StreamSets

BENEFITS

Efficient dataflow operations.

Timely and trustworthy data.

Business and IT agility.

StreamSets Dataflow Performance Manager (DPM™)

StreamSets DPM extends the value of StreamSets Control Hub to deliver operational visibility and SLA-based control for your company's dataflows.

Today's applications depend on uninterrupted delivery of timely and trustworthy data, but current approaches for managing data movement deprive operators of much needed visibility and hands-on control.

The result is operational blindness. When a data flow slows, stops or skews, it is difficult to detect, diagnose and fix. Data teams scramble to pinpoint problems while the business suffers from delayed, lost and polluted data that cripple applications and business processes.
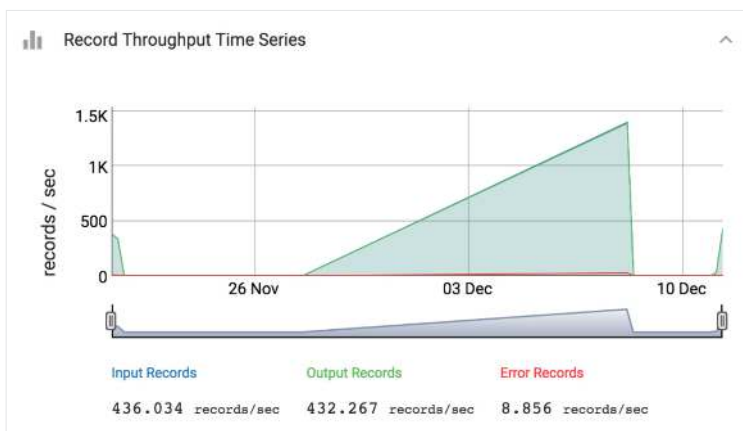
StreamSets Dataflow Performance Manager (DPM) enables enterprises to continuously operate their batch and streaming dataflows with confidence. It provides real time visibility across the entire architecture, reducing management costs, improving data quality and enabling operational agility agility.

DPM delivers valuable insights into how data is moving across your architecture. Comprehensive end-to-end metrics offer full visibility into performance including throughput, latency and error rates. By surfacing this information, DPM makes it possible to pinpoint operational bottlenecks that delay delivery of data to applications.

As your architecture and underlying data changes, it's also important to understand the impact of that change on overall operations. DPM includes historical metrics for comparing dataflow performance over time. This simplifies problem diagnosis, and allows you to roll back changes before they have a harmful effect on your business.

Where complete and high-quality data delivery is of paramount importance, DPM also includes triggers for defining Data SLAs. Whether it's data accuracy, latency or pipeline throughput, DPM helps ensure pipelines operate seamlessly and exceed the expectations of business stakeholders.

Finally, DPM adds high availability and support for rolling upgrades to your dataflow architecture, giving you assurances that it will scale to meet the needs of your business, while minimizing the impact of updates over its lifecycle.

Real-time metrics for cross-architecture visibility

Set data SLA's for proactive pipeline remediation

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FEATURES

Live metrics for dataflow topologies

- Compute KPIs for a single system, between any two points in a data flow, or end-to-end across the topology.
- View aggregated results or drill down to individual pipelines.

Point-in-flow KPIs for data availability and accuracy

- View current status or snapshot and compare metrics for sliding or absolute time windows.
- Establish baselines for full path and point-in- ow KPIs in order to design achievable Data SLAs.

Detect and remediate violations to support Data SLAs

- Set Data SLAs for metrics that operationalize your business requirements for data delivery such as data throughput, travel time and error rates.
- Ensure data-centric applications are getting timely and trustworthy data.
- Get early warning of data availability and accuracy trouble spots through alerts and "traffic light" dashboards.
- Alert personnel via email, SMS or incident management systems.
- Drill down to diagnose violations and take immediate action to minimize delays and mitigate failures of data-driven business processes.

The StreamSets Data Operations Platform is designed to simplify the entire dataflow lifecycle, including how to build, execute, operate and protect enterprise dataflows at scale. Developers can design batch and streaming pipelines with a minimum of code, while operators can aggregate dataflows into topologies for centralized provisioning and performance management.

ABOUT

StreamSets is headquartered in San Francisco. Our mission is to help enterprises harness their data in motion. StreamSets software is in use at hundreds of organizations and we're backed by top-tier Silicon Valley venture capital firms, including Accel Partners, Battery Ventures, Ignition Partners, and New Enterprise Associates.

LEARN MORE

Get up and running with StreamSets in minutes. Visit us at:

www.streamsets.com