

Perform Quantitative Research on Efficient, Scalable Compute Resources

Google Cloud gives quantitative analysts and researchers the scale and speed they need to convert ideas into profitable strategies easily.

Move at the Speed of Ideas

Quantitative researchers and modelers require ready access to powerful compute resources to deliver useful, time-to-value trading insights. These insights require updating existing algorithms and deploying new algorithms based on same-day research. The updates can become a challenge when other enterprise computing priorities take precedence and feature backlogs create further delays.

Fortunately, Google Cloud provides the scalable infrastructure to help you meet your computing requirements – without ramping up on-premise resources. You can automatically scale up or scale down Google Compute Engine resources based on your requirements. And, to help control costs, our per-second billing helps ensure you only pay for the resources you use.

When you use Google Cloud for your high-performance computing (HPC) workloads, you gain the powerful, flexible infrastructure you need to access, sort, process, model, and deliver the right information to the right decision-maker at the right time.

Drive Greater Value with Google Cloud

Get the computing power you need to formulate high-value trading strategies in an evolving regulatory environment. Overcome the cost and constraints associated with on-premise computing – and generate the alpha your investors demand – with Google Cloud.

Related Products



BigQuery



Compute Engine



Data Studio



Cloud Storage



Datalab



Cloud Bigtable



Dataflow



Persistent Disk



Filestore

Learn More

- **Google Cloud for Financial Services**
cloud.google.com/solutions/financial-services
- **HPC**
<http://cloud.google.com/hpc>

5 Reasons to Use Google Cloud

Google Cloud delivers high-speed data processing at big data scale, on a massive computing platform that benefits your HPC workloads in five ways:

- 1 **Scalability:** Spin up quantitative research workloads, scale up when necessary and only pay for the compute seconds you use.
- 2 **Efficiency:** Take advantage of automation, templated configurations and preemptible compute instances, to increase agility while optimizing costs.
- 3 **Speed:** Accelerate your most complex workloads quickly on Google Cloud's purpose-built infrastructure.
- 4 **Performance:** Access high performance infrastructure, including GPUs that may help you accelerate large-scale data analytics and reduce time to market for quantitative research for investment strategies.
- 5 **Security:** Google's in-depth approach to security includes multiple layers of physical and logical protection, 100% of data at rest is encrypted by default, and dedicated, in-house monitoring and response services working 24x7x365.

Architecture: Quantitative Research on Google Cloud

