

# Managing distributed grid sites with quattor

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Quattor is a system administration toolkit providing a powerful, portable, and modular set of tools for the automated installation, configuration, and management of clusters and farms. It is developed as a community effort and provided as open-source software. Today, quattor is being used to manage at least 10 separate infrastructures spread across Europe. These range from massive single-site installations such as CERN (where more than 7000 machines are managed) to highly-distributed grid infrastructures such as Grid-Ireland (which is made up of 18 physical installations). In this work we want to stress the capability of quattor to manage distributed grid sites. Grids increasingly organize their sites using a distributed model, where resources at multiple physical locations appear to the grid as a single logical site. The Quattor Working Group (QWG) templates are developed by a consortium of grid sites. They provide an integrated “configuration distribution” for coordinating multiple collaborating sites running gLite middleware, providing support for sharing configuration and local customization.

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