

From Hours to Minutes: TelSwitch, Inc. Revolutionizes Legal Data Analysis with SupremeRAID™ by Graid Technology

CUSTOMER SUCCESS STORY | JULY 2025



TELSWITCH INC.

EXECUTIVE SUMMARY

TelSwitch, Inc. is a trusted expert in legal data analytics, providing attorneys with fast and accurate insights from massive, diverse datasets in high-stakes litigation. During discovery, TelSwitch processes hundreds of millions of data points—often in formats like CSV, Excel, and PDF—standardizing them into structured, query-ready databases for analysis and expert testimony.

To meet rising demands for speed and scale, TelSwitch integrated SupremeRAID™ by Graid Technology into its multi-SQL server infrastructure. This next-generation GPU-based RAID solution unlocked the full performance of NVMe SSDs, cutting query times from hours to minutes and enabling analysis of entire datasets rather than small samples.

With SupremeRAID™, TelSwitch has expanded its capacity, improved data integrity, and accelerated delivery—making it an essential part of their infrastructure. Today, TelSwitch is a trusted partner to legal teams who rely on timely, defensible, and comprehensive data analysis in the most demanding litigation environments.

COMPANY OVERVIEW

Since 1994, TelSwitch, Inc. has delivered data-driven expertise to legal teams involved in complex, high-stakes litigation. Today, the company specializes in extracting fact patterns from large, diverse digital datasets. Founded in 1994 as a telecommunications service provider, the company shifted its focus in 2007 to exclusively support attorneys in complex litigation.

TelSwitch helps legal teams make informed, unbiased decisions by transforming raw data—often in inconsistent formats—into structured, query-ready databases. Their expertise includes identifying file formats, parsing and loading source data, organizing records by type or time, and isolating key patterns for analysis.

With a rigorous, methodical approach, TelSwitch ensures that attorneys have timely access to reliable insights, supporting expert testimony and effective decision-making in high-stakes legal matters.

CHALLENGE

Scaling Legal Data Analysis

TelSwitch needed faster, more reliable infrastructure to process massive, multi-format datasets for expert testimony—without compromising accuracy, data integrity, or the ability to meet urgent deadlines.

SOLUTION

GPU-Based RAID Integration

By deploying SupremeRAID™ by Graid Technology across SQL environments, TelSwitch eliminated RAID bottlenecks and unlocked the full performance of its NVMe SSD infrastructure—without a full rebuild.

RESULT

Full Datasets, Faster Insights

Query times dropped from hours to minutes. TelSwitch now handles larger workloads, delivers deeper analysis, and provides legal teams with faster, more defensible insights that support better outcomes in court.

THE CHALLENGE

TelSwitch, Inc. plays a vital role in high-stakes litigation by delivering expert testimony grounded in the analysis of massive, complex datasets. Their work helps courts determine fact from fiction—entirely through data. Each case involves parsing and standardizing tens of millions of digital records, often in varying formats such as CSV, Excel, text, or PDF.

With 10 to 12 matters in progress each month, TelSwitch operates under extreme time pressure. Many cases involve multi-year employment data across hundreds of employees and numerous locations, creating both volume and complexity. To meet these demands, TelSwitch must query across multiple databases and table sets—often with just days to analyze and report.

Prior to adopting SupremeRAID™, limitations in performance forced the team to rely on sampling just a portion of the available data. Full-dataset analysis was often out of reach under tight deadlines. These constraints impacted turnaround times, reduced analytical depth, and introduced additional pressure on their teams.

TelSwitch needed a new approach that could eliminate performance bottlenecks, support full-scale analysis, and keep pace with the growing demands of modern litigation.

THE SOLUTION

To overcome growing performance limitations and meet tighter litigation timelines, TelSwitch sought a solution that could accelerate data processing without requiring a complete infrastructure overhaul. Founder Aaron Woolfson discovered SupremeRAID™ by Graid Technology through a web search and decided to evaluate the technology firsthand.

SupremeRAID™, the world's first GPU-based RAID solution, is specifically engineered to unlock the full performance of NVMe SSDs. By offloading RAID operations from the CPU to the GPU, it eliminates the I/O bottlenecks that often constrain traditional hardware RAID systems. With performance capabilities of up to 28 million IOPS and 260GB/s throughput, the solution is ideally suited for TelSwitch's multi-SQL server environments and high-volume data workloads.

Following a successful pilot, TelSwitch implemented SupremeRAID™ across multiple servers. The performance gains were immediate—full-dataset queries that previously took hours could now be completed in minutes. In addition to speed, the new solution brought improved resilience and the flexibility to scale. SupremeRAID™ now plays a central role in helping TelSwitch meet the demands of complex legal data analysis with speed and confidence.

KEY ASPECTS OF THE IMPLEMENTATION

Standardized High-Performance Stack

Standardizing on Dell 3930s with Intel® Xeon® processors, 128GB memory, Samsung 990 PRO drives, and HighPoint M.2 cards to ensure high throughput and minimal downtime.

Scalable Multi-Server Deployment

Deploying multiple servers with SupremeRAID™ to maximize elasticity and scalability, allowing TelSwitch to meet urgent client demands and handle large productions with ease.

Flexible Hardware Portability

Implementing a system for rapid switching of SupremeRAID™ between servers, minimizing disruptions and ensuring uninterrupted analysis across active projects.

“To extract meaningful fact patterns, we run queries across multiple databases and table sets. Before SupremeRAID™, some of those queries took hours—or days. Under tight deadlines, we often had to sample just 10–20% of the data to meet reporting requirements. Now, we can process entire datasets in much less time, allowing us to deliver more complete and meaningful analysis.”

—Aaron Woolfson, Founder, TelSwitch Inc.



KEY BUSINESS OUTCOMES

TelSwitch and its clients experienced immediate and measurable benefits following the deployment of SupremeRAID™ by Graid Technology. The ability to process and analyze massive legal datasets at scale—without sacrificing accuracy or reliability—has redefined how TelSwitch operates. Most significantly, query times

that once took hours or even days are now completed in minutes. This performance gain has enabled the team to move beyond limited data sampling and conduct full-dataset analyses within tight deadlines. The result is not only faster turnaround times but more robust and defensible insights for use in court.



Accelerated Data Processing

SupremeRAID™ dramatically reduced query times, allowing TelSwitch to process and analyze massive case datasets in minutes rather than hours or days.



Enhanced Data Protection

The platform delivers enterprise-grade RAID protection, safeguarding sensitive legal data while maintaining high system availability.



Seamless Scalability

TelSwitch can now take on larger, more complex matters with confidence—scaling its infrastructure without compromising performance.



Optimized Legal Workflows

With faster access to complete, reliable data, legal teams can make more informed decisions and meet critical deadlines in high-stakes litigation.

“With SupremeRAID™, we’re no longer forced to sample portions of large datasets just to meet deadlines—we can now analyze everything in the same amount of time. That’s improved both our confidence and our credibility with clients and the courts. We’re delivering faster results, at higher volumes, and contributing to better legal outcomes.”

—Aaron Woolfson, Founder, TelSwitch Inc.

Learn more at www.graidtech.com



CONCLUSION

TelSwitch now considers SupremeRAID™ by Graid Technology a foundational part of its infrastructure. No new platform is deployed without it, ensuring that every environment is secure, highly available, and optimized to meet the specialized demands of legal data analysis at scale.

With SupremeRAID™, TelSwitch is equipped to deliver timely, defensible insights even under the most urgent litigation timelines—enabling legal teams to work with complete datasets, not just samples, and maintain confidence in their findings.

“In a recent courtroom in Oakland, I was asked to run real-time queries on a dataset of over a million records. I returned results in seconds. That kind of speed allows us to explore deeper insights and apply ad-hoc filters on the fly. When clients began telling us they were seeing more meaningful outcomes in court based on our analyses, I knew it was because of the capabilities we gained by incorporating SupremeRAID™.”

—Aaron Woolfson, Founder, TelSwitch Inc.

TelSwitch and Graid Technology invite you to learn how GPU-based RAID can redefine what's possible in your legal or data-intensive environment.

✉ **Contact TelSwitch at info@telswitch.com or Graid Technology at info@graidtech.com to learn more.**

ABOUT TELSWITCH, INC.

TelSwitch, Inc. is a trusted technology advisor helping businesses make smarter technology decisions through vendor-neutral expertise and hands-on support. Founded in 1994 in Stockton, California, TelSwitch evolved from a telecom distributor into a modern technology consulting firm. Today, it guides legal organizations through complex litigation landscapes, offering meaningful insights into disputes through the analysis of high volumes of data. TelSwitch also serves a diverse client base within the legal industry, including other expert firms in providing clear strategy, transparent advice, and long-term partnership to ensure clients discover, implement, and scale optimal technology solutions for the dissemination and analysis of data. For more information, visit <https://telswitch.com/>.

ABOUT GRAID TECHNOLOGY

Graid Technology is transforming what's possible for high-performance computing. As the creator of SupremeRAID™, the world's first and only GPU-based RAID, the company is committed to helping enterprises unlock the full potential of their NVMe SSDs. Through global partnerships with industry leaders like NVIDIA, Supermicro, and Dell Technologies, Graid Technology delivers cutting-edge RAID solutions for AI, machine learning, media & entertainment, and high-performance computing. For more information, visit www.graidtech.com.



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