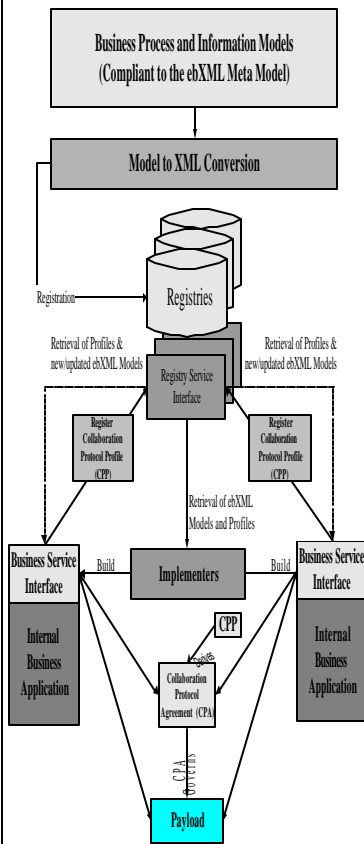


Service Oriented

e-Business software acts as an organizing focal point for loosely coupled Service-Oriented Architecture workflow descriptions. Central to the execution of e-business ebXML Registry allows for the registration, management, and discovery of updated Web services without impacting business partners.



ebXML Registry

ebXML Registry Benefits

- Promotes service discovery and maintenance of registered content
- Enables secure and efficient version control for registered content
- Promotes unified understanding of registered content in federated registries
- Ensures availability and reuse of authoritative artifacts. A controlled registration and validation of XML / non-XML artifacts from authoritative sources promotes interoperability between trading partners, and facilitates greater reuse
- Enables collaborative development. Users can create XML / non-XML artifacts and submit them to an XML registry for use and potential enhancement by authorized parties. The enhanced versions can then be made available for access by other authorized parties

What is an ebXML Registry?

An XML registry is an information system that securely stores XML artifacts (e.g., XML schemas, data elements, etc.) and non-XML artifacts (e.g. other e-business objects), as well as details (metadata) about the artifacts. The storage facility (e.g., a file system or database) that holds registered objects is known as a repository, while the part of the information system that maintains the metadata for the registered objects is known as a registry.

OASIS

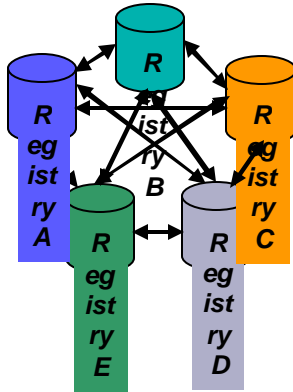
<http://www.oasis-open.org>

Accessible via: HTTP, SWA (SOAP Messages with Attachments) and ebMS it provides descriptions at the abstract level, independent of platform-specific code and separate from the actual transport of messages including metadata for :

- Electronic Business Exchange
- Object (UML) Models
- Software Components
- Schema Elements
- Other Objects

Federated Registries

ebXML Registry allows a federation of cooperating registries to act as a single e-Business Registry.



This ability enables the tying together of internal applications and the systems of critical trading partners via :

Seamless Query -

Search registered content in any registry in a federation, regardless of registry type

Seamless Synchronization -

Synchronization of registered content between all registries in a federation, regardless of registry type

Seamless Relocation -

Relocation of registered content from one registry to another in a federation, regardless of registry type

e-Business Registry

Supporting e-Business operations in different geographic locations ebXML Registry provides an effective discovery and collaboration tool. For example, (i) locating partners, capabilities, services, documents and business processes; (ii) interacting with partners subsidiaries, customers about multiple product lines. More than just a classification tool for electronic yellow pages it enables the distributed marketing and promotion products & services, viewing of inventory levels, ordering of goods and return tracking, and accessing account information via the Web.

Secure Deployment

ebXML Registry enables a secure deployment with reduced implementation / maintenance costs for semantically correct and meaningful information exchange packages. To control how its content is accessed it leverages the XML Signature and XACML standards.

Additionally, the ability to employ Policy Decision Points (PDPs) allows it to act as a "Policy Store" for resources that reside outside its own registry.

Classify And Retrieve

ebXML Registry services enable information sharing with one interface. Using standard protocols it provides a secure approach for publishing business service information. Specifically, the registry services enable the storage, classification and retrieval of e-business structures defining :

- Electronic forms
- Web services
- Enterprise processes
- Business requirements, objects, and data
- Domain specific semantics and relationships between services
- SQL queries and APIs

Event Notification

Content-based event notification enables client applications to be aware of the latest information. ebXML Registry notifications are by email or web service.

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