

**Key Words :**

- J2EE framework
- SOA integration
- Model-View-Controller pattern
- Multi-channel
- Multi-protocol

Project Name

- Spago

Category

- J2EE framework
- SOA integration

License

- LGPL

Professional Support

- Engineering Group

Some References

- Tirrenia Navigazione S.p.A. - Italy
- Emilia- Romagna Region - Italy
- Veneto Region - Italy
- Italian Ministry of University and Research

The Java Enterprise Framework for the development of web and multichannel applications in SOA environments

Spago Framework

Spago, a J2EE framework, is a reusable, semi-complete infrastructure that can be customized to produce vertical applications. Designed with the aim to support mission-critical projects, it is a framework providing multi-channel services towards external infrastructures.

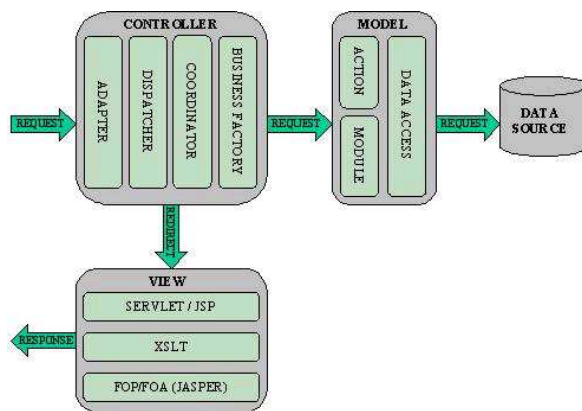
Spago Main Benefits

- A RAD environment (Spago Studio), to create business functionalities without writing Java code or JSP.
- Designed so as to support mission-critical projects, it is a framework providing multichannel services and integration services towards external infrastructures.
- It uses several technologies, including JDBC, Enterprise Java Beans, Java Servlets, Java Server Pages and XML. This allows the developer to create an Enterprise Application that is scalable and portable between platforms.
- Spago delivers an open architecture, based on open standards that facilitate the components selection, assembly and integration.
- Highly configurable.
- Fully customizable: full source means greater flexibility in its customization, according to users' requirements.
- It provides loose coupling and strong cohesion among components, allowing easy interchange and/or extension of the existing components.

Spago Java Enterprise Wide Framework

Spago implements a Model-View-Controller architectural pattern and supports client interaction via different channels/protocols. Front Controllers act with the following collaborative objects:

- Adapter:** it acquires request data from a specific channel, transforming request parameters into a format compliant with the Model module. It also chooses the correct view and makes the binding of conversational context in the specific container.
- Dispatcher:** it identifies one of the supported ways to carry out the business logic and for locating the right coordinator.
- Coordinator:** it coordinates the business logic execution.
- Business Factory:** it retrieves the rights references to business objects, cooperating in the request execution.



Key Features

- Support for MultiChannel/ MultiProtocol services
- Flexible service composition
- Publishing modes
- Publishing on Portlet container (JSR 168)
- AJAX integration
- Business logic distribution
- Workflow integration
- Flexible Security configuration
- Powerful navigation management
- Server side validation
- Integrated performance monitoring system

Highlights

- Channels/protocols implementation independence of application services. Developers can create Web Services (SOAP) without changing the source code, working only on some configuration files. The services can be easily dispatched to different channels (HTML, WAP and Portlet), through different protocols (HTTP, SOAP, EJB, JBI).
- Particularly flexible modules dispatching with a high degree of coding reuse. Different cooperating business objects interact in order to service a request. A graph defines modules cooperation logic and used parameters.
- An application can be published as a Web application or as a Portlet application, compliant with standard JSR 168.
- Spago-AJAX integration aims at enriching Spago on the Front End tier.

Professional Support



www.eng.it
www.spago.org

- Services & Support: Proof of Concept, On-site consultancy, In-house option, Ad hoc packages, Project Developments
- Project Subscription
- Training

OW2

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