

Pepperdata for EMR:

Optimize performance in Amazon EMR to increase job throughput and cut costs

Pepperdata for EMR enables users of Amazon Elastic MapReduce (EMR) to run jobs up to four times faster and simultaneously reduce costs. Users can access insights into cluster performance in addition to fine-grained monitoring data — over 300 metrics, including CPU, memory, unused cluster capacity, and job duration — to view and analyze each run, as well as compare it with historical data to improve future performance.

Challenge:

Amazon EMR clusters tend to be ephemeral; once a run is complete, the cluster terminates, taking all performance data along with it. That means visibility into job performance is essentially non-existent, making it very difficult to pinpoint areas of improvement that can help decrease run times and costs for customers.

Enter Pepperdata for EMR:

Pepperdata’s granular analysis of current and historical runs helps DevOps teams optimize workloads and decrease run times caused by code inefficiencies. Instant visibility into cluster utilization makes it easy for customers to determine the right cluster configuration to complete jobs in the shortest possible time and at the lowest cost.

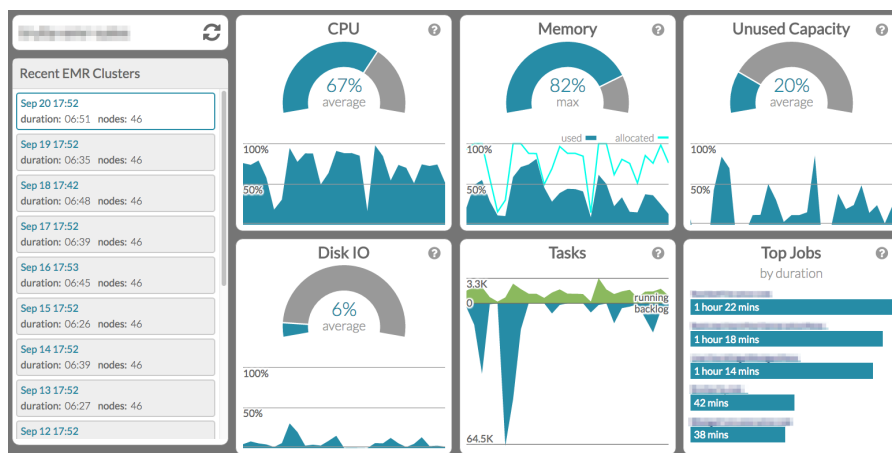
Managing cost is a top priority for customers using Amazon EMR.

Because billing in Amazon EMR is by the hour, even small reductions in run time can dramatically reduce overall cost.

Proven Success:

One of Pepperdata’s customers, a leading online real estate destination, needed to speed up a specific EMR

run that consistently required 17 hours to complete. By analyzing the metrics that Pepperdata collected and stored after termination, the customer was able to identify areas of improvement and decrease the same run to four hours. The data that Pepperdata provided quickly and accurately identified areas of inefficiency, leading to hundreds of thousands of dollars in annual cost savings for a single workload.



FREE through December 31, 2016

One-click installation — to start using Pepperdata for EMR today, visit pepperdata.com/EMR