WHITLOCK IS

StreamWeaver®

StreamWeaver Integration Platform

Migrating to the Cloud with Confidence

Introduction

The importance of visibility during cloud migrations

Cloud migration has accelerated in 2020 as more organizations undergo digital transformation to improve cost-efficiency, support scalability, ensure business continuity, and enhance the customer experience.

Before you can reap the benefits of cloud computing, your data and processes need to be migrated to the cloud seamlessly and successfully. However, even the best project managers still experience bumps and setbacks along the way -- one of which is a degraded performance experience.

It's challenging for any organization planning a cloud migration to be 100% certain that the cloud platform can match or exceed the performance and availability levels of their current systems. To minimize the risk, you need visibility into the service performance before, during, and after migration from the end-users perspective.

As such, you should set up a centralized monitoring service before your cloud migration process. This will allow you to monitor and compare the performance of the legacy application with that of the new cloud service from a single location.

> "50% of ITDMs say that there were unexpected negative outcomes with performance when they migrated to the cloud."
>
> Actian. 2020

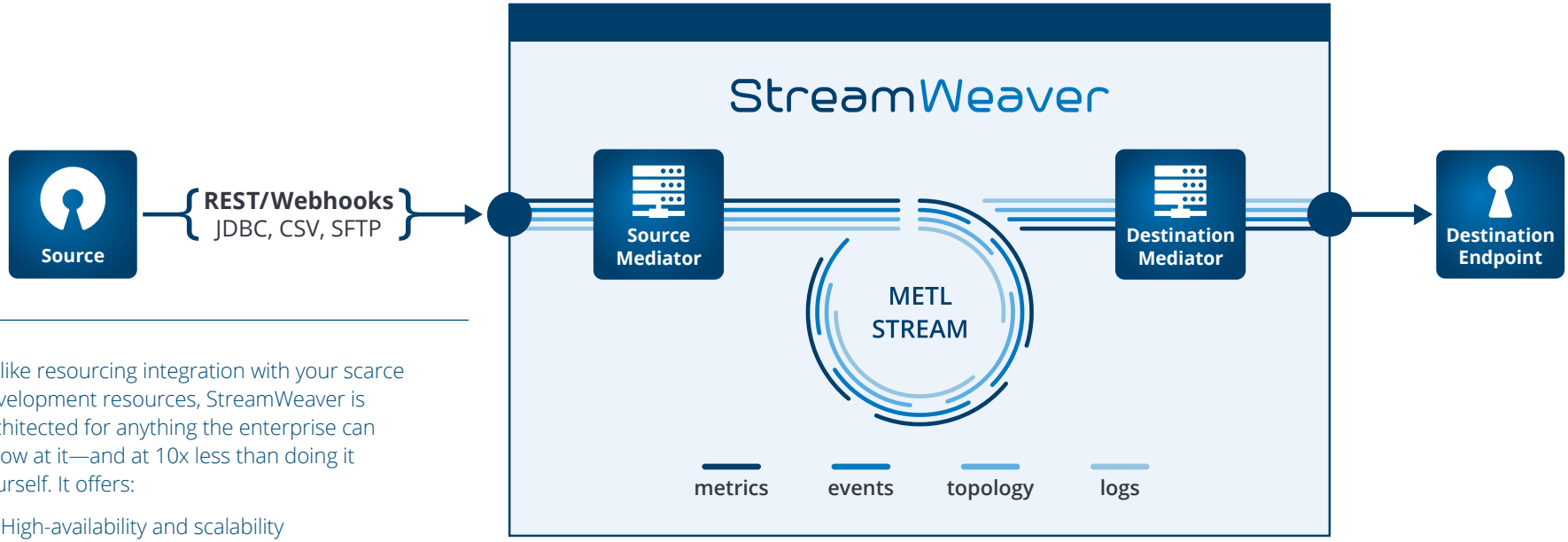
> "63% of cloud decision-makers reported understanding app dependencies as the top cloud migration challenge."
>
> Flexera. 2020

StreamWeaver Integration Platform

Integration made simple: connect your tools in minutes, not months

Downtime is costly. Therefore, you need fast and seamless integration to ensure a smooth transition and maintain a high-performance level. StreamWeaver's Integration Platform is a robust, scalable, and easy-to-use system that connects all your applications in just a few minutes — a task that could otherwise take weeks, months, or even years to complete.

StreamWeaver connects on-prem and cloud-based best-of-breed tools so you can eliminate costly services, as well as the constant upkeep of point-to-point vendor-provided or custom-developed integrations. The integration allows you to move data out of silos and into a centralized location to ensure a successful cloud migration.



Unlike resourcing integration with your scarce development resources, StreamWeaver is architected for anything the enterprise can throw at it—and at 10x less than doing it yourself. It offers:

- High-availability and scalability
- Data filtering and masking
- Guaranteed delivery and throttling
- End-to-end security
- Data replication
- Flexible deployment models

Migrating Applications with StreamWeaver

If the applications being migrated are essential to day-to-day business operations, you can't afford to shut them down during the transition. To accommodate the time needed to migrate and verify the applications, you need to establish a parallel, end-to-end monitoring strategy that ensures acceptable performance for end-users.

However, the monitoring process is different in the cloud. It's primarily executed via API calls that legacy systems don't support. As such, monitoring your new application often requires tools designed specifically for modern application architecture.

StreamWeaver's Integration Platform is designed to bridge the gap and deliver the data you need from both your legacy and new systems:

STEP 01 — ESTABLISH BASELINE

- Establish at least 30 days' worth of baseline performance from your existing monitoring tools
- Leverage topology data to understand service dependencies so no database is left behind
- Deploy new tools to support your cloud service if your legacy tools aren't designed to do so
- Centralize all the data so you can easily perform side-by-side comparisons

STEP 02 — MONITOR

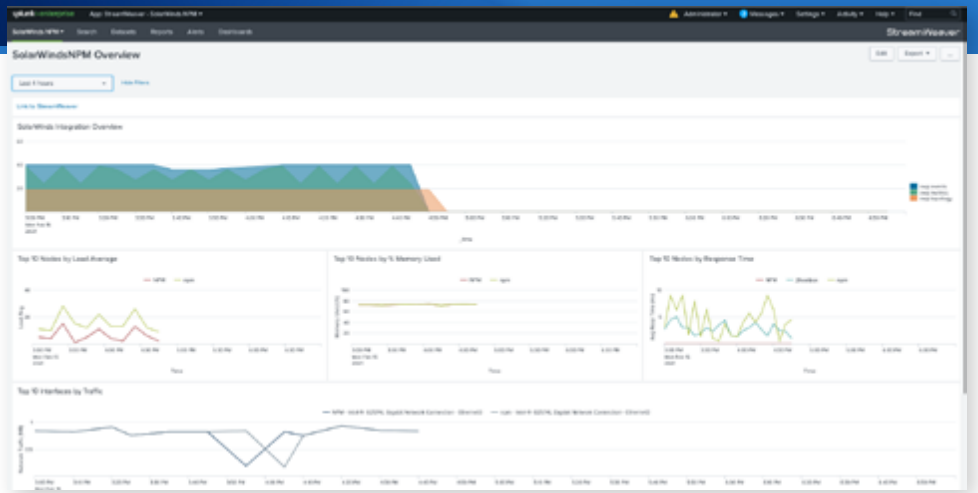
- Collect data from application code, databases, and external services
- Compare the data against pre-migration baselines
- Use the data to detect errors or issues before moving to the next phase of migration
- Confirm the complete migration of all your data

STEP 03 — COMPARE & VALIDATE

- Validate that the cloud migration process is delivering the desired improvements
- Examine deviations from the baseline and determine if they are acceptable
- Ensure that new errors aren't introduced into the system

STEP 04 — OPTIMIZE

- Monitor for degradation of the end-to-end application performance relative to the baseline
- Compare component performance to pinpoint issues and optimize cloud spend
- Re-architect when needed to optimize the end-user experience



Centralized Monitoring

End siloed culture by eliminating siloed information

Data locked in one application and inaccessible to other software can cause issues during cloud migration by making it hard to identify problems before, during, and after the transition. To minimize problems caused by siloed information, you need end-to-end observability.

StreamWeaver's Integration Platform offers a single monitoring solution, natively designed for the complexities of modern business applications. It unifies visibility of client-server, virtualized server, serverless, hybrid cloud, as well as container and microservices deployments to eliminate silos during application migration.

Consolidating monitoring before migration provides you a with comprehensive view of the baseline performance. It simplifies the identification of performance issues while eliminating siloes so you can optimize ongoing data analysis and performance.

Cloud migration gives you the perfect opportunity to centralize your monitoring services and gain end-to-end operational visibility so you can reap the long-term benefits of cloud services – resiliency, scalability, flexibility, cost optimization, and security.

Allows the use of **existing tools** while forwarding data to your new cloud tool

Support **lift-and-shift strategies** by quickly surfacing unexpected performance issues when applications are transitioned directly to the cloud

Support **in-cloud transformations** by alerting you to new types of incidents and unforeseen capacity problems

Support **multi-cloud application deployment** by identifying latency issues and the root causes of complex transactions that span multiple microservices

Conclusion

Make your cloud migration a success

Successful cloud migration will provide you with a performance level that's just as good, if not better, than your current on-prem solution.

Having visibility is critical to achieving optimal performance during and after cloud migration. However, legacy application monitoring leaves data in silos, making it difficult to measure and monitor baseline performance. The process could become even more challenging if you also need to integrate new monitoring systems into the cloud architecture.

StreamWeaver gives you the visibility you need to perform complex cloud migration in minutes, instead of months. You can integrate on-prem and cloud data to a single, centralized destination to easily baseline and monitor performance. You can also set up parallel monitoring -- running your new and existing tools side-by-side to compare performance and reduce risks as you migrate your services. And you can accomplish it in just minutes rather than months.

StreamWeaver is now available
for SaaS, private cloud, and on-prem.

> "An integrated 'single pane of glass' can increase operational efficiency as much as 70%, cut one-third from the total cost of ownership of cloud management tools, and reduce the time required to provision technical infrastructure, from weeks to as little as an hour."
>
> Cognizant. 2020

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Available on the AWS Marketplace

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