



Conquer your Migration to the Cloud

HOW TO NAVIGATE IT AND SECURITY DATA
CHALLENGES FOR A SMOOTHER, SAFER TRANSITION.





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Cloud migration is always an uphill climb

BUT YOU CAN REACH THE SUMMIT

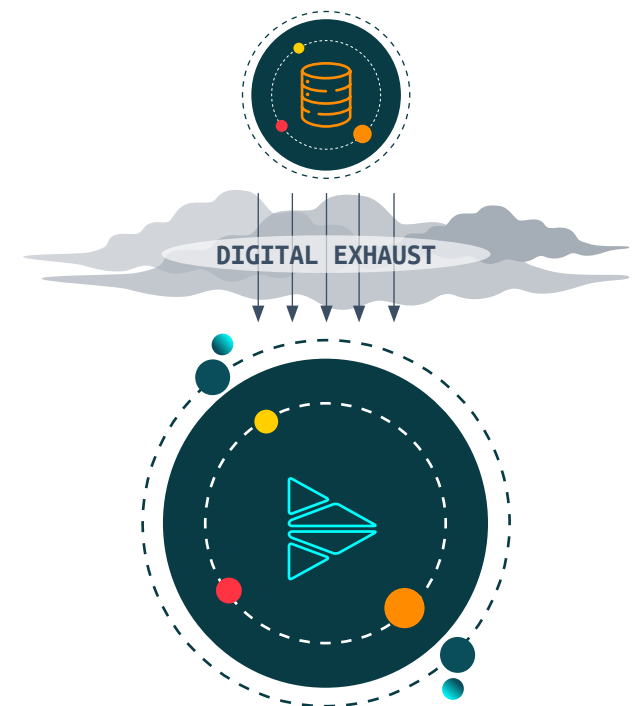
Many organizations are encouraged to move to the cloud for better cost-efficiency and agility. The benefits are clear, but **migrating from an on-premises environment to the cloud can feel like climbing Mt. Everest without gear** — daunting, stressful, and leaving you gasping for air. Okay, maybe not that extreme, but you get the idea.

While BI data is critical for business operations, many organizations overemphasize it during pre-migration, leaving IT and Security planning as an afterthought. IT and Security data form the foundation of a secure, scalable cloud environment. However, the sheer volume, variety of formats, and differing value of this data can overwhelm even seasoned professionals. Tackling these challenges early in the planning process is crucial to avoiding security gaps, compliance risks, downtime, and cost overruns that could derail your migration.

A well-thought-out data management strategy that includes IT and Security data ensures secure transfer, accessibility, and regulatory compliance. Cribl supports your cloud migration by maintaining continuous visibility across cloud and legacy environments and security solutions like SIEM, throughout the migration process. Additionally, you can seamlessly transition your application monitoring once the migration is complete.

On average, it takes organizations 52 days to change over from their old primary SIEM to the new one.*

Application, security, and performance data



How Cribl helps

Why *are* migrations so difficult?

DO YOU FACTOR DATA MANAGEMENT INTO YOUR MIGRATION STRATEGY?

Migrating complex systems, applications, and large volumes of data while minimizing disruptions is tough.

IT and Security Data need special attention due to their complexity, volume, and critical role in maintaining operational integrity and security posture during and after migration. This data often includes system logs, network configurations, and security policies.

Whether you use new or legacy systems, without seamless security and observability data coverage, an outage could occur, and you'd know nothing about the cause or impact.

If you don't carefully migrate security and observability data, you could suffer from compliance risks and operational disruptions in the new cloud environment. A strong data management strategy for IT and Security data is essential to ensure secure transfers, accessibility, and regulatory compliance, allowing your organization to fully benefit from cloud computing.

Potential consequences of unaddressed issues:



Data security and compliance

Gaps in security and compliance may leave data unprotected and violate regulatory reqs.



Downtime and service disruption

Business continuity disruptions can damage reputation and lead to compliance issues.



Cost management

Redundant data and inefficient storage can increase costs.

Forge the trail to more innovation

LET CRIBL BE YOUR SECURITY AND OBSERVABILITY DATA MANAGEMENT TRAIL GUIDE



Whether you're migrating on-premises IT and Security data to the cloud, upgrading cloud infrastructure, or moving security and observability tools to AWS, careful planning and execution are essential to a smooth transition.

What does that look like? **Cribl serves as your safety net, ensuring strong security and observability data governance.** You can maintain legacy systems while gaining visibility into your new environment, validating that applications and customers have migrated successfully – so you can avoid fixing forward. Plus, after migration, you'll have better insights and control over your data.

In short, we turn Mt. Everest into a leisurely hike.

Let's clear the air before our ascent:

We're
focusing
on:

IT,
SECURITY,
OBSERVABILITY,
AND TELEMETRY DATA

METRICS, LOGS,
AND TRACES

Not
focusing
on:

APPLICATION
MIGRATION TOOL

BI DATA



Why migrate to AWS with Cribl?

ACHIEVE BETTER BUSINESS OUTCOMES

Security and observability data governance is vital for monitoring and securing your data during migration. As an AWS ISV Workload Migration Program Partner, Cribl helps accelerate your cloud journey for faster results. With a proven track record of speeding up cloud migrations, we enable a smooth, efficient transition.



Make migrations easier and mitigate operational risk

Cribl acts as your safety net, giving you effective security and observability data monitoring across your entire estate. Maintain your legacy systems while gaining insight into your new environment. Validate that your applications and customers have safely migrated to your new cloud environment, without compromising your operational or security posture — saving you the headache of fixing forward.



Increase agility and flexibility

Collect data from multiple destinations to gain a single view of your legacy applications and new platform. With full control of your data, you can quickly adapt to changing business needs and scale as needed.

Migrating to AWS delivers:

66%

increase in administrator productivity

20%

reduction in infrastructure costs

29%

increase in staff focus on innovation

43%

faster time to market for new features

45%

fewer security-related incidents

Source: "The Business Value of Migration to Amazon Web Services," report, The Hackett Group, February 2022.



Let's examine how **Cribl** can help you overcome these challenges in your **AWS** environment.

Data security and compliance



DATA BREACHES

Maintaining strong operational and security postures during migration is tough. Without proper security monitoring, you risk compromising your defenses, increasing the chance of a breach. Even a minor breach can trigger audits and investigations, leading to bigger issues.

COMPLIANCE REQUIREMENTS

Meeting industry and regional regulations (e.g., GDPR, HIPAA) during a migration can be challenging. Non-compliance can result in serious legal and financial consequences.

Cribl offers the flexibility to filter, redact, encrypt, and route data before sending it to the cloud. This ensures consistent security and compliance with the specific regulatory requirements of each geographic region.

Data security and compliance



Downtime and service disruption



Cost management



Downtime and service disruptions



BUSINESS CONTINUITY

Downtime during migration can disrupt operations, leading to lost revenue, reduced productivity, and reputational damage. Customers may experience interruptions, causing frustration and loss of trust.

NEGATIVE CASCADING IMPACT

Migrating interconnected systems and applications means a disruption in one area can trigger widespread outages across your services.

**Maintain your legacy systems while monitoring your new platform.
Validate that your applications and customers have safely migrated, and gain better insights and control over your data post-migration.**

Data security and compliance



Downtime and service disruption



Cost management



Cost management



UNEXPECTED EXPENSES

Migrations can uncover hidden costs like extra licensing fees, data transfer charges, or the need for specialized staff. Downtime during migration can also result in significant financial losses, with every minute of downtime impacting revenue.

SECURITY AND OBSERVABILITY DATA OPTIMIZATION COSTS

Some AWS solutions can generate large datasets that are hard to manage if not optimized. After migrating, you need ways to handle security and observability data as your application scales.

Optimize, shape, and enrich your data to make it more manageable, then route it to multiple destinations. With complete control of your data, you can quickly adapt to changing business needs and scale resources as required.

Data security and compliance



Downtime and service disruption



Cost management





Let's **unpack** the migration process
and potential challenges.

Pre-migration phase

IDENTIFY AND ASSESS

Before aiming for the summit, you need to assess your starting point. What legacy system nuances must you account for?

Begin by identifying your requirements. Will you stick with the existing logging system or switch to the new platform's logging? How will you normalize data between the new and old platforms to ensure operational efficiency and security posture?

What application data is essential? How will developers adapt to the new platform?

For cloud-native development, it's essential to know where your new logging data will originate. If you're replacing or augmenting your legacy logging system, you'll need flexible tools to collect data from any source.

Focus on small wins and take manageable steps.

Determine a comprehensive data migration plan that anticipates potential issues.

Pre-migration

- 01 Assess situation and dependencies
- 02 Outline best practices
- 03 Define strategy and game plan
- 04 Determine data management strategy

Implementation

- 01 Lay the groundwork; less complexities
- 02 Trial and error
- 03 Tackle in waves
- 04 Widespread adoption

Post-migration

- 01 Governance
- 02 Validation
- 03 Automation
- 04 Optimization and maintenance

Implementation phase

TAKE A PHASED APPROACH

We're en route! Start by prioritizing business-critical data and simpler workloads.

This gives you room for trial and error without a laundry list of nuances. Cribl's bread and butter is the flexibility to get data from anywhere and help you manage it with precision.

Don't forget about change management! Clear communication, training, and support are crucial to help stakeholders adapt and transition to new processes and technologies.

Keep it simple: test, validate, and expand.

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Post-migration phase

REFLECT AND REFINE YOUR PROCESS

Your trek isn't over yet! After migrating, it's critical to collect and optimize data to ensure the performance and scalability of cloud services like AWS.

Continuously monitor for vulnerabilities and address any threats with robust security measures like encryption, multi-factor authentication, and regular audits.

Teams need full visibility into the new platform. Cribl helps monitor evolving operational and security requirements, reducing maintenance efforts and ensuring automation, optimization, and scalability.

With performance metrics and capacity planning insights, you can automate routine tasks, optimize resource utilization, and develop best practices to mitigate future risks. You can also partner with a Managed Service Provider for ongoing support.

Inspect, identify improvement areas, and adjust.

Pre-migration

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AUTODESK – \$5B software corporation

BREAKING FREE FROM ACCUMULATED TECHNICAL DEBT



The challenges

- Consolidation of monitoring tools.
- Back office system infrastructure cobbled together.
- Migration to multi-cloud environment to increase enablement across the business.
- Log data not optimized and onboarding inefficient.



How Cribl and AWS help

- Accelerate data onboarding.
- Simplify routing of the right data to the right system.
- Optimize and reduces data sent to critical systems.
- Provide enough flexibility to achieve business goals and initiatives.
- Standardize on one monitoring tool with optimized alerting.

“

Cribl is transforming our relationships across the business. It gives us the flexibility to achieve our goals, get data onboarded and routed to the appropriate systems more easily. We are more agile and provide a better experience to our customers for a lower costs.

Samy Senthivel

Director of Observability Services

What's next?

LEARN MORE

- Check Cribl out on [AWS Marketplace](#)
- Dive into [Cribl.io/aws](#)
- Try out [the sandbox](#)!



Cribl, the Data Engine for IT and Security, empowers organizations to transform their data strategy. Powered by a data processing engine purpose-built for IT and Security, Cribl's product suite is a vendor-agnostic data management solution capable of collecting data from any source, processing billions of events per second, automatically routing data for optimized storage, and analyzing any data, at any time, in any location. With Cribl, IT and Security teams have the choice, control, and flexibility required to adapt to their ever-changing data needs. Cribl's offerings — [Stream](#), [Edge](#), [Search](#), and [Lake](#) — are available either as discrete products or as a holistic solution.

Learn more: [cribl.io](#) | Try now: [Cribl sandboxes](#) | Join us: [Slack community](#)
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