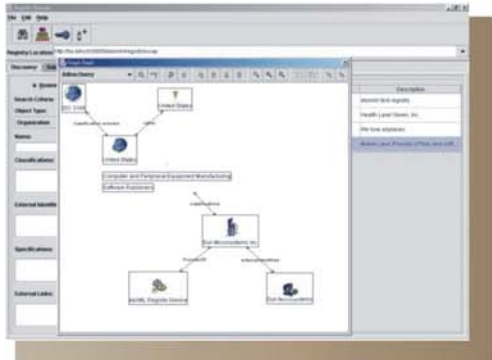


# ebxmlrr

## Share and integrate

ebxmlrr is a powerful and flexible registry and repository implementation based upon an extensible information model recommended by the international ebXML standard. It enables easy business process integration between interested parties by sharing business collaboration information.

Content of the registry can be graphically visualized



\* ebxmlrr has implemented the OASIS ebXML Registry Services specification V2.5 and Registry Information Model specification V2.5. For downloading the specifications, please go to [www.ebxml.org](http://www.ebxml.org)

ebxmlrr consists of two components: registry and repository. Any type of data can be stored in ebxmlrr's repository including Web Services descriptions, XML data and documents, binary data (such as images, sound files, video data, executable application files, CAD files, etc), and any other kind of data. The registry in ebxmlrr stores meta information about entries in the repository through the use of the standard extensible information model. Using the registry, these entries can be searched and classified easily using advanced and ad hoc query mechanisms such as XML filter query and SQL query. This OASIS ebXML Registry/Repository standard\* implementation is a powerful and flexible application that can be deployed cost-effectively as a public registry, a private registry used within an organization, or a registry shared by an organization and its partners for business collaboration information without human intervention.

## Feature list

### 1 Persistent storage of all Types of data

Similar to a traditional database, the ebxmlrr can persistently store all types of data necessary for your business operation and integration, such as Web Service descriptions, XML schemas, and business partner information. Unlike a traditional database, it is dedicated for information sharing between multiple partners. ebxmlrr is an ideal candidate for collecting, publishing and distributing business collaboration information whensharing among your organization and your business partners is crucial.

### 2 Standard Information Model

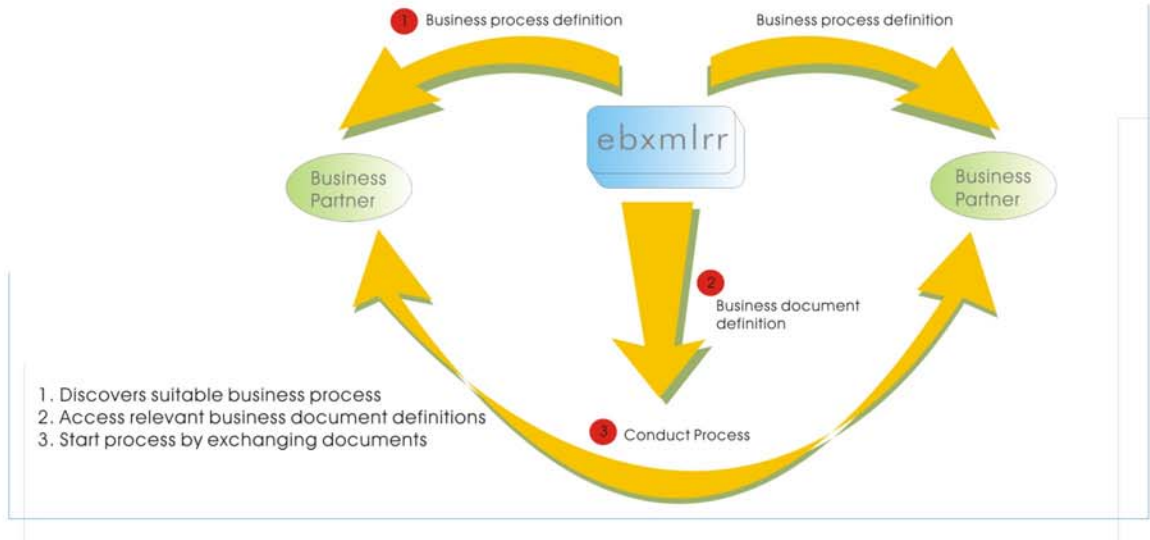
You are not on your own in defining clumsy and trivial relationships between various records in your storage anymore. Available in ebxmlrr, the standard information model defined in ebXML Registry/Repository standard offers a simple and systematic way of classifying and relating entries in the repository. The model is extensible for your organization's needs. In addition, the value behind the standard information model is interoperability. A single ebXML-enabled registry like ebxmlrr can operate with all registry clients, in different implementations, in the same fashion.

### 3 Web Services Enabled

ebxmlrr gives you the ability to search or submit items using Web Services. This speeds integration of the registry with internal systems and allows external users to access to your registry. Moreover, an UI client program is implemented with Web Services to provide you with the ability not only to search and submit to the registry but also to authenticate and register users using digital signature, is available. As an alternative, you can access the registry using Java API for XML Registry ('JAXR') to construct SOAP messages.



## Storing and distributing Business Documents using ebxmlrr



Different businesses always seek for business opportunities over the world and try to automate business processes once they find suitable partners. In this scenario, ebxmlrr functions as an information exchange hub for business collaboration between them.

Business process and business document definitions, such as XML schema files, can be stored in ebxmlrr. After classifying the definition files by the submitters, business partners' applications can search the registry content automatically. More important, business partners can dynamically discover business process definitions (e.g. the process "purchasing") through ebxmlrr anytime at any place. Once business partners agree on the business process definition, they can start the business process by exchanging business documents, which are described by relevant business document definition files, again, in the registry.



### System Requirements:

- Java Development Kit 1.4.0 or above
- Java Servlet container or J2EE compliant server
- A relational database that supports SQL-92 syntax and JDBC



### About freebXML

FreebXML is an initiative that aims to foster the development and adoption of ebXML and related technologies. The mission of freebXML is to provide a centralized Website for ebXML users and developers to access and share "free" ebXML code, applications, and development and deployment experience. Founding members of this initiative include technical leaders from international technology firms, government, organizations, standardization bodies, and academic institutions.

FreebXML is sponsored and hosted by Center for E-Commerce Infrastructure Development (CECID) and the Department of Computer Science & Information Systems of HKU.

#### ebXML Background:

The mission of ebXML<sup>1</sup> is to provide an open XML-based infrastructure enabling the global use of electronic business information in an interoperable, secure and consistent manner by all parties. EbXML, sponsored by UN/CEFACT<sup>2</sup> and OASIS<sup>3</sup>, is a modular suite of specifications that enables enterprises of any size and in any geographical location to conduct business over the Internet. Using ebXML, companies now have a standard method to exchange business messages, conduct trading relationships, communicate data in common terms and define and register business processes. More information about ebXML can be found at [www.ebxml.org](http://www.ebxml.org)

1. Electronic Business using eXtensible Markup Language
2. United Nations Centre for Trade Facilitation and Electronic Business
3. Organization for the Advancement of Structured Information Standards