

Achieving Real-Time Threat Analytics with SupremeRAID™ at a Leading Credit Card Company

CUSTOMER SUCCESS STORY | NOVEMBER 2025



EXECUTIVE SUMMARY

A major credit card company encountered persistent storage performance limitations while running advanced analytics for fraud detection, threat monitoring, and network traffic analysis on their Dell infrastructure. Traditional hardware RAID controllers simply couldn't keep up with the scale and speed required by Splunk analytics workloads. The company turned to SupremeRAID™, a software-based, GPU-accelerated RAID solution from Graid Technology, recommended by their trusted reseller, Technologent. This deployment unlocked the full potential of NVMe SSDs at scale, empowering real-time analytics and next-level security insights.

THE CHALLENGE

Data Bottlenecks:

Existing hardware RAID options couldn't deliver the required RAID performance, restricting the speed of ingest, processing, and real-time analytics for transaction and network data.

Rigidity of Existing Systems:

The customer's systems were already configured, limiting options for traditional hardware upgrades and making physical RAID controllers impractical.

High-Volume Analytics:

The company needed to optimize their infrastructure to rapidly and securely process massive data streams for critical fraud and cybersecurity operations.

THE SOLUTION

Expert Recommendation:

Technologent identified SupremeRAID™ as the best-fit modern alternative, leveraging software RAID offloaded to the GPU to handle massive NVMe throughput.

Deployment at Scale:

15 SupremeRAID™ cards were deployed across the company's Splunk environment, instantly boosting write/read speeds and eliminating data bottlenecks.

Unmatched Performance:

SupremeRAID™ maximized NVMe SSD speed—enabling the company to ingest, process, and analyze transaction and network data in real time, powering critical Splunk-driven threat detection and fraud analysis.

CHALLENGE

The Data Friction Dilemma

A major credit card company encountered persistent storage performance limitations while running advanced analytics for fraud detection, threat monitoring, and network traffic analysis on their infrastructure.

SOLUTION

No Drag—NVMe at Full Speed

SupremeRAID™ maximized NVMe SSD speed—enabling the company to ingest, process, and analyze transaction and network data in real time, powering critical Splunk-driven threat detection and fraud analysis.

RESULT

Insights at the Speed of Business

By retiring traditional hardware RAID bottlenecks and embracing SupremeRAID™, the credit card company unlocked unrivaled data processing speed for their Splunk analytics; elevating fraud detection, compliance, and customer trust in a data-driven world.

RESULTS AND IMPACT



Analytics Without Limits

The company achieved the high-performance RAID necessary to fuel continuous, high-speed Splunk analytics—delivering real-time insights essential for security and compliance.



Operational Agility

With bottlenecks removed, their fraud teams gained faster access to patterns, alerts, and actionable intelligence in a high-stakes data environment.



Enhanced Security

SupremeRAID™ bolstered the company's ability to keep up with evolving threats, supporting operational excellence and inspiring confidence across the organization.

PARTNER ECOSYSTEM VALUE

Strategic partners like Technologent expand the power of SupremeRAID™ by integrating it into broad analytics and security architectures, delivering scalable, resilient storage foundations for the world's largest financial organizations.

BOTTOM LINE

By retiring traditional hardware RAID bottlenecks and embracing SupremeRAID™, the credit card company unlocked unrivaled data processing speed for their Splunk analytics; elevating fraud detection, compliance, and customer trust in a data-driven world.

Contact Technologent at info@technologent.com or Graid Technology at info@graidtech.com to learn more.

About Technologent

Technologent is a women-owned, WBENC-certified and global provider of Information Technology solutions and services for Fortune 1000 companies. With our internationally recognized technical and sales team and well-established partnerships between the most cutting-edge technology brands, Technologent powers your business through a combination of foundational IT disciplines: Data, Artificial Intelligence, Cloud, and Security. Together with Professional Services, Financial Services, Service Provider Solutions and our people, we're paving the way for your business operations with advanced problem-solving that isn't just reactive, but forward-thinking and future-proof. Learn more at www.technologent.com

About Graid Technology

Graid Technology is led by a dedicated team of experts with decades of experience in the SDS, ASIC, and storage industries, and continues to push boundaries in data storage innovation by protecting NVMe-based data from the desktop to the cloud. Cutting-edge SupremeRAID™ GPU-based RAID removes the traditional RAID bottleneck to deliver maximum SSD performance without consuming CPU cycles or creating throughput bottlenecks, delivering unmatched flexibility, performance, and value. With headquarters in Silicon Valley supported by a robust R&D center in Taiwan, we are globally committed to spearheading advancements in storage solutions. For detailed product information, visit our [website](http://www.graidtech.com), or connect with us on [LinkedIn](https://www.linkedin.com/company/graid-technology).



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