>**SOLUTION BRIEF_**

Cribl Lake

Cribl Lake is a turnkey data lake solution that makes it easy to store, manage, access, and retrieve telemetry data. Cribl Lake leverages open formats — no pre-defined schema required, unifies security with rich access controls, and centralizes access to all IT and security data. Cribl handles the heavy lifting so data can easily be usable and valuable to the teams and tools that need it.

THE CHALLENGE

Traditional data stores are designed for structured enterprise data, forcing teams to manually define schemas, master SQL, and build parsers just to make data usable. As telemetry data explodes in volumes, legacy solutions make storing everything "just in case" costly and unsustainable.

THE SOLUTION

Organizations need a flexible, simplified data lake solution that easily scales with growing data volumes. One that will smartly manage retention, meet compliance mandates, centralize telemetry aggregation, and offer real-time analytics. Data needs to be easily accessible, which requires rich role-based access controls, centered around identity.

THE BENEFITS

- **Speed:** Get up and running in minutes. Zero configuration with automated provisioning.
- **Ease:** Easy in, easy out. Schema-on-need to deliver the format you need, when you need it. Unified policy eliminates human error.
- **Choice:** Your storage or Cribl's. Store data where it makes sense, and in open formats. No vendor lock-in ever.

The challenge.

Traditional data stores are complex, expensive, and time-consuming to manage. Data needs to be stored in specific formats. Data collectors and replay capabilities need to be properly configured. Storing data without proper access controls or masking can result in data breaches or security incidents. Managing the storage lifecycle policies can be challenging without the right mix of data and cloud skills. Misconfiguring object stores and storing too much data for too long can be a costly expense.

The influx of data into these lakes often arrives in messy, disparate formats, and can quickly turn into a chaotic data swamp — a mere dumping ground for data. Most analytics solutions today need data to be moved into them to query, they are not designed to query data natively, in place, in data lakes.

The Cribl Solution.

Cribl broadens its data management strategy with the addition of Cribl Lake, further empowering IT and security teams with the simplicity and flexibility they need to effectively handle their massively growing data volumes.

Cribl Lake is a turnkey data lake solution that takes just minutes to get up and running — no data expertise needed. Cribl Lake streamlines workflows and policy enforcement, eliminates vendor lock-in with open formats, and unifies large-scale queries and rapid analysis — ensuring organizations get the most value out of their data.

Cribl Lake makes it easy to:

- Store any type of IT and security data — raw, structured, unstructured, or in various formats.
- Optimize for future value through schema-on-need, store in any format and reformat when needed.
- Easily access data through open formats, ensuring future replay operations.
- Maintain security and compliance with unified security features, retention policies, authentication features, and access controls.
- Reduce storage costs without compromising on performance with automated tiering based on data value.
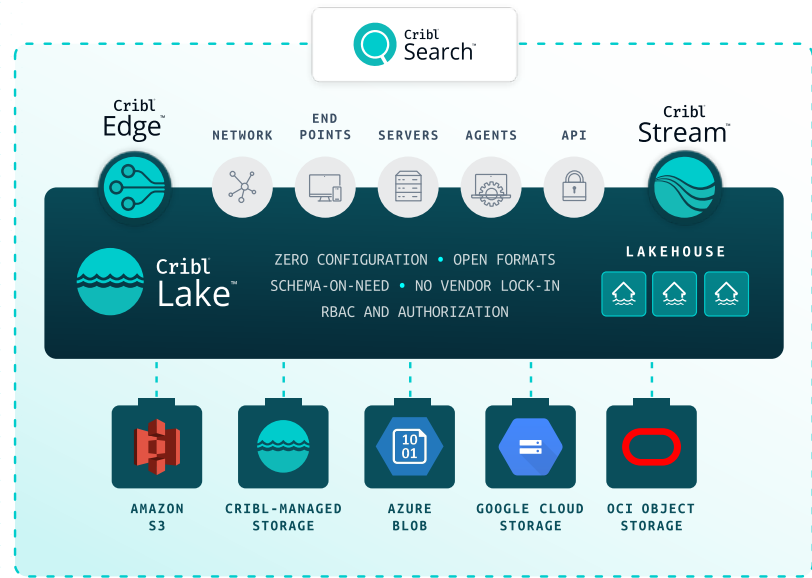
> **Lake + Search = fast analysis without delays. No need to move or rehydrate data. Unify the query experience wherever data is stored.**

Lakehouse, a feature of Cribl Lake, automates the management of diverse data types across user-defined storage tiers based on access frequency and retention needs, ensuring real-time access to high-value telemetry data without performance degradation or long retrieval times. With flexibility to perform searches — from historical analysis to real-time incident response, Lakehouse simplifies data management without breaking the budget.

Cribl Lake is fully integrated with Cribl's suite of products. Effortlessly ingest, shape, enrich, and route data downstream through Stream and Edge in any format, to any tool, at any time. Search unifies the query experience no matter where data is stored, there's no need to move or rehydrate data to run analysis. Cribl Lake rounds out Cribl's product portfolio and allows organizations to use a schema-on-need approach that gives them the flexibility, choice, and control to help solve their toughest IT and security data challenges.
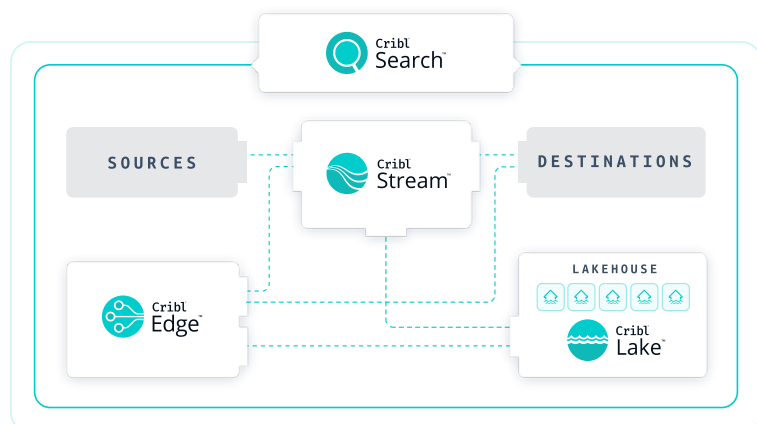
Facets of Cribl Lake

Minutes, not months to get up and running with a managed data lake.

Zero configuration needed with automated provisioning that creates a fully usable cloud data lake in minutes, instead of weeks or months. Out-of-the-box integrations streamline workflows to ingest, store, route, replay, and search data.

Take the complexity out of managing data. No cloud or data-specific skills required.

Remove the possibility of human error with automated, unified retention, security, and access control policies across object stores and clouds. Keep data safe, prevent unauthorized access, and ease data sharing across the enterprise. Cribl Lake seamlessly scales as your data needs grow.

Schema-on-need: Data in the format you need, when you need it.

Not all data is created equal. Simplify data onboarding by storing data in its original format or enrich it with additional details to provide more insight via Search. The power of Lake + Stream is being able to transform or enrich data with Replay to fit downstream tools or use cases, as required. Only transform data to a particular schema when you need to.

Bring Your Own Storage or Cribl-managed storage.

Use Cribl Lake as a unified management layer with your own storage — Amazon S3, Azure Blob, Google Cloud Storage, etc. — giving you choice to store data where you need it and to complement and optimize your existing lake strategy. Or, just let Cribl manage it all for you. Either way, you get one unified platform to manage data across the entire enterprise.

Faster, large-scale analysis across the enterprise.

Cribl Lake + Cribl Search = super unified query powers. Query data natively at rest, in and across all data lakes. Run faster investigations by not having to move or rehydrate data.

> Cribl Lake gives IT and security teams the power to optimize costs without compromising performance by storing massive telemetry volumes with automated tiering. Instant data access leads to flexible, faster insights.