

Gompute®: High Performance Computing on Demand



Technical and Scientific simulations are ubiquitous components of almost all development and scientific work today.

Those complex computations require a High Performance Computing Environment, a large ecosystem of hardware and software resources that need to be installed, configured and maintained.

Engineers and Scientists also require a comprehensive interface to that environment which in turn is composed of many different applications and libraries including pre processor, solvers, visualization, data management, etc...

The world changes quickly as does the way companies work. They need the ability to have teams spread all around the world, freedom to access the resources required to get their jobs done, freedom to run a personalized HPC platform, freedom to grow as fast as they need.

Gompute, Gridcore's HPC on demand service can address all those needs.

Highlights

- **Hardware on Demand: Pay for what you use**
- **HPC added value: Get the most of your HPC platform with Enterprise Gompute**
- **Personalized support: Dedicated personnel for each customer**
- **Turn Key environment: Enjoy a HPC environment where everything is installed and updated**
- **A HPC platform for you and your applications: Support for ANSYS®, OpenFOAM®, LSTC®, etc ...**
- **Third Party Support: Access to Gompute Partner Network**
- **Personalized HPC environments: From dedicated to completely dynamic on demand clusters**

Gompute, HPC on Demand

Pay for what you use

Gompute is a professionally managed High Performance Computing on demand service for Technical and Scientific users. It provides a fast and reliable environment where users pay for the resources they actually consume.

Enterprise Gompute®

Much more than a HPC platform

Thanks to Enterprise Gompute, HPC users have unlimited potential for innovation and will benefit from the easy to use new Gompute features.

I. Collaborative teams: remote desktop sharing enables users, potentially spread all over the world, to work on the same HPC platform, share data and knowledge in realtime.

II. Personalized accounting system: empowering clients to check and control project resources, simulation runs/results, and account balances.



III. Remote pre- post- processing: providing pre and post processing tools "in the cloud" saves valuable time by eliminating the need to transfer files over the Internet prior to viewing results.

IV. Access to hybrid clusters: Compute allows the users to access hybrid clusters running Linux®, Windows® HPC Server 2008 and AIX® platforms. This feature widens the possibilities in terms of applications that clients can run in the Gcompute environment.

Personalized support: *Various support levels*

Compute provides the user with personalized support in two different dimensions: level of support and people involved. The global support provided allows the user to think about his/her real work and not about the HPC platform, configuration, installation, etc...

Turn Key environment: *Work in a smart environment where everything is pre-installed and current*

Compute provides clients with a ready to use HPC platform, including a comprehensive graphical user interface (GUI) and access to leading edge hardware and software technology. Compute provides clients with the ability to easily access, manage and run on a leading edge HPC platform.

ISV relationship: *Work with ANSYS®, OpenFOAM®, etc...*

Gridcore has close relationships and partnerships with providers of simulation software such as ANSYS, Inc. and Wikki Ltd. Thanks to these partnerships clients may enjoy a ready to use HPC environment where applications run seamlessly.

Supported applications include: ANSYS/Fluent, LS-DYNA®, CD-Adapco/Star-CD®, OpenFOAM, Code Aster®, Paraview®, Simulia/Abaqus®, Altair Engineering/Radios,® FDS®, etc..

Third Party Support: *Access to Gcompute Network*

An added benefit of the Gcompute service is the ability to shop and contract leading service providers enrolled in the Gcompute Partner Network program.

You will find highly skilled resources available to help you solve mundane to highly complex and challenging problems.

Gcompute solutions

From dedicated to complete dynamic HPC resources

Thanks to Gcompute the user can choose which kind of resources he/she would like to work with. Choices include:

Dedicated on demand cluster: where the user contracts for a customized environment, hosted by Gridcore.

On demand cluster: access to HPC resources needed to run simulations of all sizes, from 1 to thousand of processors (CPU-cores).

Inhouse cluster + Gcompute: a ready to use HPC environment for peak simulation runs plus a simple way to quickly and temporally extend the user's HPC resources.

More information at www.gompute.com

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