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New developments in the CREAM Computing Element

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The EU-funded project EMI, now at its second year, aims at providing a unified, standardized, easy to install software for distributed computing infrastructures.

CREAM is one of the middleware product part of the EMI middleware distribution:

it implements a Grid job management service which allows the submission, management and monitoring of computational jobs to local resource management systems.

In this paper we discuss about some new features being implemented in the CREAM Computing Element.

The implementation of the EMI Execution Service (EMI-ES) specification (an agreement in the EMI consortium on interfaces and protocols to be

used in order to enable computational job submission and management

required across technologies) is one of the new functionality being implemented.

New developments are also focusing in the High Availability (HA) area, to

improve performance, scalability, availability and fault tolerance.

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