



Canada's largest radiology partnership deploys jetNEXUS to deliver scalable, resilient applications. jetNEXUS ALB-X becomes a key component of Medical Imaging Consultants application delivery network.



PROVIDING IMAGING EXCELLENCE

Company

Medical Imaging Consultants (MIC)

Industry

Healthcare

Challenges

- Steady growth
- Mission critical services
- No application resiliency
- Single point of failure

Solution

jetNEXUS ALB-X VA

Why jetNEXUS?

- Seamless deployment
- Advanced features
- Traffic management
- Competitive pricing
- Robust performance

The Result

- Website resilience
- Seamless scalability
- VMware ready
- Simple management
- Superb user experience

The Customer

Medical Imaging Consultants (MIC) is Canada's largest radiology partnership, with a team of more than 80 radiologist physicians, and more than 300 technologists and support staff. MIC has rapidly established itself as a leading consultant in diagnostic imaging services, serving 5 major hospitals, and operating in 11 clinics in the capital region.

The Challenge

The demands of an expanding infrastructure, and a highly efficient growth model, can be difficult to manage, especially when reliability is the key. MIC implemented an on premise storage and backup solution to be used with their imaging archive application. MIC's AcuoStore and Simpana Applications were initially configured to communicate directly to just one of their two storage deployments. It was when a scheduled building maintenance window approached that the resiliency of their current network configuration was really going to be challenged.

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David Tanner, Senior Systems Analyst, MIC

“Scheduled maintenance would incur a power outage, and when taking into consideration the nature of our service provision, this type of disruption is not acceptable. We needed to implement a solution that could seamlessly transition application traffic from one storage server to another to ensure service availability and performance at all times.” David Tanner, Senior Systems Analyst, MIC.

Having conducted extensive research, Senior Systems Analyst David Tanner reviewed jetNEXUS advanced load balancing solutions. “The option to deploy as a virtual appliance was a primary requirement for MIC. This, in addition to the competitive pricing and performance claims of the jetNEXUS Accelerating Load Balancer (ALB-X VA) was enough to pique our interest and we embarked upon an evaluation.”

The jetNEXUS team scheduled a technical demo with David to better understand his requirements. “The session not only gave me a solid appreciation of the solution’s functionality, but more importantly, a better understanding of the relevancy of certain features for our specific imaging environment and how we could best utilize and leverage those capabilities.”

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“We chose jetNEXUS for its advanced functionality, cost effective pricing and superb pre-sales experience. The intuitive configuration and ‘dead-easy’ deployment were also significant factors in our purchasing decision”

David Tanner, Senior Systems Analyst, MIC

jetNEXUS Stands Out From the Competition

“We considered solutions from Cisco, Barracuda and Kemp but ultimately choose jetNEXUS for its advanced functionality, cost effective pricing and superb pre-sales experience. The intuitive configuration and ‘drop-dead-easy’ deployment were also significant factors in our purchasing decision.”

“We installed the jetNEXUS ALB-X VA with maximum ease and minimum disruption. In my opinion, one of the best indicators of a solution meeting our needs is when the impact is transparent to the end-user. It works behind the scenes to ensure that our mission critical application services run seamlessly. Removing a single point of failure in our application delivery network and eliminating potential downtime makes the jetNEXUS ALB-X VA solution incredibly valuable to us.”
David Tanner, Senior Systems Analyst, MIC.

jetNEXUS Advanced Load Balancing for Medical Imaging Protocols

Since deploying the jetNEXUS ALB-X VA, MIC has benefitted from, greatly improved flexibility in their infrastructure and service provision. “Commercially speaking, the jetNEXUS Load Balancer has given us the ability to significantly capitalize on our investment in cloud storage infrastructure.” David Tanner, Senior Systems Analyst, MIC.

Since deploying the jetNEXUS ALB-X VA, MIC has benefitted from, greatly improved flexibility in their infrastructure and service provision.

Looking to the future David can see additional uses for the jetNEXUS load balancers. “We are considering using jetNEXUS for our other DICOM and HL7 applications. The load balancers are enabling us to scale efficiently.” Deploying jetNEXUS for DICOM simplifies the PACS system clustering, enabling higher scalability, isolated monitoring (for error detection) and easier maintenance, without interruption to services. jetNEXUS also has a customisable and granular application level health check specifically for DICOM. This ensures always available services and superb application performance.

“Our overall experience has been positive to say the least; we’ve been really impressed by jetNEXUS. They accommodated our every question, provided technical demonstrations and delivered the comforting customer-service experience we were hoping for. On the service alone, I would have no hesitation in recommending anyone to jetNEXUS.” David Tanner, Senior Systems Analyst, MIC.

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Services

- Medical Imaging Archive
- AcuoStore
- CommVault Simpana

About jetNEXUS

The jetNEXUS ALB-X offers powerful, feature-rich application delivery control and load balancing that enables users to deliver resilient and responsive services with granular control over application traffic.

Featuring layer4-7 load balancing, advanced traffic management capabilities and optimisation features including SSL Offload, Content Caching and Compression, jetNEXUS improves the performance, scalability and reliability of applications for a superb end user experience.

With unprecedented ease of use, the jetNEXUS ALB-X load balancer can be installed in a matter of minutes, with users only requiring a basic level of technical expertise to configure the product to meet their load balancing needs.