

Data on EKS Ignite: Modernize Your Data Workloads on Amazon EKS and Save

Accelerate the modernization of your data platform on Amazon EKS with blueprints and best practices from AWS and enhanced cost savings with Pepperdata Capacity Optimizer

Your Data on EKS Ignite Implementation: Four Simple Stages

Stage 1: Assessment (<1 week)

Install Pepperdata to receive a comprehensive view of your environment and your resource consumption. You'll understand the **total resource usage across your environment** in terms of memory hours, core hours, and instance hours, as well the most wasteful queues and users. You will also receive a complete list of all the applications running on your environment, including those on now-deleted ephemeral clusters, as well as the performance metrics for each application, such as memory and CPU consumption over time **down to the stage and task level**.

Stage 2: Workshop (½ day)

The AWS team will deliver a customized **free half-day hands-on workshop on Amazon EKS** on how to get the most from an Amazon EKS deployment and Kubernetes in general.

Stage 3: Migration (1-3 weeks)

AWS or your partner will use the Stage 1 Assessment data to migrate your first set of workloads to Amazon EKS.

Stage 4: Optimization with Pepperdata + Amazon EKS (savings realized immediately)

With your initial workloads migrated to Amazon EKS, install Pepperdata Capacity Optimizer to reduce instance hours and costs by an average of 30 percent automatically.

Are You Getting the Most From Your Amazon EKS Workloads?

Cost and resource discipline is an increasing business imperative. In fact, leading companies are finding that resource optimization is a competitive differentiator, and many are turning to Amazon EKS with Pepperdata to maximize their large-scale data analytics investments and manage expenses.

Amazon EKS automatically manages the availability and scalability of the Kubernetes control plane nodes responsible for scheduling containers, managing application availability, storing cluster data, and other key tasks. Amazon EKS enables you to take advantage of all the performance, scale, reliability, and availability of AWS infrastructure, as well as integrations with AWS networking and security services. For rapidly-growing enterprises, Amazon EKS powers data workloads to support growth.

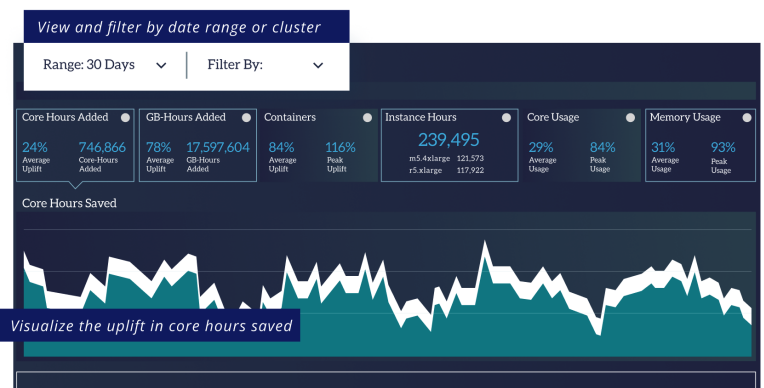
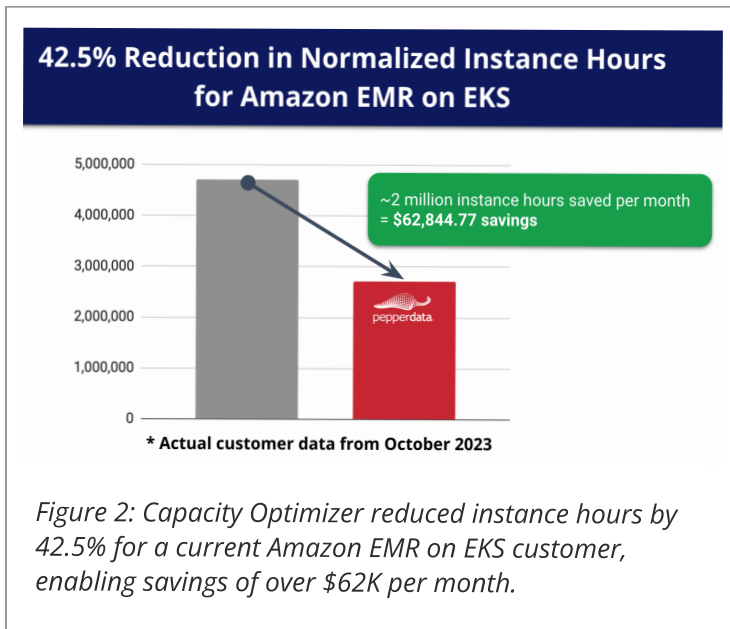


Figure 1: Pepperdata quantifies the dollar cost savings that would otherwise go to waste without Pepperdata Capacity Optimizer installed. For example, this cloud-based customer achieved a 30% uplift in their core and memory usage, translating into cluster cost savings of almost \$50,000.

Working on top of Amazon EKS, **Pepperdata Capacity Optimizer** continuously and autonomously has saved millions of dollars for AWS customers by reducing instance hours and costs and improving utilization in **real time** through its **Continuous Intelligent Tuning**.

Pepperdata works by informing the scheduler of exact resource usage to ensure that every instance is fully utilized before a new instance is added. By responding to *actual* resource usage instead of allocated usage, Pepperdata reduces instance hours and delivers an average of 30 to 47 percent immediate cost savings with no manual application tuning required.

Pepperdata Capacity Optimizer typically installs in most enterprise clusters in under 60 minutes and starts delivering additional cost savings and efficiencies on top of Amazon EKS as soon as it starts running. Pepperdata also guarantees a minimum of **100 percent ROI**, with a **typical ROI between 100 and 660 percent**.



Migrate and Modernize Your Data Platform to Amazon EKS with Confidence

- **Receive a free assessment** of your current platform detailing workload types, resource utilization, most frequently run apps, etc.
- **Receive a free, half-day AWS-led best practices workshop** for running workloads on Amazon EKS
- Work with an AWS partner to start migrating your Spark workload to Amazon EKS
- Benefit from **Real-Time Cost Optimization** from Pepperdata Capacity Optimizer to reduce your Amazon EKS cost by **30% automatically**

The AWS Data on EKS Ignite program empowers high-growth companies to benefit from modernizing their data platforms on Amazon EKS with best practices for Apache Spark data processing and with real-time cost optimization from Pepperdata Capacity Optimizer.

Leading companies such as Autodesk and those in the Fortune 5 depend on Pepperdata Capacity Optimizer to optimize the performance of their large-scale data analytics investments on Amazon EKS.

To learn more or get started with the AWS Data on EKS Ignite program, visit pepperdata.com or contact us at sales@pepperdata.com.



About Pepperdata

Pepperdata is the only cost optimization solution that delivers up to 47% greater cost savings—continuously and in real-time—on Amazon EMR and EKS with no application changes or manual tuning. Our customers include the largest, most complex, and highly-scaled clusters in the world, at top enterprises such as Citibank, Autodesk, Royal Bank of Canada, and those in the Fortune 5. For more information, visit pepperdata.com.

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