



## Business Process Management Initiative

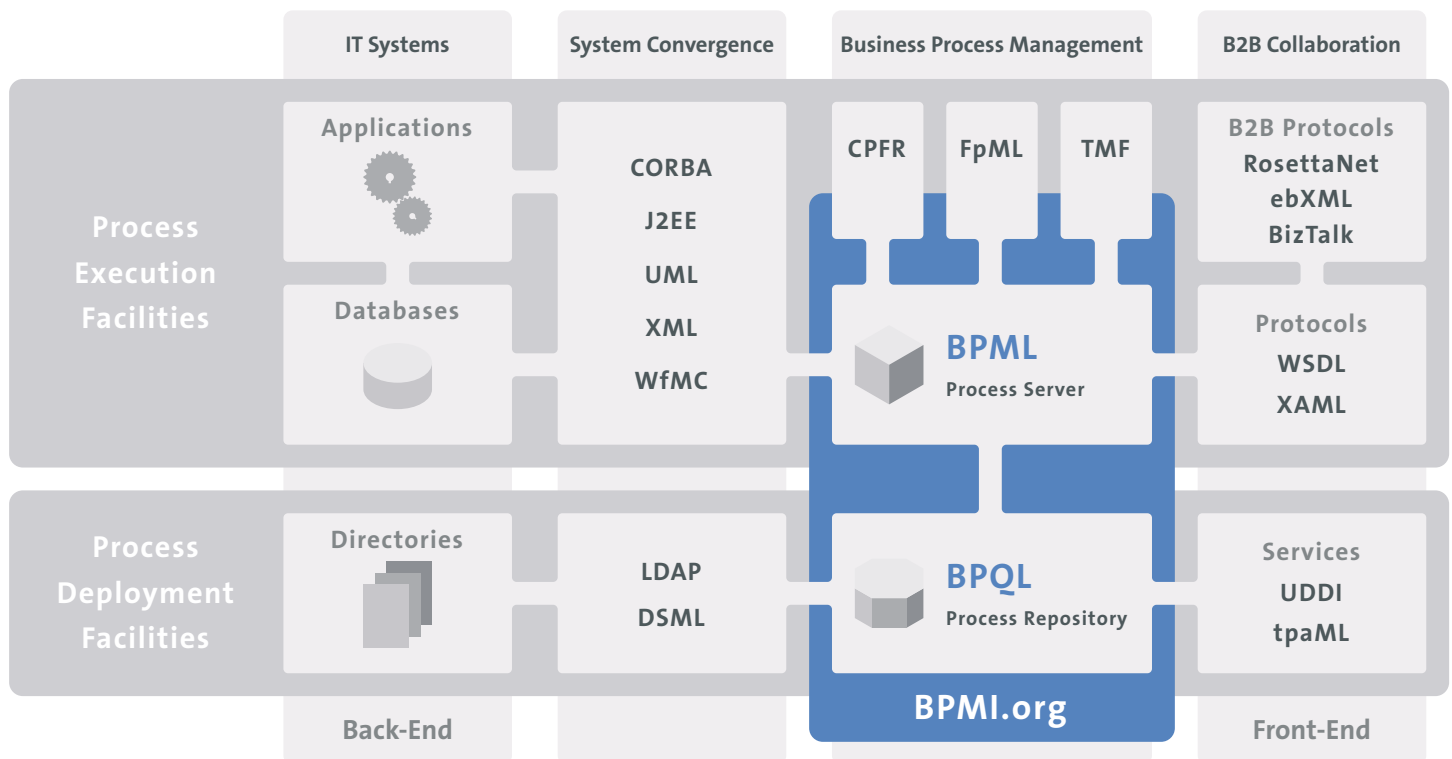
The Business Process Management Initiative (BPMI.org) is an independent organization devoted to the development of open specifications for the management of e-Business processes that span multiple applications, corporate departments, and business partners, behind the firewall and over the Internet.

BPMI.org complements initiatives such as J2EE and SOAP that enable the convergence of legacy infrastructures toward process-oriented enterprise computing, and initiatives such as ebXML, RosettaNet, BizTalk, WSDL, UDDI, tpaML, and E-Speak that support process-oriented business-to-business collaboration.

BPMI.org defines open specifications such as the Business Process Modeling Language (BPML) and the Business Process Query Language (BPQL) that will enable the standards-based management of e-Business processes with forthcoming Business Process Management Systems (BPMS), in much the same way SQL enabled the standards-based management of business data with off-the-shelf Database Management Systems (DBMS).

BPMI.org has been initiated by Intalio, Inc. and created in August 2000 by a group of sixteen enterprise software vendors and consulting firms. Membership is open to all companies, non-profit organizations, and individuals.

Figure 1: Scope of BPMI.org





## <BPML>

The Business Process Modeling Language (BPML) is a meta-language for the modeling of business processes, just as XML is a meta-language for the modeling of business data. BPML provides an abstracted execution model for collaborative & transactional business processes based on the concept of a transactional finite-state machine.

BPML considers e-Business processes as made of a common public interface and as many private implementations as process participants. This enables the public interface of BPML processes to be described as ebXML business processes or RosettaNet Partner Interface Processes, independently of their private implementations.

In much the same way XML documents are usually described in a specific XML Schema layered on top of the eXtensible Markup Language, BPML processes can be described in a specific business process modeling language layered on top of the extensible BPML XML Schema. BPML represents business processes as the interleaving of control flow, data flow, and event flow, while adding orthogonal design capabilities for business rules, security roles, and transaction contexts.

Defined as a medium for the convergence of existing applications toward process-oriented enterprise computing, BPML offers explicit support for synchronous and asynchronous distributed transactions, and therefore can be used as an execution model for embedding existing applications within e-Business processes as process components.

The Business Process Query Language (BPQL) is a management interface to a business process management infrastructure that includes a process execution facility (Process Server) and a process deployment facility (Process Repository).

## <BPQL>

The BPQL interface to a Process Server enables business analysts to query the state and control the execution of process instances managed by the Process Server. This interface is based on the Simple Object Access Protocol (SOAP).

The BPQL interface to a Process Repository enables business analysts to manage the deployment of process models managed by the Process Repository. This interface is based on the Distributed Authoring and Versioning Protocol (WebDAV).

Process models managed by the Process Repository through the BPQL interface can be exposed as UDDI services for process registration, advertising, and discovery purposes.

### Related Initiatives:

BizTalk	<a href="http://www.biztalk.org">www.biztalk.org</a>
ebXML	<a href="http://www.ebxml.org">www.ebxml.org</a>
J2EE	<a href="http://www.sun.com/products/j2ee/">www.sun.com/products/j2ee/</a>
RosettaNet	<a href="http://www.rosettanet.org">www.rosettanet.org</a>
SOAP	<a href="http://www.w3.org/TR/SOAP/">www.w3.org/TR/SOAP/</a>
WebDAV	<a href="http://www.webdav.org">www.webdav.org</a>
XML Schema	<a href="http://www.w3.org/XML/Schema/">www.w3.org/XML/Schema/</a>

### Milestones:

- Creation of BPML.org:  
[August 7, 2000](#)
- Release of the BPML Schema Draft 0.1 to members:  
[August 14, 2000](#)
- Release of the BPML Schema 1.0 to the public:  
[March 8, 2001](#)

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More information: <http://www.bpmi.org/>

