



Unified Application Delivery and Control for Financial Services

One platform. One code base.

Built for the speed and reliability financial institutions demand.

Simplified High-performance Application Delivery

Financial applications run on split-second decisions. Whether executing trades, processing payments, updating customer accounts, or delivering real-time insights, every millisecond matters. When latency increases, trades clear more slowly, customers experience delays, and risk systems react less effectively.

Thunder ADC helps financial organizations deliver consistently fast and secure application performance across data centers and cloud environments. Powered by the ACOS platform, it provides application delivery, traffic optimization, and advanced security that keeps essential systems responsive even during the busiest periods.

Select Thunder ADC models deliver <2 microseconds latency for FIX traffic. This level of performance helps support trading, pricing, and real-time decisioning workloads where timing accuracy directly influences outcomes.

Adaptive Load Balancing and Optimization

- **Thunder ADC** helps ensure applications remain available and responsive by distributing traffic across the best performing resources. This benefits a range of financial workflows including:
 - Directing FIX messages to the lowest latency gateway
 - Managing authentication or transaction bursts during peak hours
 - Supporting fraud detection or risk engines that require timely responses
- If a server or service slows or fails, Thunder ADC automatically redirects traffic, helping to prevent interruptions to time critical operations.

Unified Management Across Clouds

- Many financial institutions now operate across private cloud, public cloud, and co-location environments.
- **Thunder ADC** delivers consistent application delivery and security services across all these platforms.
- **A10 Control** centralizes provisioning, updates, and monitoring, helping organizations maintain compliance and operational consistency across distributed infrastructure.

Performance Without Compromise

- **Thunder ADC** is engineered for speed and scale. Select models support up to 370 Gbps of throughput along with very high connection capacity. Combined with efficient processing of encrypted traffic and optimized application handling, Thunder ADC maintains strong performance for electronic trading, digital banking, and payment workloads
- For operations where timing directly affects quality of results, such as order execution, pricing refreshes, clearing cycles, or risk monitoring, Thunder ADC helps institutions maintain dependable, predictable performance that supports accuracy and competitiveness.

Rapid, Automated Deployment

- **Thunder ADC** integrates smoothly into modern DevOps and automation workflows.
- With full API coverage and compatibility with tools such as Terraform and Ansible, institutions can deploy or update ADC services quickly and consistently.
- Automated deployments reduce configuration errors and help ensure performance remains reliable for latency sensitive financial applications.

Unified Application Delivery for a Distributed Financial Landscape

Financial institutions operate across a mix of trading data centers, co-location facilities, private clouds, branch environments, and public cloud platforms. As these environments expand, maintaining predictable performance becomes more difficult.

Thunder ADC brings application delivery, acceleration, and security together in a unified platform designed for scale. With A10 Control, organizations gain a single view of all ADC services, making it easier to manage policies, monitor performance, and ensure a consistent user experience across every region and environment. This helps maintain stability during peak events such as market opens, rate announcements, or seasonal transaction surges.

How It Works

- Unified Performance Foundation:** Thunder ADC runs the same architecture across physical, virtual, bare metal, container, and cloud environments. This consistency ensures reliable performance regardless of where applications are deployed.

For financial institutions, this predictability supports workflows such as real-time market data updates, FIX order routing, customer transaction processing, and intraday risk calculations. Select low latency Thunder models operate <2 microseconds, helping reduce timing variations in environments where even slight delay can affect trade execution or decision accuracy.
- Intelligent Traffic and Acceleration Engine:** Thunder ADC helps applications respond faster by efficiently managing traffic and reducing bottlenecks. Secure connections, encrypted transactions, and API calls are processed more quickly, easing the load on backend systems.

These improvements would support:

 - Low latency forwarding of FIX messages between trading systems and execution venues
 - Stable, long lived FIX connections with minimal jitter during active trading
 - Timely delivery of price updates, order acknowledgments, and execution reports.
 - Reduced delay between trading algorithms and execution systems
- Centralized Visibility and Control:** A10 Control provides visibility across all Thunder ADC deployments, whether in one data center or spread across global regions. Teams can monitor performance, detect latency changes, and adjust policies from a single interface. This centralized approach simplifies operations and supports consistent service levels for trading, banking, and payment systems.
- Flexible Licensing and Scaling:** Financial activity fluctuates due to market conditions, customer behavior, and regulatory cycles. Thunder ADC adapts with flexible licensing that allows organizations to shift performance capacity where it is needed most. This helps maintain responsiveness during sudden increases in trading volume, large customer login surges, or seasonal payment spikes.



Ready to simplify and accelerate application delivery?

Request a demo today to see how Thunder ADC delivers high performance, ultra-low latency, and unified control across financial trading, banking, and cloud environments while reducing operational complexity and risk.

About A10

[A10Networks.com](https://www.a10networks.com)

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