Solving Cloud Tooling Complexity with Fully Managed Tools

Let us run your tools, so you can run your business

Managing Your Own Tooling: An Unnecessary Cost

The upside to procuring and managing your own cloud tooling is that you can add to your library of tools gradually, reconfigure your tools as you see fit, and curate your tools according to the features you think you'll need. But more often than not, this leads to unnecessary complexity, additional staffing to administer and leverage your tooling, and costs in the form of ongoing maintenance, integration, and tuning.

Just as AWS abstracts away the burden of running your own servers, Mission Cloud One removes the need to hire for and manage the most common types of tooling for a modern AWS environment — namely:**cost management, cloud monitoring**, and **security.**

Do-It-Yourself vs. Cloud One

Almost every customer we work with will at some point need tools to **manage costs**, to **actively monitor** their resources, to **harden security** against threats, and to r**ecover from incidents**.

Here's the difference between managing the tooling yourself vs. using Cloud One.

|	**DO-IT-YOURSELF**	**CLOUD ONE**
Centralization - How do you integrate information across tools?	*Your responsibility.* You will need to develop your own system for making each tool in your stack work together harmoniously and to manage any dependencies or conflicts this creates.	*Our responsibility.* With our proprietary platform, **Mission Control**, we've designed a system to integrate and share information from each tool in our stack.
Configuration - How do you instrument your environment for a new tool and calibrate its output?	*Your responsibility.* Expect a lengthy set-up when first instrumenting your environment with a new tool, a large learning curve for understanding how it works, and a prolonged period of tuning as you try to set useful thresholds for how it alerts and logs information.	*Our responsibility.* We instrument your environment for you and calibrate each tool according to your preferences while acting as your buffer against noisy or needless alerting.
Management - Who ensures your tools are working correctly?	*Your responsibility.* It's your responsibility to troubleshoot when the tooling breaks or isn't performing as expected and be prepared to make adjustments whenever you expand, reconfigure, or modernize your cloud resources.	*Our responsibility.* We ensure all your tooling is operating as it should be and correctly covering your environment as it evolves.

	DO-IT-YOURSELF	CLOUD ONE
Reporting - Who leverages the information you collect to help you make business decisions?	*Your responsibility.* In order to actually act on the information your tools generate, like managing your costs or informing strategic decisions, you will need trained individuals who can understand each tool's reporting and synthesize this information to form meaningful insights.	*Our responsibility.* Our team of certified Cloud Analysts will continuously analyze your costs, performance, and opportunities to optimize as part of our regular cadence meetings with you, curating the information from your tools and aligning it to your strategic objectives.
Operations - When you're alerted to an incident, who is responsible for recovering any affected systems?	*Your responsibility.* Expect to maintain a rotating list of on-call engineers or a dedicated operations team to respond whenever an alert is issued and to develop appropriate plans of action to secure your business or get back online according to different incident scenarios.	*Our responsibility.* Our 24/7 Cloud Operations team collaborates with you to build runbooks, helping you create recovery strategies, and then reacts to alerts on your behalf and in real-time to help you recover from incidents.

Industry-Leading Tools + Unmatched AWS Expertise

Once we realized that many customers were trying to develop and manage their own suite of tooling for these common needs, we invested in industry-leading tools we could integrate and manage seamlessly. We then built our own platform, **Mission Control** 🏠 , to create a helpful interface for accessing these tools and understanding how to act on the information they surface.

By combining these tools and Mission Control with an experienced team of Cloud Analysts and a 24/7 Cloud Operations team, we help companies make better strategic decisions and renew their focus on business-critical activities. Not only do you get these powerful tools as a turnkey solution, you'll be working experts who advise the leading companies across many industries and who have developed a set of best practices honed over hundreds of AWS environments and thousands of deployments.

The result is a "fully managed cloud tooling" experience, in which you no longer have to immerse yourself or your team in the day-to-day complexity of administrating, reporting, and maintaining your cloud tooling and can get back to doing what you do best—running your business.

CLOUDHEALTH

NEW RELIC

ALERT LOGIC

Solving Cloud Tooling Complexity
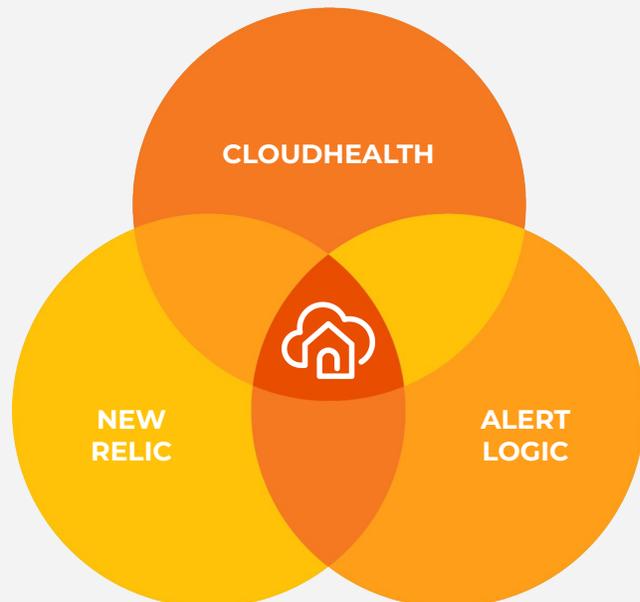
Customer
Success Story

Groundspeed

How
Groundspeed
Cut Tooling
Costs by
Migrating From
Datadog to
Cloud One and
New Relic

CHALLENGE

When discussing AWS cost-optimization opportunities with Groundspeed, it became clear the company faced issues with its existing monitoring tool, Datadog, and the burden of managing it independently. Groundspeed required a custom solution to address its distinct monitoring requirements but needed in-depth technical expertise to develop a solution.

In order to arrive at such a solution, Mission Cloud had to meticulously scrutinize and understand each aspect of the current Datadog implementation, their queries, and translate these queries into New Relic query language (NRQL). To verify that Groundspeed's monitoring coverage remained comprehensive, a worksheet would compare the results between Datadog and New Relic versions and validate a migration's accuracy.

SOLUTION

We devised a plan to seamlessly migrate to New Relic and provide ongoing support to the client through Mission Cloud One. This support included access to a dedicated team of AWS experts, including Cloud Analysts for FinOps and InfraOps support along with CloudOps specialists.

Because Groundspeed was under an existing contract, we developed a two-phase approach. Priority was given to the New Relic migration, followed by Reserved Instance Optimization and Cloud One support.

RESULT

Following the migration, Groundspeed retained its monitoring capabilities but exchanged the operational costs of managing Datadog for having Cloud One manage their tooling for them. **We migrated all but one of about 150 monitors to New Relic**, and for the exception, we recommended leveraging New Relic Flex to create custom scripts to reproduce the coverage.

Additionally, we created a variety of workflows and specific channels connected to Slack, New Relic, and PagerDuty, in tandem with Cloud One, to facilitate seamless notifications to the appropriate teams.

The migration to New Relic resolved Groundspeed's spending and management challenges. We delivered a seamless transition, with improved functionality and dedicated support. Groundspeed now has a cost-effective solution to meet its monitoring requirements along with a team dedicated to its optimization and efficiency.