

THE NEW ARCHITECTURE OF CONFLET SYSTEM

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To start parallel or grid jobs, we have developed the Conflet system which provides an easy-to-use, job-specific portal user interface for users. The creator of the user interface will be provided a command language which contains few, but highly abstract commands.

We introduced Conflet system in the previous NetWorkshop. One of the most important advancement of the previous year is the total rewrite of the architecture.

The new architecture makes the followings available:

- Conflet is made independent of the GridSphere, which is developed ever slower. It can be transplanted into other portal frameworks.
- With the more modern language model, Conflet language can be easily extended. A new command can be added by implementing a Java class.
- It supports the different versions of command languages.
- Due to the new language model, changing of pages is notably speeded up.
- The new architecture contains a flexible plug-in system, which makes available, that new parallel and grid systems can be supported by only implementing a new Java class.

The presentation introduces the characteristics of the new architecture, points to the possible uses of real life applications of the system. The feasibility of industrial application is demonstrated through a specific engineering problem.