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GoToGrid - A Web-Oriented Tool in Support to Sites for LCG Installations

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The installation and configuration of LCG middleware, as it is currently being done, is complex and delicate.

An “accurate” configuration of all the services of LCG middleware requires a deep knowledge of the inside dynamics and hundreds of parameters to be dealt with. On the other hand, the number of parameters and flags that are strictly needed in order to run a working “default” configuration of the middleware is relatively small, due to the fact that the values to be set mainly deal with environment configuration and with a limited set of possible operation scenarios.

This “default” configuration appears to be the most suitable for sites joining LCG for the first time.

The GoToGrid system is aimed to support Site Administrators to easily perform such a configuration.

G2G combines the gathering of configuration information, provided by sites, with the dynamic adaptive creation of customized documentation and installation tools.

By using a web interface and being requested only for the relevant configuration information, site Administrators will be able to design the desired configuration of their own LCG site.

Site configuration data is collected and stored in a well defined format liable to be used as the interface to different configuration management tools.

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