

## EDF'S EXAION AND HYPERNET LABS JOIN FORCES TO SIMPLIFY ACCESS TO HPC CLOUD COMPUTING

EDF subsidiary Exaion plans to democratize supercomputing by offering easy and fast access to its high performance machines through Hypernet Labs' Galileo web application.

Announcing their partnership today, Exaion and Hypernet aim to transform the existing cloud computing landscape, which is both energy intensive and extremely intricate. Exaion Cloud, located entirely in France, is projected to be accessible through Galileo in July 2021.

"Cloud is notoriously difficult to access and use without a formal computer science degree and experience in infrastructure management," says Hypernet Labs CEO and co-founder Ivan Ravlich. Valuable R&D time and resources are often wasted in the process of setting up a computing pipeline and then, further, in training each new recruit on the complex setup.

Hypernet Labs offers valuable productivity gains through its Galileo simulation and analysis platform, which can link users to Exaion's High Performance Computing (HPC) machines in a streamlined way. Galileo is a low-code web application built for users of any skill level. Applicable across fields and industries, it simplifies the deployment and monitoring of simulations, data science, and other analyses through an intuitive graphical interface.

"Galileo will enable us to make the full power of our high-performance computing machines available to a wider audience lacking familiarity with the specifics and subtleties of the Cloud. This partnership with Hypernet Labs constitutes a major step in the development of our offering, which aims to be as complete as possible but also accessible to everyone," says Exaion CEO and co-founder Fatih Balyeli.

Compared to traditional cloud providers, Exaion's services are competitive in terms of quality, uniqueness of offering, price, and eco-consciousness. France-based Exaion Cloud offers powerful HPC resources that are priced competitively, even against more generic virtual machines on offer from other cloud providers. With Galileo as an access point, Exaion can add 'superior user experience' to its list of benefits.

Over the past year, several pharmaceuticals researchers reported that Galileo helped speed up their work by 10-100x. Others were able to obtain results overnight that used to take two weeks to generate.<sup>1</sup>

Modern cloud productivity tools can be combined with state-of-the-art HPC systems in Galileo, which allows them to be used in tandem. In a unified dashboard, users will be able to leverage standard cloud storage solutions while harnessing the power of Exaion's high performance machines for their computing processes.

The companies aim to build a fast and intuitive onramp to high performance computing. Galileo will make it possible for users to move their work from generic cloud virtual machines to Exaion's HPC systems by toggling one box in the web-based interface. The rest of the setup conversion will be handled within Galileo, which will offer a greatly simplified onboarding process and more flexibility for users.

### About Exaion

Exaion was founded in 2020 by Fatih Balyeli, CEO, and Laurent Bernou-Mazars, CTO. This subsidiary of EDF Group is specialized in Cloud provision of Blockchain and high-performance Computing (HPC and AI) solutions. Exaion's offering aids in reducing the environmental impact of the digital sector through its ISO 50001-certified infrastructures and the planning of periods of activity around the optimization of energy consumption, thereby reducing its carbon footprint. All of its assets are based in France and benefit from EDF Group's high level standards and cybersecurity. Find out more at [exaion.edf.fr/en](https://exaion.edf.fr/en)

### About Hypernet Labs

<sup>1</sup> See <https://hypernetlabs.io/covid-drug-repurposing/> and <https://hypernetlabs.io/australian-lab-covid/>

Hypernet Labs was founded by Stanford aerospace PhD researchers Ivan Ravlich and Todd Chapman. Ravlich was named to the Forbes 30 Under 30 list in 2020. The company is based in Redwood City, California, and launched its first product, Galileo, in 2019. Read about Galileo's broad range of users and their work in the [Galileo Magazine](#).

The Hypernet Protocol, currently in development, is designed to be an open source protocol that can meet the demands of a decentralized marketplace. Hypernet Labs is working to implement a decentralized computing marketplace accessible through Galileo and powered by the Protocol.

### **More About the Galileo Web App and Exaion Access Portal**

Galileo acts as a unified computing hub and productivity tool, allowing users and teams to access machines, projects, data, results, and version history in one central location. Consumers of Exaion's high performance cloud will also benefit from a fully platform-integrated visualization tool, showing real-time node usage on shared machines.

Standard HPC technologies (Slurm, MPI, Lustre, Singularity) are supported in Galileo, and the app has the potential to make these tools vastly more accessible, especially across a team. Galileo's "Missions" feature allows team members to repeat project types and share setup parameters to avoid complicated, time consuming configuration processes normally performed from scratch with each and every computing job.

Scheduled future developments for the Galileo app include features for the publishing and sharing of in-house software tools, internally and externally to an organization. These would allow users to share simulators and applications and make them more approachable and user-friendly for non-technical team members. The new features are also designed to allow users to create [staged experimental pipelines for analysis](#), using pre-configured building blocks.

#### **PRESS CONTACT EXAION**

Service de presse | EDF  
service-de-presse@edf.fr

#### **PRESS CONTACT HYPERNET LABS**

Jennifer Hudson | Hypernet Communications  
Tel. : +1 (646) 643 2883  
jennifer@hypernetlabs.io