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Centralized deployment of the French Bioinformatics Grid RENABI

Project(s) or EGEE activity presenting the demo or poster (project or activity names only)

EGEE SA1
GRISBI

Special requirements other than the set up mentioned in the CfA text.

None

Abstract

RENABI is the French network of 13 bioinformatics platforms located all over the country. Among these platforms, 6 have begun to mutualize their production resources with a grid middleware in the context of the GRISBI initiative (www.grisbio.fr). The people operating these platforms are biologists and bioinformaticians, mostly overloaded by their bioinformatics tasks. Moreover, they don't have much experience in grid middleware installation and administration. Thus we propose a simple procedure to integrate their resources in a grid, which is designed for the sites that have few grid expertise and few manpower. It is based on virtual machines, with a Quattor client installed, pre-defined for gLite nodes (UI, CE, SE). All sites are maintained by one central Quattor server. The use of HTTPS and Grid certificates permits secured communications between the server and the clients. The next step will be to train one member per platform on Quattor administration to set up a core expert team.

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