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## Farm Logbook, a tool to keep/trace all operations on a big computing farm

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Every day operations on a big computer center farm like that of a Tier1 can be numerous. Opening or closing a host, changing batch system configuration, replacing a disk, reinstalling a host and so on, is just a short list of what can and will really happen. In these conditions remembering all that has been done could be really difficult.

Typically a big farm is managed by a team so it can happen to forget which operations have been performed by some other colleague; in the worst case, one could be completely unaware about the changes.

There is therefore a real need to keep trace as much as possible of all operations on the cluster in order to have the farm status under full control.

With a tool like "Farm Logbook", developed and deployed at the INFN Tier-1, you can easily track down information about events occurred in the past or ongoing. All information are obtained in an automatic way in order to avoid consistency problems due to someone missing updates. The technologies used to develop this tool, such as CVS, MySQL, PHP, AJAX and RSS, provide smart access to this information in order to grant anytime to farm administrators a realistic snapshot of the cluster. Potentially therefore this tool can improve farm management and troubleshooting.

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