Automating Cloud Cost Management

Stop chasing engineers; automated cloud cost management saves engineering time and effort.

Your cloud costs are exploding. There is clearly some waste in your cloud spend, and you know that there are savings to be found. The question is, how do you find it? It's a question that lies within your finance and DevOps teams – or in your newly minted FinOps practice – and the answer has historically started with better reporting to drive cloud cost savings discussions. But reporting just counts the money after it's been spent. Saving money still relies on engineering to spend significant effort finding and implementing cost savings.

Wouldn't you rather have conversations that start with "**our automation stopped a runaway cloud cost issue before it could impact our bottom line,**" or "**here's how we're saving 70% on cloud costs without having to lift a finger**"? Or, any conversation that revolves around proactively saving on cloud costs rather than just reporting on where those costs were already wasted, and how you can avoid making that same mistake in the future if you roll up our own sleeves?

A Different Approach to Cloud Cost Management

Harness Cloud Cost Management (CCM) was built to create cloud cost savings opportunities that can only be realized through an automated and intelligent approach. Your engineers have far more important things to do than to chase cost recommendations. They want to automate their new feature deployments, so they are cost optimized from the start.

Here's how Harness CCM leverages AI/ML to automate cloud cost management for your teams and save anywhere from 70-90% on your cloud spend.

Problem
Saving money on cloud costs is time consuming and can impact engineering productivity, taking them away from important development work.

Solution
Automated, intelligent cloud cost management frees engineering from the burden of manual cost management activities.

Request a Demo ↗

Automatically Manage Idle Resources with Cloud AutoStopping

Your engineers don't work 24 hours a day, but their development environments do. Unused, idle cloud resources are the single largest cause of wasted cloud spend, especially in development environments that are left running while engineers are away. Using scripts or manually scheduling on/off times is unwieldy, error prone, and not especially effective in managing idle resource times.

Busy ▮ **Idle** ▯

	MON	TUE	WED	THU	FRI	SAT	SUN

Cloud AutoStopping actively manages cloud resource idle time effectively, automatically detecting and halting unused and idle cloud resources without impacting end-user productivity. More than simple scheduling, Cloud AutoStopping dynamically detects resource activity and automatically restarts compute resources using spot or on-demand instances as needed.

Accelerate Cost Savings with Automated Spot Instance Orchestration

Spot instances offer tremendous savings because they use spare compute capacity that the cloud provider isn't otherwise using. The challenge comes when the provider has a surge in demand and takes back that capacity, interrupting access to spot instances. For most organizations, this means limiting their use to stateless or spiky workloads, which greatly reduces their cost savings opportunity.

Harness has full spot interruption handling with on-demand fall back capabilities built-in to automatically manage spot instance usage across cloud providers, as well as Kubernetes clusters. Intelligent integration with cloud provider APIs ensures that our AI-driven spot orchestration engine chooses the right instances to maximize application availability.

Deploy Cost-Optimized Infrastructure from Your CI/CD Workflows

When was the last time your engineers deployed a new app with exactly the resources it needs? Overprovisioned applications are the leading source of micro-wastage in your cloud deployment costs as engineers err on the side of caution to ensure application uptime for your customers. But finding and correcting these overprovisioned resources takes engineers away from the next major innovation driving your revenue.

With Harness CCM, your DevOps teams have the information they need to create cost optimized application infrastructure as part of their continuous deployment pipeline workflows. Your teams have an unprecedented level of cost governance automation with Harness CCM and CI/CD.