

DELL EMC STREAMING DATA PLATFORM

Experiencing Real-Time Business Insights at the Edge



Creating a foundation for next generation data

Most of the world's telemetry coming from sensors, cameras, drones, and logs, running either in the data center or at the edge, is unstructured and comes in the form of a stream – data that is continuously generated. Organizations that scale toward innovation by creating a strong data-first foundation will flourish in this new sea of data, while those who continue to build piece-meal infrastructures will spend time, effort and resources managing, securing and eventually replacing multiple data platforms.

Successful strategies for streaming data

There are multiple strategies for re-structuring a data infrastructure to enable optimal innovation. Organizations can streamline data ingestion and application development, priming their foundation for success today and in the future by focusing on these three pillars:

- Simplify storage needs: Creating a single, unified stream enables organizations to develop individual applications for each workflow, regardless of the types of data it includes, reducing the need for data duplication and silos.
- Create a foundation of unified data: A strong foundation for a multitude of data types includes an auto-scaling engine for reliable ingestion regardless of volume and enterprise-grade security.
- Innovate using an endless array of applications: Once a flexible platform is in place, innovation becomes a matter of ingenuity; create applications for the workflows that will enable next level business intelligence for today and the future.

DATA-FIRST FOUNDATION

Dell EMC Streaming Data Platform is designed specifically to create a strong data-first foundation for your infrastructure – allowing for endless scaling towards innovation in the future. With Streaming Data Platform, all data, regardless of source or type, is ingested into one engine and transformed into one, unified stream - simplifying implementation, management, security, scalability, and application development. With auto-tier storage and unlimited retention, the same paradigm can be used to access both real-time and historical events stored in the platform.



HISTORICAL RETENTION AND PLAYBACK: Applications can now be created once for both historical and real-time data without duplicating data. Streaming Data Platform enables tiered storage with unlimited retention and historical playback, so that data from decades ago can be analyzed beside data streaming in real-time.



AUTO-SCALING INGESTION AND ANALYSIS: When dealing with endless flows of data, volume is unpredictable. Streaming Data Platform can automatically scale streams to accommodate changes in ingestion rate. removes the need to predict that volume and allows administrators to simple scale out containers when needed.



EXACTLY ONCE SEMANTICS: Despite failures in clients, servers or the network, exact order guarantees ensure that each event is delivered and processed exactly once.



WRITE EFFICIENCY: In a world full of IoT and time sensitive applications, Streaming Data Platform shrinks write latency to milliseconds, and seamlessly scales to handle high throughput reads and writes from thousands of concurrent clients.



ENTERPRISE-READY PLATFORM: Backed by the security that is expected of an enterprise-ready solution, Streaming Data Platform persists and protects data before the write operation is acknowledged to the client.

Best-in-class services to maximize productivity

Your Streaming Data Platform comes with Dell EMC ProSupport Plus, providing proactive and predictive support to get ahead of problems before they happen. To accelerate time to value, take advantage of Dell EMC deployment and consulting services, tailored to meet your needs from planning and design through implementation.

TAKE THE NEXT STEP:

Interested in seeing how Dell EMC Streaming Data Platform can benefit your organization? Go to www.delltechnologies.com/streamingdataplatfrom for more information. If you'd like to receive a quote, please contact your Dell EMC sales representative or authorized reseller.



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