



GridLink-as-a-Service (GlaaS), an exciting, convenient option for the fast and economical execution of critical Moody's Analytics AXIS™ actuarial system applications.

GlaaS is a fully automated service that lets you submit AXIS actuarial modeling jobs to a cloud-based infrastructure for processing using a pay-per-use model. It can help deliver a cost-effective addition to your existing processing capacity or an alternative to acquiring new or expanding existing on-premises server farm infrastructure.

A new processing choice for AXIS software runs

GlaaS delivers easy, controlled access to server farms of up to several thousand cores each, automatically provisioned by clients on demand. GlaaS conveniently and automatically manages the request and preparation of the required grid capacity in the cloud for the dedicated job, the execution of that job, and the release of cloud resources. You can access GlaaS from any authorized computer in your existing AXIS software environment. It requires no intervention or assistance from your technology team.

GlaaS is hosted and managed by Moody's Analytics in a secure cloud environment with large and elastic computational capacity. GlaaS server farms are deployed in multiple cloud regions to help ensure redundancy and respect data residency requirements. GlaaS can also help address the challenges of an aging or undersized on-premises infrastructure or hosted grid, because it uses the latest cloud networking, storage technology, and virtual server instances.

How is GlaaS different from traditional GridLink?

Traditional GridLink farms are designed around fixed-size grids with one or more queues. Typically, jobs submitted to the same queue run in sequence while jobs from different queues in the same farm can run in parallel, effectively competing for processing resources. GridLink allocates capacity by splitting the fixed number of processor cores in the farm based on job priorities.

GlaaS uses the processing capacity of the cloud to overcome these constraints. The GlaaS engine automatically provisions a separate GridLink farm in the cloud for each submitted job based on the size limits requested. Here are the benefits of this on-demand approach:

- » Newly created dedicated farms are ready in minutes, and your job starts running with the cores you have allocated.
- » You can submit many jobs and run them in parallel; each job has its own farm.
- » There is no competition for network, central processing unit (CPU), or disk bandwidth between jobs.
- » You make each farm the right size for the job with appropriate use charges for that job.

GlaaS delivers more predictable run times for production jobs, which helps you meet reporting deadlines and minimize incremental costs. In addition, you can easily handle unexpected demand for more runs without disrupting other production priorities.

Advantages of GlaaS compared to traditional alternatives

- » GlaaS uses the latest cloud networking, storage technology, and virtual server instances, which address the challenges of relying on aging infrastructure.
- » Access GlaaS from any authorized computer in your on-premises, cloud-based, or hosted AXIS software environment.
- » Integrate with your current AXIS™ EnterpriseLink installation for interactive and automated job submissions and monitoring.

- » GaaS server farms are deployed in multiple cloud regions, ensuring redundancy while also respecting data residency requirements.
- » GaaS is fully managed for you by the Moody's Analytics Cloud Operations Team.

The GaaS service model

GaaS is cost-effective. Pay for what you use, measured as core-hours of computing capacity provisioned for your jobs. There are no upfront fees for the arrangement and configuration of the pay-as-you-go GaaS subscription, and no additional charges during the time it is held until ready for use. For regular and substantial use of GaaS, you can purchase prepaid blocks of core-hours at attractive rates from Moody's Analytics.

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