

Integration & Open Source Project

Spring 
OSCON 2005

Integration with Other Frameworks

- Web Framework integration provided in Spring
 - ▶ Struts
 - ▶ Tapestry
 - ▶ JSF
 - ▶ WebWork

Integration with Other Frameworks

- Data Access Framework integration provided in Spring
 - ▶ Hibernate
 - ▶ JDO
 - ▶ Toplink
 - ▶ iBATIS
 - ▶ Apache OJB

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Spring Project and Community

- ★ www.springframework.org
- ★ 21 developers
- ★ Framework is developed test-first
- ★ Vibrant community
- ★ Very active mailing lists and forums
- ★ JIRA Issue tracker/Confluence Wiki at Atlassian
- ★ Around 1,200 downloads daily

Spring Books

- **Many books on Spring in 2004/2005**
 - ✦ Professional Spring Development (Johnson/Hoeller/Arendsen/Risberg/Sampaleanu)
 - ✦ Pro Spring from APress (Harrop/Machacek)
 - ✦ J2EE Without EJB (Johnson/Hoeller)
 - ✦ Manning Spring in Action (Walls/Breidenbach)
 - ✦ Spring Developer's Handbook (Bruce Tate)
 - ✦ Better, Faster, Lighter Java (Tate/Gehtland)
 - ✦ Spring Live (Matt Raible)
 - ✦ O'Reilly, APress and Addison-Wesley publishing additional books

Support

- Support Forum www.springframework.org
- Reference Document www.springframework.org/docs/reference.pdf
- Professional support provided by Interface21 headed by Rod Johnson & Juergen Hoeller with consultants worldwide www.springframework.com
- Professional support provided by BEA Systems as part of support for WebLogic Server 9.0 www.bea.com

Related Projects

- **Spring Rich Client Project**
 - ✓ Brings Spring IoC container to Swing applications
- **Acegi Security for Spring**
 - ✓ Powerful security solution for Spring applications
 - ✓ Much more flexible than out of the box J2EE security
- **Spring.NET**
 - ✓ Ports core IoC and AOP concepts to .NET, offering a consistent programming model for Java and .NET projects

Summary

- Spring provides sophisticated dependency injection capabilities
 - reduces dependencies on container APIs
 - reduces coupling to the environment
 - simplifies testing

Summary

- Spring's JDBC layer provides an abstraction layer on top of JDBC that
 - manages all resources - connections, statements and result sets
 - provides callbacks for you to do customized processing and mappings
 - integrates with Spring's transaction layer providing declarative transactions for POJOs