



Contribution ID: 152

Type: poster

## InGRID - Installing GRID

*Tuesday 28 September 2004 10:00 (1 minute)*

The “gridification” of a computing farm is usually a complex and time consuming task. Operating system installation, grid specific software, configuration files customization can turn into a large problem for site managers.

This poster introduces InGRID, a solution used to install and maintain grid software on small/medium size computing farms.

Grid elements installation with InGRID consists in three steps.

In the first step nodes are installed using RedHat Kickstart, an installation method that automate most of a Linux distribution installation, including disk partitioning, boot loader configuration, network configuration, base package selection.

Grid specific software is then integrated using apt4rpm, a package management wrapper over the rpm commands. Apt automatically manages packages dependencies, and is able to download, install and upgrade RPMs from a central software repository.

Finally, grid configuration files are customized through LCFGng, a system to setup and maintain Unix machines, that can configure many system files, execute scripts, create users, etc.

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**Session Classification:** Poster Session 1

**Track Classification:** Track 6 - Computer Fabrics