



How can you
Insulate your data
pipelines from
unexpected shifts?



The challenge:

It's hard to keep up with constant change

New business models, global players, ongoing supply chain challenges, and the constantly-evolving regulatory landscape are shifting the competitive landscape—and putting pressure on businesses to keep pace.

Meanwhile, the talent pool is shrinking and fragmented, creating a shortage of the very skills you need. And with customer expectations higher than they've ever been, there's no room for error.

Organizations are making numerous investments to respond to these pressures, such as moving to the cloud, implementing AI, and adopting elastic and hyper-scalable data platforms. But while there's no doubt that these technologies can increase business agility, they still present

their own challenges. For example, after a lift-and-shift move to the cloud many companies end up having to do significant rework after the fact, and the data platforms require different skill sets than what organizations initially planned for. Not only do you end up with higher operating costs, you're also limited by infrastructure, technology, and data constraints, as well as skill and resource shortages. All of this hampers your ability to make competitive advances and can even expose you to data and compliance risks.

But what if you could **insulate your data pipelines from unexpected shifts?**

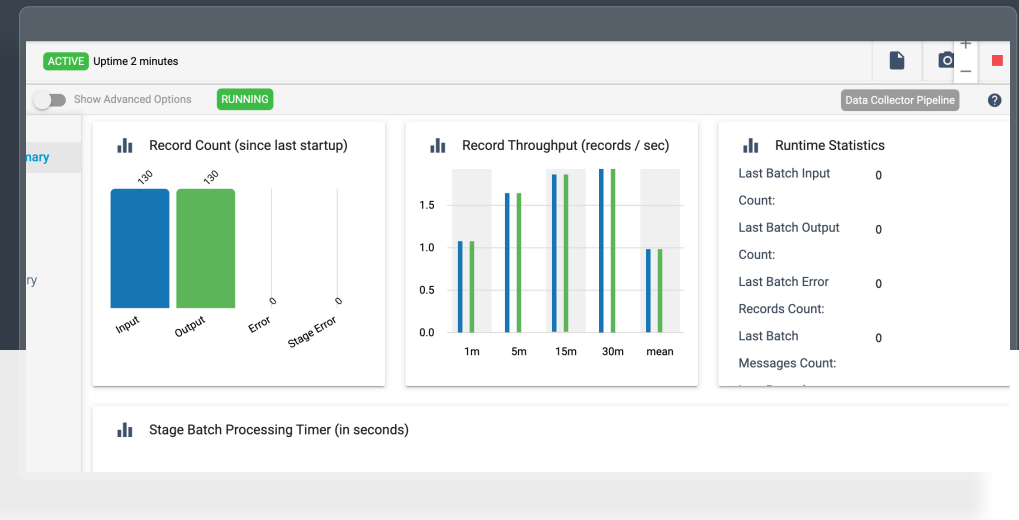
Here's how you'll make it possible...

Introduce change without worrying about breakage

Data drift—unexpected and undocumented changes to data, metadata, schema, and infrastructures—is a fact of modern data architectures.

And if the way you ingest data is dependent on how it's processed or consumed, you create a brittle pipeline; every time you change the way you store or consume data, you risk breaking the data flow.

With StreamSets' dynamic pipelines, you can introduce change without worrying about breakage. You can ingest more and more data without building more infrastructure, and different teams can innovate at their pace and without any repercussions to the data engineering team. In the end, you'll be able to operate continuously in the face of change and gain the freedom to innovate.



StreamSets dynamic pipelines proactively adapt to change by monitoring, alerting, and taking prescriptive action to keep your data flowing.



Easily capture, reuse, and refine business logic

The skill sets required to build complex business logic are scarce, and when talent leaves, their knowledge walks out the door with them.

When changes are inevitably needed, your pipelines then break, disrupting data flows and the business operations that rely on them.

With our pipeline fragments, you can easily capture, reuse, and refine business logic. You can encapsulate expert knowledge in portable, shareable elements and keep them up to date no matter where they are used. You'll maximize the impact and reach of specialized skill sets and ensure consistent implementation of data best practices.

StreamSets' pipeline fragments are common transformation logic and processing elements that can be **independently reused** across multiple pipelines **without specialized knowledge** and are **centrally updated**.



Flexibly run your data pipelines on any cloud or on-premises environment

When the conditions that led you to make certain infrastructure and platform choices change, you want to evolve accordingly.

But too often, the high barriers to making those shifts keep you operating in a sub-optimal environment.

With our infrastructure change management, you can flexibly run your data pipelines in any cloud provider or on-premises environment. You can remove the constraints past decisions impose on you so you can make technology decisions based on what's best for your use cases right now and adjust your compute resources as needed.

You'll take timely advantage of key capabilities—such as using GCP for ML/AI and AWS for predictive analytics, with the ability to move to a different cloud provider in the future if it offers the same features at half the price—to maintain competitiveness and control price on an ongoing basis.

StreamSets' infrastructure change management supports organizations by helping teams take full advantage of their preferred cloud platforms or specialized cloud data services that best fit their requirements.

Insulate your data pipelines from unexpected shifts

New market factors and a fast-paced competitive environment are making it tougher than ever for businesses to keep up with the pace of change. Meanwhile, customer expectations are higher than ever. To ensure you don't get left behind, you've got to improve and innovate your data strategy—while avoiding costly compliance risks and data breaches.

With StreamSets you'll be able to...

Introduce change without worrying about breakage; easily capture, reuse, and refine business logic; and flexibly run your data pipelines in any cloud or on-premises environment.

And that means you'll...



Operate continuously in the face of change and gain the freedom to innovate.



Maximize the impact and reach of specialized skillsets and ensure consistent implementation of data best practices.



Take timely advantage of key capabilities—such as using GCP for ML/AL and AWS for predictive analytics, with the ability to move to a different cloud provider in the future.

To learn more,
visit us online at www.streamsets.com.