash Array   **JetStor XF2026D All-Flash Array**
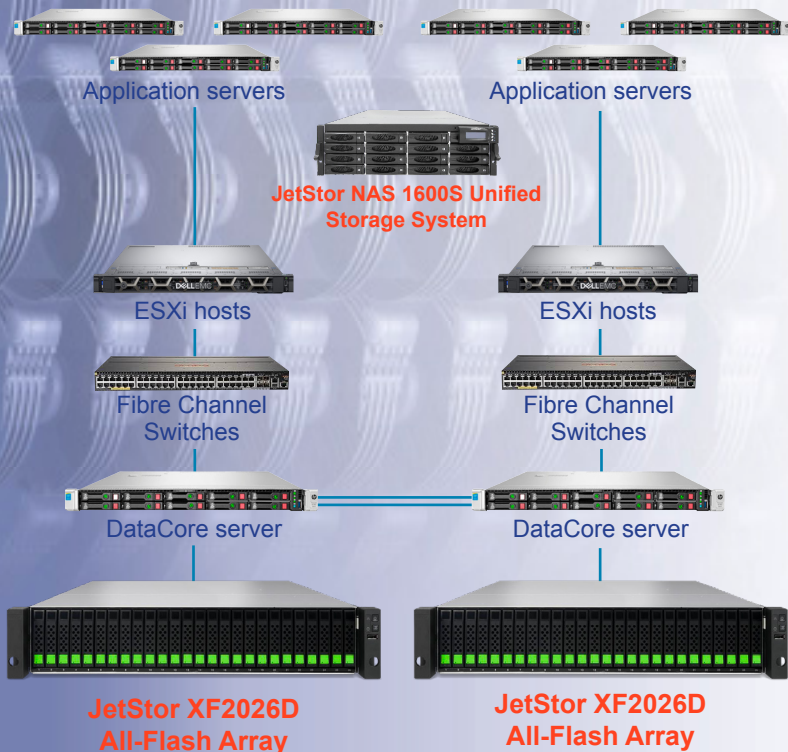
CUSTOMER TESTIMONIAL

Muneris Selects JetStor® Solutions to Anchor Private Cloud on Pacific Island

THE ORGANIZATION

Muneris IT Consulting is a small, ten year-old IT firm that specializes in IT architecture and integration, networking, virtualization, and data storage. With a mission to satisfy its customers, the firm sells value-added IT infrastructure solutions that are effective and easy to maintain.

Muneris would be like many highly professional value-added solutions providers except for one thing. The company is located Noumea, the capital of New Caledonia, an archipelago 750 miles east of Australia. New Caledonia spans 7,172 square miles divided into the North and South Provinces on the New Caledonian mainland, and the Loyalty Islands Province, a series of islands off the mainland. New Caledonia has one of the largest economies in the South Pacific, with a GDP of approximately US$10 billion.

THE CHALLENGE

A large New Caledonian government agency needed to modernize its storage infrastructure. For years, it had been storing over 300 terabytes of data on storage-area-networks (SANs) at two production sites. Its legacy storage solutions, however, were aging and relied on traditional spinning disks.

The agency wanted to increase the performance and capacity of its storage infrastructure. Doing so would future-proof its storage to keep pace with new applications and growing volumes of data that needed to be saved. It decided that all-flash arrays would meet its needs, but only if the solutions were cost-effective.

The agency issued a public tender for its needs and companies like IBM, Nimble Storage, and Dell responded. The customer already used an **AC&NC JetStor 1600S NAS platform**, so Muneris thought it could make a superior offer by partnering with AC&NC.

"AC&NC proved once again that value and performance are universal winners, even on islands in the Pacific Ocean," said Florian Falconnet, co-manager of Muneris IT Consulting.

THE SOLUTION
• **JetStor XF2026D All-Flash Arrays** from AC&NC

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SYSTEM CONFIGURATION

• Two **JetStor XF2026D All-Flash Arrays**, each with 19 3.8TB SAS solid-state drives
• One **JetStor NAS 1600S Unified Storage System**

BENEFITS IMMEDIATELY REALIZED

Thanks to the partnership between AC&NC and Muneris, New Caledonia's government agency met all of its needs. The agency maintains two separate but similar data centers and deploys a **JetStor XF2026D All-Flash platform** at each. The solutions deliver outstanding performance to support databases, web servers, file servers, and other applications required for efficient governance well into the future.

"In addition to the sizzling performance of the **JetStor XF2026D arrays**, the systems were also the most affordable of all the bids," said Falconnet. "They're the foundation of the agency's private cloud and complement its **JetStor NAS 1600S Unified Storage System** that's used for video editing at its communication/marketing department."

The **JetStor XF2026 systems** were each provisioned with 19 3.8TB SAS SSDs, allowing the agency to scale its 26 slot, 2U devices for greater capacity. With expansion units, the **JetStor devices** can each support up to 286 drives for petabyte scalability.

The **JetStor XF2026D platforms** also lower the agency's operating costs. By using energy-efficient flash drives, the systems consume less power than the agency's legacy devices, which relied on spinning disks.

"The agency wanted a storage solution that was both low cost and robust, and we made the impossible possible with **JetStor XF2026 arrays**," added Falconnet. "AC&NC may be some 8,500 miles away from us, but it provided leading solutions and unbeatable service."

HOW WE DID IT

Muneris installed the **JetStor XF2026 systems**, which was straightforward and trouble-free. Each device feature dual-active controllers and a high-availability design without a single point of failure, ensuring highly reliable performance.

The **JetStor platforms** each comprise a SAN that links to ESXi hosts via Fiber Channel switches. Both are configured for RAID 5 for even greater data protection.

JetStor XF2026D All-Flash Array

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The agency also deployed DataCore's SANsymphony-V on a server at each data center that are linked together. The storage virtualization solution provides software-defined control of the storage architecture. The software replicates data between the two sites for exceptional business continuity. Because both sites are active, no failover is necessary should one data center experience difficulties.

"The **JetStor XF2026 arrays** feature a web-based management system that alerts us if there are ever any issues," said Falconnet. "Despite their sophistication, they're easy to operate."

CONCLUSION

"Thanks to AC&NC, we offer very competitive solutions that can beat those of major vendors," concluded Falconnet. "We're providing storage performance and reliability at the most affordable costs, along with software-defined products like DataCore, which make **JetStor solutions** ideal for both governments and private industry."

ABOUT ADVANCED COMPUTER & NETWORK CORPORATION (AC&NC)

AC&NC™ / JetStor meets the evolving needs for data storage, protection, and management. We leverage leading technologies to offer high-value solutions for NAS, SANs, clouds, and hyper-converged infrastructures (HCIs). Since 1994, our customers have spanned virtually every industry, and range from Fortune 500 enterprises to small and medium-sized firms. We support environments from data centers and clouds to branch offices and remote sites.

**AC&NC JetStor XF2026D
All-Flash Array**

**AC&NC JetStor NAS 1600S
Unified Storage System**