

Contracts Final Presentation 19-20 Feb. 2004

1. Title of the presentation

LibreSource, A New Framework for Community Based Developments

2. Speaker

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3. Abstract

LibreSource is an open source collaborative development and community management software platform that aims at hosting virtual teams and distributed communities for a large range of activities, including co-authoring, co-development and co-engineering activities, for a large spectrum of software and non-software applications.

Structured on a modular and highly adaptable design, it wants to become an important structuring elements of the software engineering community, for both industrial, scientific and academic actors. It already offers a great improvement with respect to the previous generation of collaborative platforms like as Source forge or concurrent versioning tools such as CVS or Subversion.

Data sharing is based on an innovative and advanced approach, where only the modifications performed on the shared document by each user are centralised on the server and used to re-constitute a common, synchronised and homogenous image of the document, taking into account modification done by each users. The network synchronisation channels maybe visualised under the form of a versatile and adaptable dataflow, itself being linked to a powerful work-flow in order to control processes along the development chain. This approach should increase in a significant manner the visibility of complex software projects developed by many teams geographically distributed.

Fully based on a JAVA/ J2EE approach and running servers of application, like as Jonas, LibreSource includes already a large number of generic modules, such as bug-tracker, awareness tools like as forums and wikis, that maybe customised by new modules specific to each domain of application or specific user requirements.

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