

# Pepperdata Helps Fortune 100 Financial Services Giant Gain Control Over Their Runaway Data Infrastructure Spend

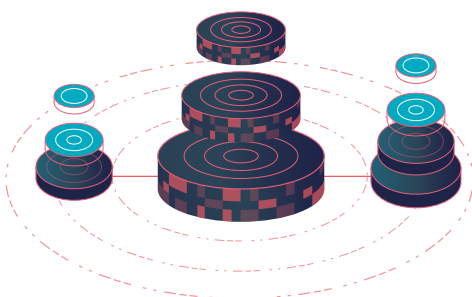
## Challenge

A leading Fortune 100 multinational investment bank was running an on-prem/private cloud Hadoop cluster which provided a data analytics platform to support its global business operations. The company was experiencing exponential growth. With the amount of ingested data doubling from year-to-year, the company faced the prospect of having to add costly compute resources at an unsustainable rate – along with associated maintenance, support, climate control, and real estate costs. The company needed to gain control of runaway IT resource spend while maintaining optimal workload performance levels and meeting business-critical SLAs.



## Solution

Pepperdata Capacity Optimizer helped reduce the customer's infrastructure spend by nearly 30 percent by providing real-time visibility into resource utilization, recapturing wasted resources, and maximizing the capacity of their existing infrastructure.



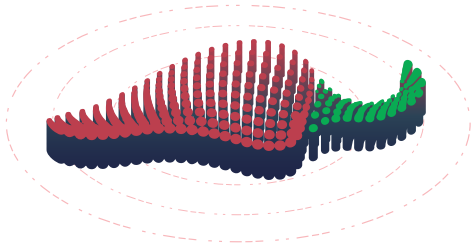
## Who the Company Is

The company in this case study is a leading Fortune 100 multinational investment bank and financial services corporation headquartered in the U.S. The company is a financial linchpin of the global economy, providing banking services and products for companies, governments, and institutions in more than 150 countries.

## What They Needed Help With

With this company's growing business operations, they needed an intelligent solution to address the problem of runaway data center growth and constantly increasing spend on compute infrastructure.

At that time, this financial services company deployed a Cloudera platform running Hadoop and Spark, ingesting large amounts of data. The company managed, processed, and analyzed this data in the cluster using artificial intelligence (AI) and machine learning (ML). This valuable data was and is the foundation for many of the company's decision-making and business development processes.



## Pepperdata Benefits

Provides control over IT spend by more efficiently utilizing existing infrastructure and reducing the need for additional servers by nearly 30 percent annually

Reduces operational complexity for the Infrastructure and Operations (I&O) team by managing all aspects of application and infrastructure performance with a single, unified solution

Enables faster troubleshooting with instant "snap-shots" of cluster and workload performance characteristics

Supports a cluster growth management strategy that enables the company to gain control over hardware spend

Delivers consistent and predictable performance as the analytics platform scales up, enabling the company to meet current and future business goals

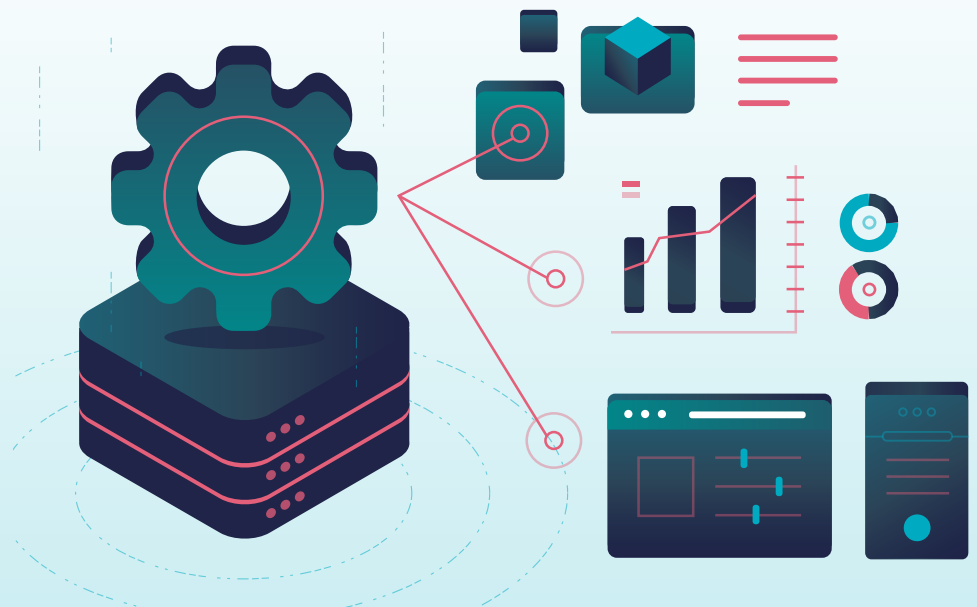
Infrastructure performance management was initially a secondary consideration, but that quickly changed as the expansion of the Hadoop platform skyrocketed. Increased data ingest rates and data compute requirements were resulting in 100 percent year-to-year growth, and a subsequent need to double server capacity every year.

## How Pepperdata Solutions Delivered

Instead of throwing more servers at the problem, the company turned to Capacity Optimizer and Pepperdata Application Spotlight.

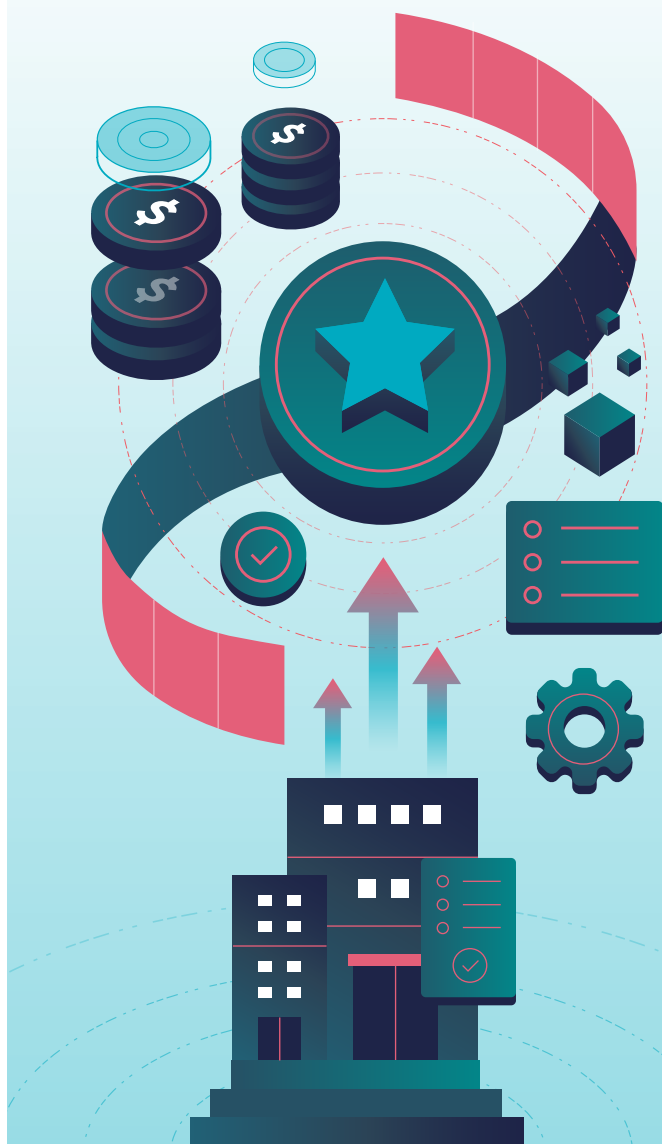
Pepperdata helped in reducing their infrastructure spend by nearly 30% by providing real-time visibility into resource utilization, recapturing wasted resources, maximizing the capacity of their existing infrastructure, and ensuring that workloads performed optimally.

**For this customer, the approximate 30% improvement in server utilization and capacity is equivalent to 100s of nodes. This significantly reduced the number of additional servers needed to support continued growth.**



The company has now been a Pepperdata customer for more than three years, and every day, the financial services company's I&O team turns to Pepperdata to answer key questions and concerns. The company now considers Pepperdata solutions to be an indispensable and integral part of the company's big data platform, as well as its long-term growth and management strategy:

**"As the technology stack matures and the big data environment grows, the need for platform stability with consistent and predictable performance is paramount. With Pepperdata's Application Spotlight and Capacity Optimizer solutions we are confident that we can scale out our big data environment and continue to meet our organization's business goals well into the future."**



**To find out more about how Pepperdata can accelerate your company's growth, request a trial [here](https://www.pepperdata.com).**



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