

CFD FEA Service - Cloud High Performance Computing

Optimization of the High Performance Computing cluster for the execution of the installed software, also exploiting the Preemptible instances to allow to offer competitive prices.

The challenge

The speed and reliability required in the design phases is increasingly pushing designers to rely on the world of Computer Aided Engineering, which allows you to simulate the behavior of the object. To take full advantage of this technology, an intensive use of hardware resources is required to perform the necessary calculations to simulate the operation of the object.

The solution

The platform is made up of two main parts in the front office. Storage: a file exchange environment between the user's PC and the remote High Perf. Computing platform; Simulations: the environment dedicated to simulations in which the user can decide which software to use to carry out their engineering analysis. For each simulation it is also possible to monitor the logs and the main variables.

The results

The application allows you to perform engineering analyzes quickly and cost-effectively thanks to PREEMPTIBLE instances. Thanks to a dedicated remote access, the user also has full control of their simulations. Furthermore, the system is equipped with an API system for integration with third-party software (already in place with Italian and foreign companies).

Cloud High Performance Computing is a real computing cluster. Each user, by connecting to the platform, can perform engineering simulations in the Computer Aided Engineering field (Computational Fluid Dynamics and Finite Element Method).



About CFD FEA SERVICE SRL START UP COSTITUITA A NORMA DELL'ART. 4
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CFD FEA Service is a service company that offers consulting and training in the engineering and IT fields, specialized in providing services in the Computational Fluid Dynamics and Finite Element Analysis / Method sectors, widely used in engineering world.

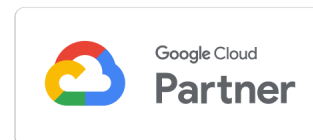
Industry: Business & Professional Services

Primary project location: Italy



About Nohup srl

Nohup is a digital consultancy agency specialized in the design and implementation of solutions based on new digital and communication technologies.



Products

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