

DORM

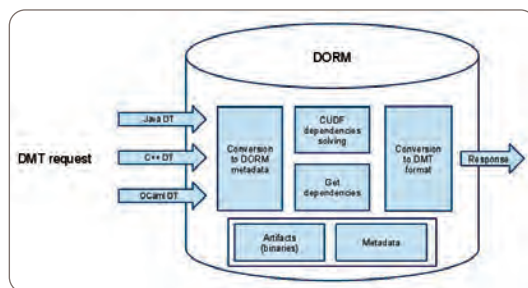
Derived Objects Repository Manager



Design and implementation of a management system for derived objects, derived from the software building process (binaries, libraries, documentation, etc). The DORM system manages the objects' inter-dependencies while being technology and language-agnostic (Ada/C/C++/Java/OCaml/Flex, etc).

TECHNOLOGICAL OR SCIENTIFIC INNOVATIONS

- ▶ The DORM system needs to scale to hundreds of terabytes of data and to tens of thousands of developers concurrently accessing the system, as it is classic in our clients environments.
- ▶ It is needed that the dependency graphs need to scale well in a technology-agnostic way, and the solving needs to be fast while retaining complete accuracy.
- ▶ Last but not least, the visualizations need to be both scalable and accessible, as the primary users will be industrial integration managers that need to be able to absorb large amounts of data in a simple and summarized way.



STATUS - MAIN PROJECT OUTCOMES

- ▶ The resulting repository will be fully open-source and used by major industrial clients, and its use covered by support contracts.
- ▶ The DORM repository manager fills a huge gap by industrializing the last software delivery step and also by enabling a real control on the client's full software portfolio, the different mix of licences used or the stableness of the different libraries used as a whole.

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PROJECT DATA

Coordinator:
ZENIKA
Call:
FEDER4
Start date:
November 2010
Duration:
24 months
Global budget (M€):
0.9
Funding (M€):
0.5