

Reduce “Time to Result” and Maximize Alpha with Cloud-Integrated Financial Modeling

Accelerate Data-Intensive Simulations with Elastic, Cloud-Based Resources

In hypercompetitive financial markets, time-sensitive quantitative analyses drive critical investment decisions. The ability to perform faster, more comprehensive simulations can mean the difference between a massive return on investment (alpha) and a loss. As a result, maximizing overall profit-per-trade, relies on the ability to effectively access and analyze large amounts of data. These data-centric requirements are now driving banks and hedge funds towards the public cloud as a source of near-infinite, elastically scalable IT resources.



With massive investments at stake, the pressure to yield unique financial insights is intense and relentless. As a result, the models and simulations leveraged by banks and hedge funds are continuously increasing in both complexity and scope. To service the requirements of these demanding workflows, financial organizations are seeking better ways to scale and manage their IT resources. The public cloud is a natural fit for these requirements, however, cloud-integration often presents data-centric challenges, such as:

Supporting existing analysis tools and scripts in the cloud

To perform a variety of critical modeling and simulation tasks, quants often rely on custom tools, scripts, and specialized applications (e.g. time-series databases, such as kdb+). These typically require a POSIX-compliant, enterprise-grade NFS file system. Until recently, however, the public cloud lacked appropriate file storage options.

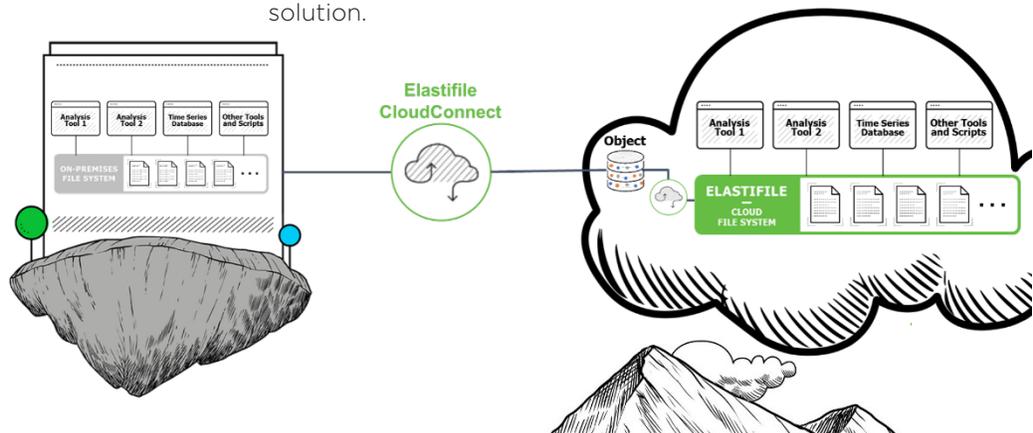
Delivering high-performance access to cloud-based file data

To capitalize on dynamic market conditions, financial institutions must minimize analysis “time to result”. Therefore, they must maximize the benefits of scalable cloud-based compute and avoid storage bottlenecks...particularly when handling numerous small files generated by financial simulations (e.g. when performing backtesting). To support these requirements, cloud-based file storage must deliver consistent, high I/O performance with linear scalability.

Integrating modern technologies and services while retaining enterprise reliability and features

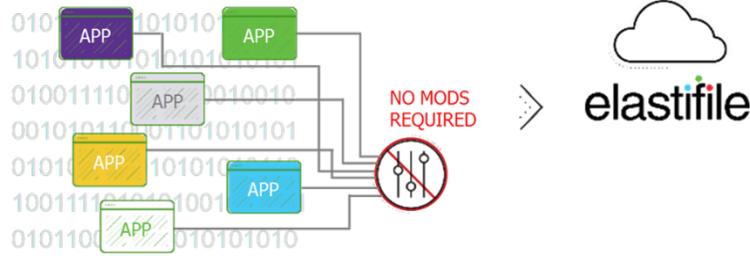
To remain competitive, financial institutions must maintain flexibility to integrate advantageous new technologies and services, such as containers and machine learning. To achieve this and to expose the associated business benefits, cloud-based storage solutions must efficiently support these integrations while still delivering an enterprise-grade, unified solution.

Meeting the Challenge
Elastifile was designed to solve data-centric cloud integration challenges, unleashing the power of cloud-integrated financial analysis.



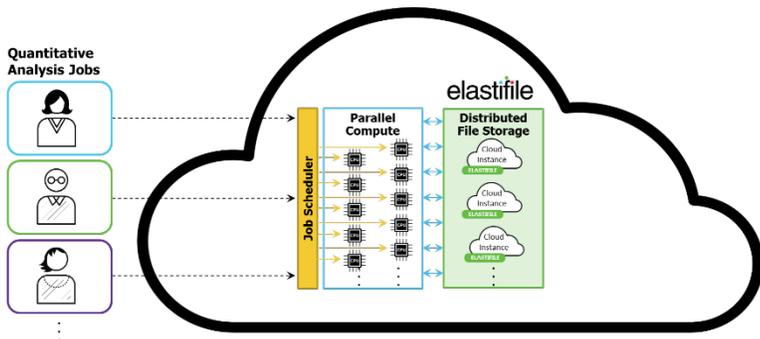
Scalable, High-Performance Infrastructure for Cloud-Integrated Financial Analyses

EXISTING APPS, TOOLS, AND SCRIPTS



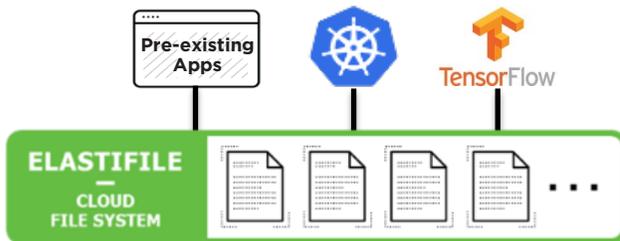
Support existing analysis tools and scripts in the cloud

Elastifile delivers POSIX-compliant, enterprise-grade file services for both cloud-based and on-premises infrastructure. Cloud deployment enables quantitative analysis workflows to efficiently leverage scalable cloud-based compute, memory, and storage...with no modifications existing applications or tools.



Deliver high-performance access to cloud-based file data

Elastifile was designed to meet the performance demands of financial modeling and data-intensive simulations (e.g. backtesting). Elastifile's distributed architecture model supports highly efficient, parallel access, enabling Elastifile clusters to scale I/O performance linearly while maintaining low latency...thus keeping pace with the rapid creation, ingestion, and modification of small files associated with simulation and modeling.



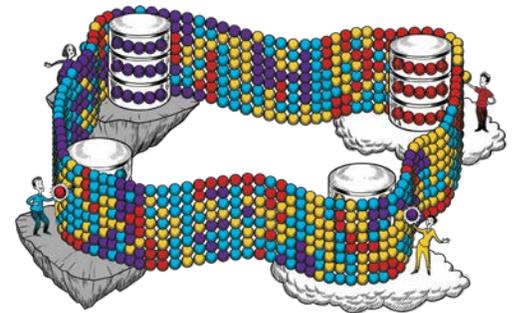
Integrate modern technologies and services while retaining enterprise reliability and features

Elastifile combines an enterprise feature set (e.g. fault tolerance, self-healing, policy-driven data reduction and data tiering) with the ability to seamlessly integrate with modern technologies such as containers and machine learning. This enables financial institutions to flexibly leverage cutting-edge innovations without sacrificing reliability, cost-efficiency, or compatibility with existing workflows.

About ELASTIFILE

[Elastifile](#) helps organizations adapt and accelerate their business in the cloud era. Powered by a dynamically scalable, enterprise-grade distributed file system with intelligent object tiering, Elastifile's cross-cloud data fabric solves the data-centric compatibility, scalability, and mobility challenges inhibiting cloud adoption and expansion. With Elastifile, organizations can seamlessly leverage cloud resources to optimize critical workflows, with no application refactoring required...thereby modernizing their infrastructure and achieving their crucial IT agility and efficiency goals.

Elastifile is based in Santa Clara, California and Herzliya, Israel, with global Sales and Marketing offices in North America and Europe, and R&D in Israel. Founded in 2013, Elastifile is backed by Battery Ventures, Lightspeed Venture Partners, CE Ventures, and seven strategic investors from the cloud, data center, and storage industries, including Dell EMC, Cisco, and Western Digital.



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