

Global Investment Firm Ensures Application Availability with Thunder ADC

Operating in more than 50 locations around the world, this global investment management and research firm has more than \$600 billion in assets under management. The iconic company consistently performs at the highest levels and leads the financial industry in innovation and expertise.

We use Thunder ADC to support application availability and global server load balancing across our hybrid environment. Thunder ADC load balances assets across different data centers, and cloud is just another data center to us.

— Vice President of Web Services and Cybersecurity,
Global Investment Management and Research Company



Industry | Finance



Network Solution

A10 Thunder® ADC
A10 Harmony® Controller



Critical Issues

- Refresh global server load balancing infrastructure to ensure efficient and reliable application delivery.



Results

- Ensure high availability for hundreds of enterprise and investment management applications, including trading platforms
- Protect the business against growing cyberattacks with automated policy enforcement
- Increase application security with SSL offload

The Challenge: Ensure High-availability While Reducing IT Costs

The global investment firm is on a steady path to a hybrid cloud environment that will enable it to reduce IT costs and simplify operations, freeing up its IT team to deliver greater strategic value.

"We want to get out of the nuts and bolts of running a data center, and cloud will enable us to shift the skill set to add more value to our business," says the vice president of web services and cybersecurity at the investment firm.

Critical applications from internal web portals to algorithmic trading and investment management run in its private data centers. As it shifted toward hybrid cloud, the company wanted to continue to ensure its on-premises applications were highly available, responsive, and secure.

Selection Criteria

The firm was an early adopter of A10 Networks Thunder® Application Delivery Controller (ADC) for secure application delivery and global server load balancing, and it was time for a refresh.

A lot had changed since the firm first deployed on Thunder ADC for application availability, and it set out to compare the leading application availability and load balancing solutions to support its on-premises applications. It also wanted a high availability application delivery controller solution that would work in a private data center as well as cloud providers such as Microsoft Azure and Amazon Web Services (AWS).

The Solution

Thunder ADC continued to have the right capabilities to enhance application availability and increase application security.

The company upgraded to the latest Thunder ADC appliance to ensure application availability, low network latency, and security for hundreds of enterprise and custom-developed investment and trading applications running in its private data centers. Thunder ADC supports the delivery of hundreds of applications, enabling institutional investment, retail distribution, sell-side research, brokerage, and private wealth management.

As the company shifts more applications into the cloud, it can count on Thunder ADC for cloud-native application load balancing and security.

Quantifiable Results

With Thunder ADC, IT can assure application availability for employees and clients by minimizing network latency and downtime. Thunder ADC provides full proxy Layer 4 and Layer 7 load balancing and customizable server health checks. Global server load balancing (GSLB) extends load balancing across the firm's data centers to enable worldwide business application continuity with low network latency, and localized server responses. High-performance SSL offload optimizes and secures application services.

"We use Thunder ADC to support application availability and global server load balancing across our hybrid environment," says the IT executive. "Thunder ADC load balances assets across different data centers, and cloud is just another data center to us."



The DevOps team is automating releases of its proprietary software, aided by A10 Networks xAPI, which allows third-party applications to interact remotely with Thunder ADC server load balancers.

"We are building pipelines for continuous integration and continuous delivery of software," he says. "We use the A10 Networks API to support staggered deployments once the new software releases have gone through the internal checks and gates."

The investment company is a longtime A10 Networks customer and has built a strong relationship along the way. "Over the last 15 years, A10 Networks has listened to us, partnered with us, and comes up with solutions," says the IT executive.

Another element that makes A10 a preferred business partner among technology vendors is the company's superior post-sales support. "A10 support is great," he says. "With some vendors, we have to jump through hoops to get to a person with knowledge when we have an issue. A10 is very responsive and helps us resolve issues quickly."

Success and Next Steps

As the firm moves more digital assets into the public cloud, IT is looking to the A10 Networks Harmony® Controller as a cohesive way to manage application delivery policies across a hybrid cloud environment. Harmony Controller provides deep per-application visibility and comprehensive controls that allow the IT team to securely deliver applications across its hybrid environment.

With two decades of experience delivering secure applications to support a global investment firm, this IT executive counsels his peers on selecting new technology to support the core business.

"Don't be afraid to make a change if all the variables align," he says. "Do your research and due diligence. Look at it from both a technology and a business perspective."



About This Global Investment Firm

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App Delivery Needs to Evolve:
**The State of Hybrid Cloud
 Application Delivery**

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About A10 Networks

A10 Networks (NYSE: ATEN) provides secure application services for on-premises, multi-cloud and edge-cloud environments at hyperscale. Our mission is to enable service providers and enterprises to deliver business-critical applications that are secure, available and efficient for multi-cloud transformation and 5G readiness. We deliver better business outcomes that support investment protection, new business models and help future-proof infrastructures, empowering our customers to provide the most secure and available digital experience. Founded in 2004, A10 Networks is based in San Jose, Calif. and serves customers globally.

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