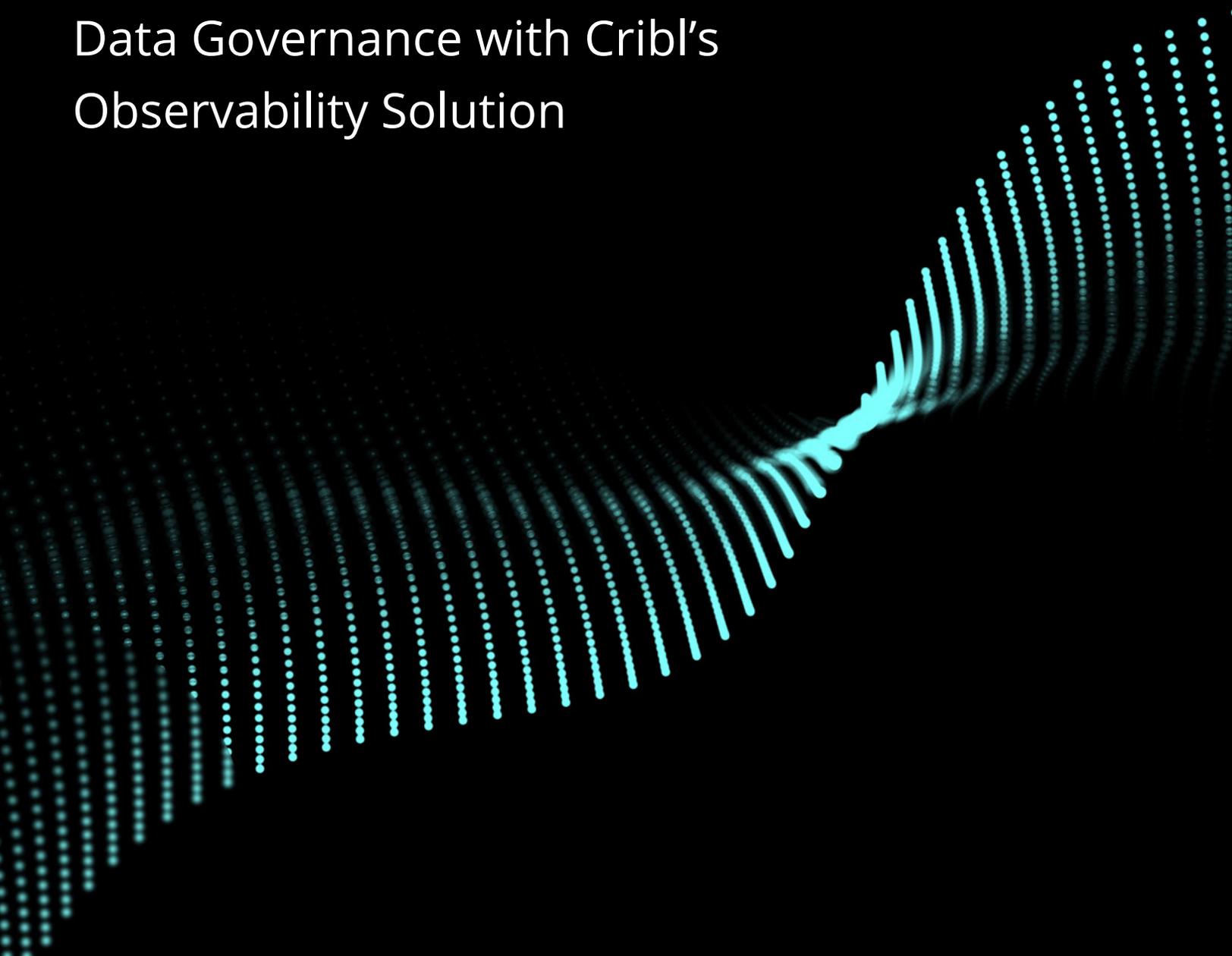Cribl

Data Governance with Cribl's Observability Solution

splunk> | ▶ Cribl

THE CHALLENGE

Observability data is spread across agents and analytics platforms, each with inconsistent capabilities to secure data and control access.

THE SOLUTION

As an observability pipeline, Cribl Stream provides a strategic point of control for all observability data, allowing teams to create a single, consistent location to control data access, redaction, and routing.

THE BENEFITS

- Rationalize your observability data governance

- Apply consistent data governance rules for observability data types

- Use fine-grained routing and control to distribute data across multiple platforms

SOLUTION BRIEF
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# Observability Data Governance From Cribl

Metrics, events, logs, and traces contain critical information about your customers and operating environment. An observability pipeline centralizes your data governance efforts to ensure data privacy and security.

As enterprises shift their data and analytics investments from centralized command and control to distributed and decentralized access, data governance becomes critical to how companies ensure high quality data is available to the right consumers at the right time. Governing observability data is an essential factor in ensuring customer privacy and security for organizations.

Those same organizations are also turning to Cribl for similar reasons. They need an observability solution with the flexibility to get data into multiple tools from multiple sources without adding new infrastructure and agents. These companies also need a tool that can flex with them – deployable on-premises or in the cloud. At the same time, they need an observability solution that gives them the ability to make new business decisions and test out new use cases at scale, regardless of the amount of data they have. Cribl addresses this concern with a dual offering of Cribl Stream and Cribl Edge. Cribl Stream is an observability pipeline that you can seamlessly plug into the middle of an existing environment. Providing the flexibility to route, shape, restructure, and enrich data from any source to any destination, without having to add new infrastructure or agents. Cribl Edge is a next generation observability agent, allowing administrators to collect and process observability data – logs, metrics, application data, etc. – in real time, from Linux machines, apps, microservices etc., and deliver them to Cribl Stream or any supported destination. Now companies requiring an observability solution can leverage Cribl Stream or Edge, independently or in combination, to gain control over their data and simplify observability efforts.

The co mponents of data governance are availability, consistency, usability, security, and integrity. As an observability pipeline, Cribl LogStream acts as a strategic control point between sources of observability data and its destinations. LogStream helps operations teams support data governance in the following ways.

STREAM ALLOWS YOU
TO ENRICH DATA FROM
EXTERNAL SOURCES
AND ENSURE THE
INTEGRITY OF THAT
ENRICHMENT.
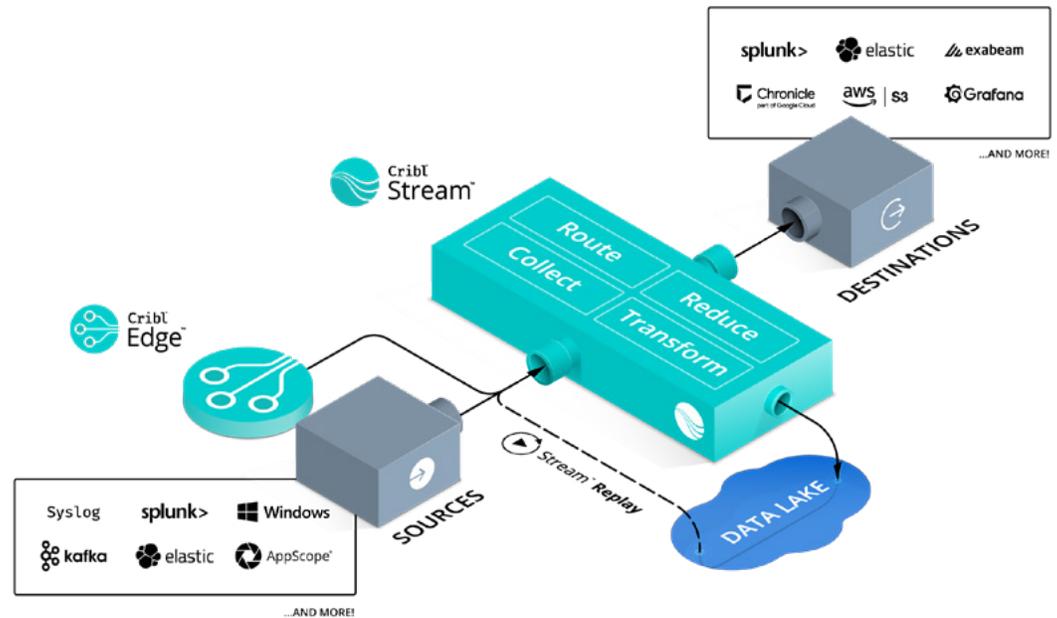
DATA AVAILABILITY, USABILITY, AND CONSISTENCY

Cribl Stream or Edge, provides vendor agnostic, routing and supports sending data to multiple monitoring and observability tools in a consistent format. It centralizes logic around transformation, enrichment, and redaction of data, rather than spreading this logic across multiple tools.

Using Cribl can reduce how much data you have to govern by as much as 50% by removing unnecessary data and fields from events, logs, metrics, and telemetry data. This also controls infrastructure costs since there's less data to store, and higher quality data improves outcomes throughout your company.

DATA SECURITY

Cribl Stream or Edge supports transport layer security (TLS) encryption over the wire to ensure the security of data in-flight. TLS security is available for any supported source and destination protocol and connection type if the source and destination supports it. Additionally, the Stream user interface and API support access security with SSL.

For data in flight, Stream supports encrypting fields or patterns within events in real time. This functionality accepts multiple replacement rules and multiple fields to apply them to.

DATA INTEGRITY

Data integrity is the accuracy of data. In other words, does that data represent the real world? With Cribl you are able to enrich data from external sources and ensure the integrity of that enrichment, sending that data on to destination platforms with a higher quality that they could achieve on their own.

Summary

As observability data gains importance in organizations, it must be managed like other corporate data assets. Applying rich data governance over observability data is a challenge because of the diversity of sources and sheer volume of data. Cribl Stream is an observability pipeline that restores control over your data. It works with any tooling and any volume of observability data. This makes it the perfect complement for your observability data governance needs.

Cribl Stream enables observability data governance by:

- *Providing a strategic control point for data availability and delivery*
- *Redacting personally identifiable information (PII) across observability streams and data sources*
- *Normalizing the range of data formats used in operational and observability to improve governance consistency*
- *Securing data in flight and encryption critical fields*

To get started with Cribl Stream, **download it free today.** The **Cribl Slack Community** is also a great place to connect with leaders from other teams leveraging Cribl Stream.

ABOUT CRIBL

Cribl makes open observability a reality for today's tech professionals. The Cribl product suite defies data gravity with radical levels of choice and control. Wherever the data comes from, wherever it needs to go, Cribl delivers the freedom and flexibility to make choices, not compromises. It's enterprise software that doesn't suck, enables tech professionals to do what they need to do, and gives them the ability to say "Yes." With Cribl, companies have the power to control their data, get more out of existing investments, and shape the observability future.Founded in 2017, Cribl is a remote-first company with an office in San Francisco, CA. For more information, visit **www.cribl.io** or our **LinkedIn**, **Twitter**, or **Slack** community.