OSM Product Development Phasing

P1, Base Business Object Platform

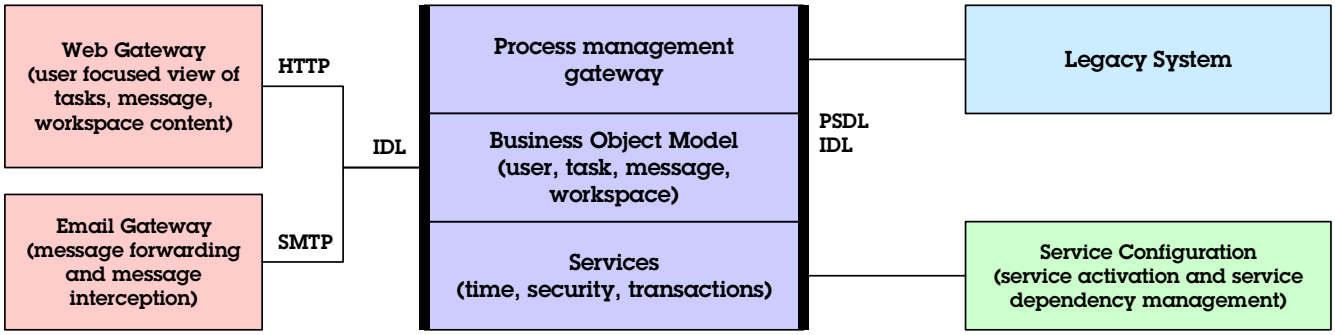
The core infrastructure of the OSM platform is based on a standard business object model defined as part of the OMG Task and Session specification. This model incorporates several OMG services (time, transactions, notification, object identity, life-cycle, properties, etc.). OSM has implemented the complete core framework above the open-source OpenORB platform with particular emphasis on the reuse of PSS (Persistent State Service) as the standard back-end supporting legacy application integration. The current implementation extends the Task and Session specifications with a process model recently adopted as an OMG *available* standard under the OMG Electronic Commerce Domain Specifications - Collaboration Framework. Collectively, this infrastructure enables the creation of business resources, remote auditing of business object events, and interconnection of business objects across enterprise boundaries.

Runtime	Base Business Object platform supporting the creation and management of resources, declaration of resource dependencies (consumption, production, containment, composition, access, and administration).	
	Finder	Factory finder based on the OMG LifeCycle services providing support for initial reference to a resource factory.
	Factory	Factory support for the creation of new resources based on supplied criteria. Support for resource duplication.
	Resource	Support for the declaration and maintenance of interdependencies between different resource types, link navigation, count operations,
	Activation	Service activation framework handling inter-service dependencies, service configuration, service lifecycle management, and service logging.
Tools	Event tracking and persistent event registration.	
Administration	Configuration of time, gateway and audit service through XML configuration files, enabling customization of runtime behavior.	

P2, Process Management Platform

A process management platform supporting the introduction of standard interoperable processes as front-end to legacy applications and services. The platform provides standard services for people, places, things, messages, tasks, a generic process activation framework, and built-in support for active process integration to web, email and XML based message exchange.

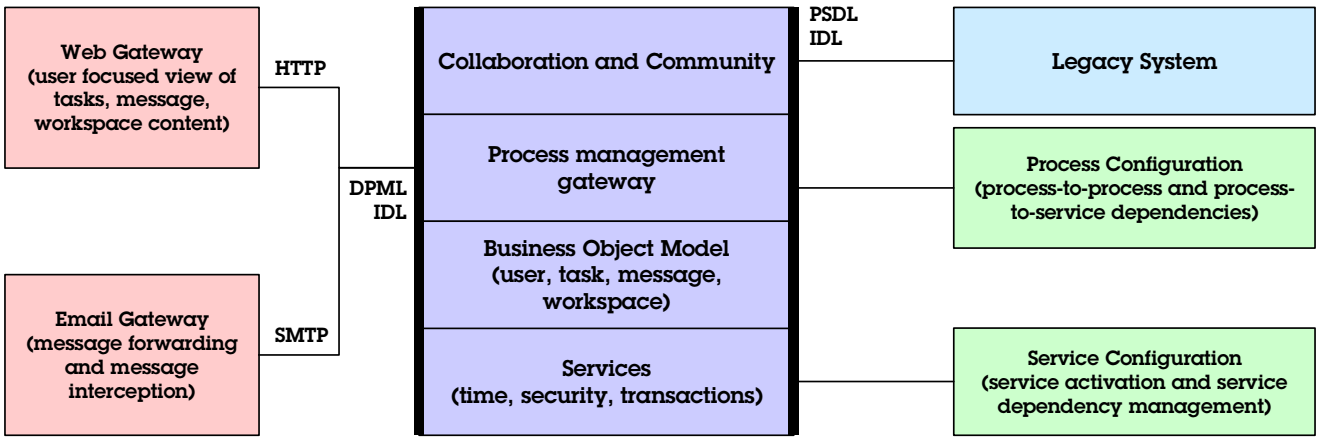
This package is the subject of current development focus. Resource implementation is complete including full cross-domain referential link management, event auditing and lifecycle support. Completion of server component is scheduled for end-April 2001. Inclusion of web, SOAP and email gateways is scheduled for early Q2 2001.



Runtime	Process management API for task, user, message, workspace, desktop and processor components compliant with the OMG Task and Session specifications. Full PSS based transactional persistence.	
	User	Creation and management of User account, desktop association, attribution of properties policy and property values to users. Management of user's rights related to access and administration of Workspaces. Management of associated Task and Message queuing.
	Workspace	Creation and management of private, group and public workspaces with support for type based content filtering, workspace usage, access and administration.
	Task	Creation and management of Tasks owned by a User, associated to a Processor, connected to consumed and produced resources.
	Message	Creation and management of messages queued against users or groups of users with support for message redirection using email.
	Process	Abstract process base with front-end (IDL) and back-end (PSDL) interface definitions and base control implementation, capable for supporting customization to legacy applications and services.
	Activation framework supporting plug-in services, security policy declaration and service dependency management.	
	Web integration supporting user (account) focused view of tasks, workspace and messages.	
Tools	Customization through extension of abstract processor base classes through IDL and PSDL compilation tools.	
Administration	System auditing, reporting of system state and persistent content.	

P3, Collaboration and Community Extensions

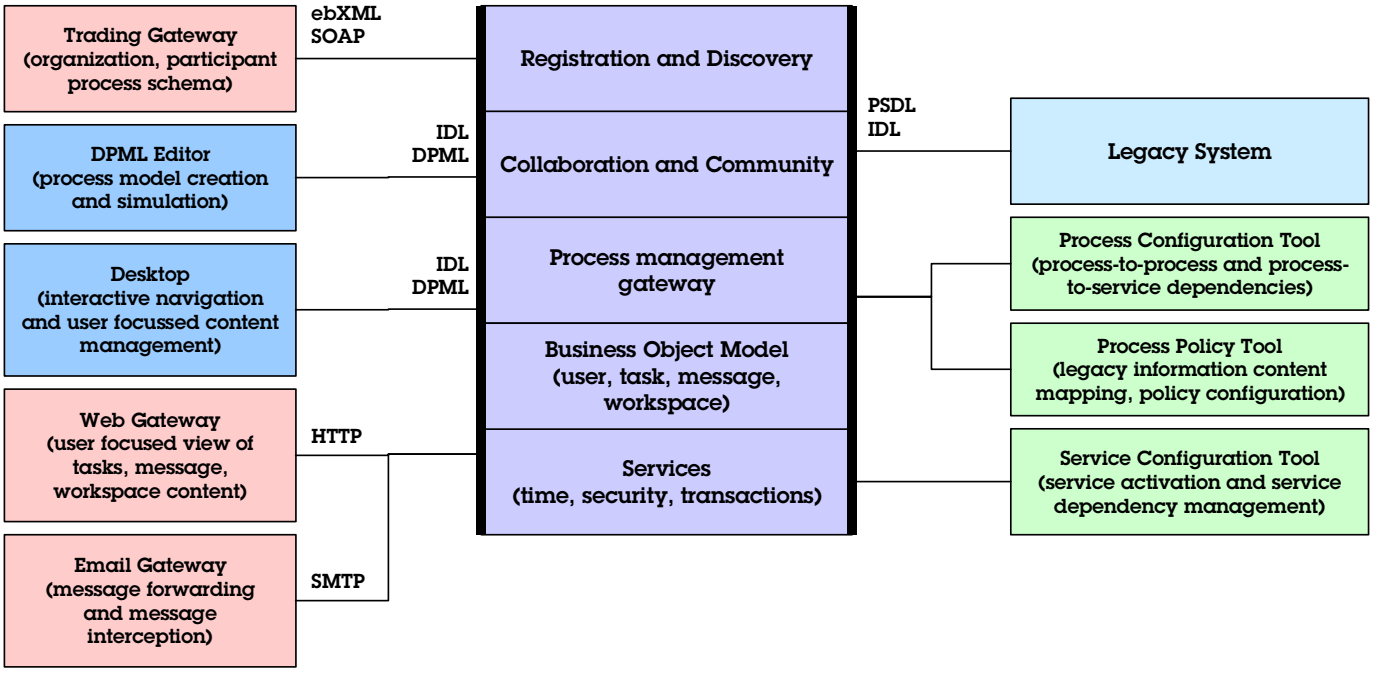
Enhancement of the platform to support full server side Collaboration and Community services including dynamic processor models based on DPML. Addition of a set of policy interceptors and policy configuration tools enabling simplification of the configuration of enterprise specific policy implementations. This phase of work focuses on enhancements dealing with completion of the server platform and server configuration mechanisms resulting in a complete collaboration hub capable of supporting multi-participant cross-enterprise collaborative process execution. Release of the collaboration and community extensions is scheduled for the end of July 2001.



Runtime	Extended process creation and process model publication using DPML (fully implementing the process criteria specifications from the OMG Community and Collaboration Framework). Extended support for implementation policy on process execution.	
	Community	Creation of workspaces based on a role based membership model (public policy) and support for association of organizational context to workspace structures.
	Collaboration	Enhancement of the processor model to support declaration of the public collaboration policy based on the DPML process description.
Tools	Server configuration support application facilitating dependency declarations between processor types and association of processor implementation implementations and processor execution policy.	
Administration	Enhanced processor status reporting focussing on long-term process and business community management.	

P4, Productivity Tools

Extensions to the platform and addition of new interactive tools (native desktop applications) supporting process modeling, process configuration, process execution management and process to legacy system mapping. Enhanced gateway support with full SOAP message handling, publication and maintenance of domain and user information to external repositories, and externalization of DPML into UML process model (isomorphic DPML/EDOC direction). Release of a complete interactive desktop environment including modeling and simulation tools is scheduled for the end of 2001.



Runtime	Interactive desktop tools supporting workspace navigation, process model creation, deployment and execution.	
	DPML Editor	Window native application supporting collaborative process model creation and simulation.
	Desktop Client	End-user desktop application supporting navigation of desktop, workspace, task and message resources.
	Server extensions to support registration and discovery functionality (marketplace/brokerage support).	
Tools	Data integration tool supporting simplification of the process of mapping legacy content into information resources and supporting processes.	
Administration	Interactive navigation from a total system perspective and facilities supporting site configuration, re-configuration and service redirection.	