Nebula Cloud Platform™

Platform for Engineers, Researchers and IT Professionals

GVB Geomatics | NebulaCloud

FIND. TRY. BUY. DEPLOY. USE.

Nebula Cloud Marketplace Platform is a digital catalog with hundreds of software listings from Open Source and Independent Software Vendors (ISVs) that make it easy to find, test, buy, deploy, and use software that runs on AWS, Azure and nCloud Swiss.

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Nebula Cloud Platform™ provides a simple, powerful, and consistent interface for running complex engineering and IT workloads on clouds, and other resources – advancing engineers, IT professionals and researchers to focus on core activities and spend less time running complex applications and moving data around.

Product Highlights

- **New User Experience (UX):** Seamless integration with Windows and LinuxOS

- **Flexibility:** Desktop app and web portal

- **Visualization:** Collaborative 3D remote visualization

- **Manageability:** Easily add, modify, and remove applications

- **Secure:** Protected access to HPC resources

- **Novice to expert:** No IT skills required

Learn more:
gvbgeomatics.com

Benefits

- Fast onboarding for HPC: Desktop UX lets engineers run jobs on Nebula Cloud without learning or touching the Linux® shell

- Save time: Simplify job submission and management thanks to a powerful GUI with smart, simplified interfaces

- Be more productive: Spend more time focused on work and not IT tasks – for example, monitor jobs graphically without having to download huge files.

- Increase ROI: Consolidate access to applications and optimize license availability

- Reduce errors and improve consistency: Embed your company's best-practice know-how directly into application definitions used for workloads submission

- Option to use existing IT and Software resources with BYOL (Bring Your Own Licenses) on Nebula Cloud

- Migration assistance for moving from on-premise IT to cloud based computing.

Why Nebula Cloud?

For engineers, scientists, and researchers, Access portals provide natural access to HPC with no IT expertise needed to run applications, processes, view progress, manage data, and use 3D remote visualization via web and desktop.

- Integration with Nebula Cloud Management Platform™ allows optimized provisioning of applications on graphical and computing resources for maximum utilization

- Simple, easy-to-use, and application-specific interface that requires no learning, simplifying management and allowing engineers to focus on their work rather than IT issues

- Resource monitoring and accounting: Integrated with Nebula Cloud Management Console™

- Collaborate easily from multiple locations by viewing and editing application data without downloading

Broad selection of software across 50+ industry categories (All Engineering, Scientific and IT domains)

High Performance and GPU Computing from a smart, powerful GUI

Rendering, 3D Modeling & Visualization, Simulation via web and desktop

- Visualize big data files remotely without file downloads
- Be more efficient with easy and accessible data collaboration tools
- Optimize resource utilization by consolidating hardware and software centrally
- Allow engineers to take corrective action without downloading huge results files for running jobs
- Reduce IT overhead for engineers, information technology professionals, researchers and academicians – let them focus on their work and not on data movement issues

Capabilities

Submitting and Monitoring Jobs:

- 1-Click Application Launch
- Applications and cloud infrastructure can be easily provisioned across departments and regions.
- HPC and GPU instances on Pay as you go and Subscription basis.
- Reduced TCO and Higher ROI
- Worldwide coverage and Multi region deployments
- Easily run CAD, CAM, CAE, GIS, CFD and all engineering workloads from a single pane of glass.
- Cloud brokerage and multi-cloud management.

GUI, with simple configurable options and pre-populated software solutions.

- Easily define and setup applications for production workloads.
- Minimize the effort needed to write, modify, and test complex application deployments.
- Scale up and downgrade compute resources based on workload requirements on the fly.

3D Modeling, Rendering and Simulations on Nebula Cloud:

- Inbuilt data transfer capabilities and tools for easy data movement and migrations activities.
- Rapid collaboration:

  Instantly collaborate on large volumes of data in the comfort of a familiar, interactive application, anywhere and anytime; cooperate with remote colleagues by sharing session views and controls across WAN links

- Rich experience: Adaptive data compression algorithms based on network bandwidth and latency provide a rich experience, even on challenging networks.
- Run complex algorithms, models and simulation workloads with ease with Nebula Cloud Platform.

- Open architecture: You can use third-party applications without the need for additional software development and investments.
- Single Cloud Management Portal to manage all digital assets across departments and domains on cloud
- Resiliency: Continuity of remote application sessions across network connectivity disruptions
- Flexibility: Access to the same remote session from multiple locations using different client machines: Office access, customer location access, home access, etc.

Managing Remote Files and Data:

- Manage remote files and data directly from the secure web portal
- Get real-time access to the cluster's remote file system
- Easily browse and modify remote files
- Use standard, familiar file operation tools
- Automate staging of input and output files
- Explore huge datasets directly on the server side
- Access computing and storage resources from any mobile, tablet or PC.
- Collaborate and share resources across teams and team members.

Nebula Cloud Platform is world's first vendor agnostic, industry agnostic, software and cloud marketplace platform with over 250+ Engineering, Scientific, and IT Software products across 45+ industry categories. It has a vertical focused approach that provides software and cloud solutions to various Small and Big Enterprises, SMEs, MSMEs, Corporates, Universities, Incubators, Startups, Individuals, etc.