

Press release

The Server Labs speeds up CNIO's cancer research programmes

The Server Labs is working with CNIO to enable the Spanish national cancer research organisation to overcome the bottleneck of data processing in its research programmes. In an initial feasibility study, The Server Labs is assessing how to transfer the vast computing requirements of CNIO's research projects to the Cloud, aiming to make the processing more agile whilst bringing down cost and reducing the need for in-house infrastructure.

25th October, 2010: The Server Labs (TSL) is working on a feasibility study to identify a solution how to upscale CNIO's computational capacity whilst minimizing the cost of data processing using the public Cloud.

The Spanish National Cancer Research Centre (CNIO) is facing a problem typical to genomic science research worldwide. Whilst a new generation of DNA sequencers enables DNA to be sequenced faster and much more cheaply, the post-processing has not been able to keep pace with the growth in throughput, turning into a bottleneck for research projects. In an attempt to overcome the problem, CNIO had to invest an increasing amount of its efforts and budget into maintaining and expanding its own computational infrastructure.

The Server Labs have now been tasked to provide a long-term solution that would make the processing more rapid and less costly.

In the initial phase of the project The Server Labs is assessing the feasibility to move CNIO's in-house bioinformatics processing to the Cloud, enabling CNIO to benefit from its on demand computational power. One of the objectives is to estimate the technical resource and personnel required to permanently process data in the Cloud, and a calculation and comparison of operating costs in the Cloud vs. CNIO's current in-house solution.

To begin with CNIO has identified two of its current projects with a substantial need for speedy data processing - genomics and proteomics - as candidates to be carried out in the cloud. Based on the outcome of the initial feasibility study, CNIO and The Server Labs will define the project requirements and milestones of the project which has the ultimate goal to build a Cloud-based grid solution for on-demand genomic analysis for the next generation sequencing experiments.

"We are excited to work with the Spanish National Cancer Research Centre (CNIO) on this challenging new project. We are convinced that CNIO will gain a lot by taking their data processing to the Cloud environment, making the process faster and more agile

whilst saving substantial cost through the pay-as-you-go computing capacity the Cloud provides.”, said Dolores Saiz, CEO of The Server Labs.

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Notes to the editors:

The Server Labs

The Server Labs (TSL) is a specialist IT Consultancy and Development Company and a leading authority in Cloud Computing services. Founded in 2004, The Server Labs focuses on the design and implementation of IT architectures and advanced software engineering projects, working with the most advanced solutions and technologies and offering its clients cost-effective, scalable and high performance solutions.

TSL’s customer groups are predominantly large and medium-sized corporations, which share a growing need for cost effective and scalable IT solutions. TSL has offices in Spain, Germany and the UK. Most recently TSL started partnering with Amazon and RightScale to facilitate the adoption of Cloud Computing in Europe.

More information about The Server Labs is available on www.theserverlabs.com

For more information, related images or videos please contact us.

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