

## Proposal for developments on ICE component

Title	Details	Aim
Code restructuring	More modularity and less inter-dependency of the parts; in particular removal of dep. on CREAM CLIENT API logger	To ease the maintainability and improve the integration of ICE in the WMS system; removal of bad dependencies on CREAM API's facilities and removal of ICE's "satellite" tools dependency on gSOAP library
Restructuring of Proxy Renewal	PR working in multi-threaded way (one thread per User/CE)	Performance improvement
Factorization of Proxy Renewal	PR made more independent from the entire ICE's code (made possible also by "Code restructuring")	Make it a common service for the entire WMS and get rid of dependence on PR daemon
ICE's database restructuring	Improvement of the code handling the ICE's data persistence	To ease the maintainability and extensibility
Statistical collection	Collection of statistics about job's entire life	Build information to feed WM's feedback mechanism to improve it
Submission to GRAM5	Implementation of the protocol GRAM5 into ICE	Get rid of Condor dependency

### Pre-requisites

- For "Code restructuring", a restructuring of CREAM CLIENT API is needed before.

-- AlviseDorigo - 2012-07-10

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