

## &gt;SOLUTION BRIEF\_

# Cribl and AWS for Observability

## THE CHALLENGE

As telemetry data grows at ~30% CAGR and budgets can't keep up, you need a sustainable way to scale your observability practice without sacrificing insight.

## THE SOLUTION

Cribl integrates with AMG, AMP, and Amazon OpenSearch Service to streamline the collection, shaping, and routing of telemetry data for visualization, metrics, and log analytics.

## THE BENEFITS

- Centralize data flow for instant visualization and analytics
- Streamline Amazon OpenSearch Service analytics
- Accelerate migrations from self-hosted Grafana & Prometheus
- Lower TCO without losing visibility

Cribl integrates with Amazon Managed Grafana (AMG), Amazon Managed Prometheus (AMP), and Amazon OpenSearch Service to streamline the collection, shaping, and routing of telemetry data for visualization, metrics, and log analytics.

### The challenge

Facing ~30% CAGR in telemetry data and soaring cardinality is hard enough, but the added complexity of migrating self-hosted stacks pushes budgets and resources to the breaking point. You need a sustainable way to scale that allows you to access the full potential of your stack without losing insight. Unless you have control over your data, you're stuck choosing between bill spikes and critical data gaps. That constant tension between cost and fidelity makes it difficult to build a long-term, repeatable data management strategy.

### The solution

Cribl seamlessly integrates with Amazon Managed Grafana (AMG), Amazon Managed Prometheus (AMP), and Amazon OpenSearch Service. Cribl provides the observability control and data plane in front of AWS Managed services, combining central policy and orchestration with distributed processing that feeds AMP, AMG, Amazon OpenSearch Service, and Amazon S3. Cribl Edge collects telemetry data from any source at the host, while Cribl Stream shapes and routes that data into AWS Managed services and S3 for visualization, metrics, log analytics, and full-fidelity retention.

Cribl can filter noise, manage metric cardinality, and ensure that AMP receives optimized metrics, OpenSearch Service receives well-structured, enriched logs, and AMG is powered by the right data, while full-fidelity copies are retained in Amazon S3 for long-term analytics and replay. Dual-route data to both legacy observability stacks and AWS services to enable phased migrations and a tiered storage strategy that uses AWS native services for day-to-day visibility and S3 for cost-efficient retention. The result is a cleaner, more efficient dataset that shortens mean time to resolution (MTTR) and lowers total cost of ownership (TCO) without sacrificing insight.

transformation, and management. With dedicated integrations, it pulls cloud security data from Wiz Cloud and Threats and Detections from Wiz Defend, letting teams automatically schedule, collect, and analyze data; or they can fine-tune synchronization through Cribl's REST API Collector for greater precision and efficiency.

## AMAZON MANAGED GRAFANA (AMG)

Cribl powers AMG dashboards by delivering the right metrics/logs into AMP and OpenSearch Service. Plus, keep a full-fidelity copy in S3 for audit and historical analysis.

## AMAZON MANAGED PROMETHEUS (AMP)

Cribl routes Prometheus metrics from OpenTelemetry and third-party agents/vendors, manages metric cardinality, and optimizes ingestion to AMP to improve performance and reduce costs.

## AMAZON OPENSEARCH SERVICE

Cribl normalizes and enriches logs before delivery, reduces noise, and supports multiple use cases (operations, SRE, SecOps). Retain voluminous, raw events in S3 with easy access for search-in-place and replay.

### ABOUT CRIBL

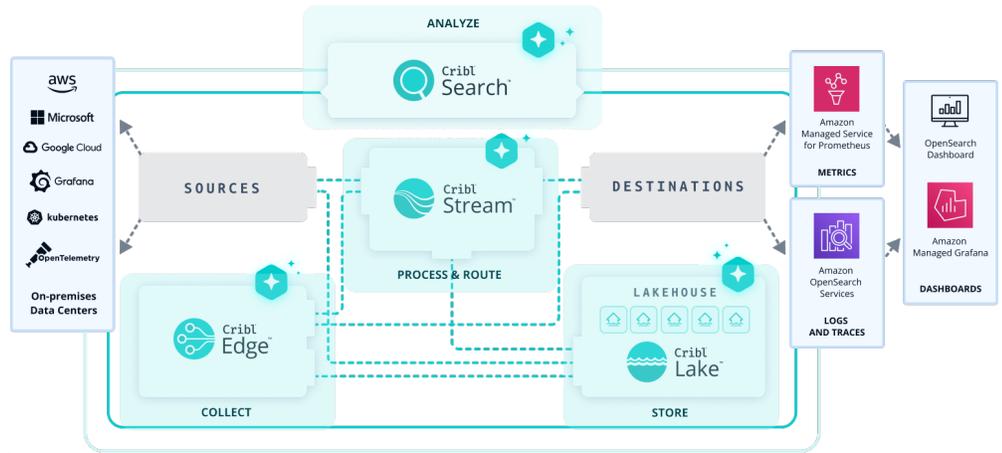
Cribl, the Data Engine for IT and Security, empowers organizations to transform their data strategy. Customers use Cribl's vendor-agnostic solutions to analyze, collect, process, and route all IT and security data from any source or in any destination, delivering the choice, control, and flexibility required to adapt to their ever-changing needs. Cribl's product suite, which is used by Fortune 1000 companies globally, is purpose-built for IT and Security, including **Cribl Stream**, the industry's leading observability pipeline, **Cribl Edge**, an intelligent vendor-neutral agent, **Cribl Search**, the industry's first search-in-place solution, and **Cribl Lake**, a turnkey data lake. Founded in 2018, Cribl is a remote-first workforce with an office in San Francisco, CA.

Learn more: [www.cribl.io](http://www.cribl.io) | Try now: [Cribl sandboxes](#) | Join us: [Slack community](#) | Follow us: [LinkedIn](#) and [X](#)

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## The benefits of using Cribl and AWS:

### Enable AWS Managed observability at scale

Onboard, shape, and route telemetry from any source directly to Amazon Managed Grafana, Prometheus, and OpenSearch Service, with Cribl acting as the central data pipeline for instant visualization and analytics.

### Streamline Amazon OpenSearch Service analytics

Optimize and enrich logs prior to routing, ensuring OpenSearch Service receives only high-quality data, improving performance and controlling ingestion costs. Store full-fidelity copies in Amazon S3 to manage bursty analytics and replay datasets instantly when needed.

### Accelerate migrations from self-hosted Grafana & Prometheus

Migrate legacy workloads to AWS Managed Services with confidence. Dual-route data to execute phased cutovers, validating that the right data lands in the right AWS destination without service interruption.

### Lower TCO without losing visibility

Route high-value data to premium tools, in AWS or elsewhere, while offloading bulk telemetry to low-cost object storage, like Amazon S3. Replay data on demand for investigations, maintaining total visibility while eliminating unnecessary ingestion costs.

## Summary

As observability data explodes and metric cardinality soars, teams are forced to trade off between visibility and cost across their AWS environments. Cribl, the Data Engine for IT and Security, works with AWS services like Amazon Managed Prometheus, Amazon Managed Grafana, and Amazon OpenSearch Service to intelligently collect, shape, and route telemetry from any source. This gives organizations the choice, control, and flexibility to scale observability, prioritize high-value data for analysis, and retain full-fidelity data cost-effectively in Amazon S3 for replay and investigation.

To get started with AWS and Cribl today, visit [AWS Marketplace](#). The [Cribl Slack Community](#) is also a great place to connect with leaders from other teams leveraging both AWS and Cribl.