
Eclipse SOA Roadmap

Proposal V0.5

Change History

Version	Date	Changed
0.1	2009-07-13	N/a
0.2	2009-07-15	-
0.3	2009-07-30	<ul style="list-style-type: none">• Merge of first two milestones• Update of features for the first two milestones• Description of features for the first two milestones
0.4	2009-08-24	<ul style="list-style-type: none">• Remove SOPERA Member Distro for Milestone 1• Add feature „Generic Orchestration Engine Integration Layer”
0.5	2009-09-03	<ul style="list-style-type: none">• Change Obeo Member Distro for both Milestones• Added involvement of Obeo for Repository feature• Remove Progress from the slides

Guiding Principle for the Roadmap

- The Eclipse SOA Platform will be constructed using the EPP packaging approach, with the focus on producing a single, consistent package. If, however, the IWG decides that making more than one package available can be an advantage for consumers, then more packages may be produced.
- Consistency of the Eclipse SOA Platform is of the utmost importance. In this context, consistency means that the runtime and tools elements have been packaged together in a compatible way, have been well integrated in terms of the usage experience and do not depart significantly from previous versions
- The IWG advocates incremental development of the SOA Platform as a guiding principle. Starting with a small initial delivery with a large roadmap, each milestone of the SOA Platform will deliver extra capabilities to the fulfillment of the roadmap.
- The IWG believes that for the sake of consistency and usefulness, the tools and runtime aspects of the Eclipse SOA Platform must support each other. Each milestone delivery of the Eclipse SOA Platform package should strive to have tools and runtime synchronized in terms of their capabilities. There are some situations where this goal may temporarily set aside - for example if a particular feature completion may cause excessive delay of a milestone. In these situations, the IWG must decide unanimously to put the synchronization principle aside for a single milestone only.

Roadmap

	IWG Launch September 2009	EclipseCon March 2010	Eclipse Helios Release June 2010	Eclipse Summit Europe November 2010
ESB	Swordfish core framework	WS Broker based on Swordfish Integration with open source security framework	Full enterprise ESB	Composite service development based on SCA**
Process Modeling and Orchestration, Business Activity Mon.	Integration with BPEL Editor and Apache ODE process engine	BPMN 2.0 modeler and BPMN-to-BPEL transformation Gen. Orchestration Integration Layer		Full business activity monitoring
Registry & Repository	Basic runtime registry	Basic enterprise service repository	Advanced runtime registry/service locator	Full enterprise service repository
Management/ Deployment/ Provisioning		p2 based deployment Plugin for integration into Hyperic HQ*		
Data Integration		Integration with open source ETL tools (e.g. Talend*)		
Integration with commercial solutions		webMethods integration		
Cloud Computing		Pre-configured EC2 images Breathing cloud		Amazon SQS support

* Note, that the integration to the 3rd party product will be delivered only . The 3rd party product itself will not be shipped.

** Note, that support for composite application development is not in scope for this milestone.

	1. Launch	2. EclipseCon 2010
Eclipse SOA Package	Runtime	<ul style="list-style-type: none"> 2.1 Security Framework (Swordfish) 2.2 Basic Repository (new project) 2.3 Broker (Swordfish) 2.4 Process Engine (Swordfish) 2.5 Integration with Hyperic HQ (Swordfish) 2.6 Integration with Talend (Swordfish) 2.7 Generic Orchestration Integration Layer (Swordfish)
	Tools	<ul style="list-style-type: none"> 2.8 BPMN Editor (STP) 2.9 BPMN2BPEL Transformation (tbd) 2.10 Policy Editor for Swordfish (STP) 2.11 BPEL Editor (Eclipse BPEL)
SOPERA Member Distro		TBD
Obeo Member Distro	SCA Tools SCA Runtime	Integration with Service Repository
Other Member Distro		Integration with SAG WebMethods

Feature / Requirements Milestone 1 “Launch”

Roadmap Item	Feature Requirement	Involvement			
		Itemis	Obeo	SAG	SOPERA
1.1 Core Framework (Swordfish)	Extensible ESB used as SOA runtime. Functionality such as policy based mediation may be added by extensions				X
1.2 Basic Registry (Swordfish)	Provides metadata of the deployed services, such as wsdl's and policies and supports dynamic mediation between consumer and provider.				X
1.3 Developer Tools (Swordfish)	Eclipse based tools supporting the creation of providers and consumers (code or wsdl first) and the management of the registry				X
1.4 WSDL+Schema Editors (WTP)	Graphical editors to create wsdl's and schemas describing the service interfaces deployed into the runtime				already available

Feature / Requirements Milestone 2 “EclipseCon 2010”

Roadmap Item	Feature Requirement	Involvement			
		Itemis	Obeo	SAG	SOPERA
2.1 Security Framework	Integration of third-party security framework into the Swordfish runtime to support authentication and authorization				X
2.2 Basic Repository (new project)	Storage for basic SOA metadata, such as schemas, wsdl's, policies and processes, that may be categorized and augmented by further metadata.	X	X		X
2.3 Broker (Swordfish)	Mediation engine based on the swordfish framework providing content based routing and similar integration patterns				X
2.4 Process Engine (Swordfish)	BPEL engine integrated into the swordfish runtime.				X
2.5 Integration with Hyperic HQ (Swordfish)	Integration of the management functionality in the runtime with Hyperic HQ				X
2.6 Integration with Talend (Swordfish)	Enable runtime to execute Talend jobs				X
2.7 Generic Orchestration Engine Integration Layer (Swordfish)	Integration Adapter between orchestration engine and Sowrdfish runtime handling things like security contexts				X

Feature / Requirements Milestone 2 “EclipseCon 2010”

Roadmap Item	Feature Requirement	Involvement
2.8 BPMN Editor (STP)	Graphical editor to create business processes defined in BPMN that after transformation may be executed by the BPEL engine	Itemis Obeo SAG SOPERA
2.9 BPMN2BPEL Transformation (tbd)	Transforms business processes defined in BPMN into BPEL processes	
2.10 Policy Editor for Swordfish (STP)	Graphical editor to create policies that are used by the runtime to do dynamic mediation.	
2.11 BPEL Editor (Eclipse BPEL)	Graphical editor to create BPEL processes that are deployed into the engine of the runtime.	