

SIMPLIFIED J2EE APPLICATIONS USING SPRING, HIBERNATE AND STRUTS

THURSDAY 12 OCTOBER 2005 (14-21H)

BUSINESS FACULTY (ST. LENDRIKSBORRE 6, NEDER-OVER-HEEMBEEK NEAR BRUSSELS)

GOALS OF THIS SEMINAR:

Although J2EE is generally accepted as *the enterprise platform for the non-proprietary future*, its growth suffers from its inherent complexity. As a result, J2EE is often perceived as a technology for big enterprises building large applications, but this does not need to be true. We now see that *the Java community is uniting around a small number of solutions that try to solve this complexity issue*, reduce development time, have a much better return-on-investment, and lower the total cost of ownership, in particular the maintenance costs.

Learn how *more and more companies are tackling the limitations of J2EE by using open-source initiatives* and have chosen Spring, Hibernate and Struts as the cornerstones for building and successfully delivering J2EE-based projects.

DETAILED PROGRAMME:

13.30-14h: *Registration, Coffee/Tea*

14.00h: **1. What's Wrong with J2EE Development ?**

- The current J2EE state
 - Why do J2EE projects tend to fail ?
 - Lessons learned from the EJB world
- Sun's Best Practices & other Design Patterns

14.30h: **2A. Lightweight Containers**

- What are "lightweight containers" ?
 - Spring, Pico, Hivemind
- Inversion of Control (IoC)
 - Setter, Constructor & Method injection
 - BeanFactory & ApplicationContext
 - Bean Wiring and Autowiring
- Aspect-Oriented Programming (AOP)
 - Before, After and Around Advice
 - Joinpoints, Pointcuts and Weaving

15.30h: *Coffee/Tea and Refreshments*

16.00h: **2B. Persistency Strategies**

- Choices in the persistence world
 - JDBC, JDO, Hibernate, TopLink, EJB, ...
- Getting started with Hibernate ORM

- Features and tools
 - POJO Mapping
 - Hibernate Query Language (HQL)
 - Inheritance Mapping Scenarios
 - Detached Objects
 - Relationship Mapping: 1-to-1, 1-to-many, ...
- Future directions of Hibernate and EJB3

17.00h: **2C. Presentation Frameworks**

- The Model-View-Controller (MVC) architecture
- MVC frameworks
 - Struts, JSF, Spring MVC, WebWork, ...
- Struts in Action
 - Controller: Action & ActionForward
 - Model: ActionForms & Model Beans
 - View: <bean:> & tags
 - Declarative Exception
 - DynaForms
 - Tiles

18.00h: *Dinner*

19.00h: **2D. Remoting Strategies**

- Accessing remote services: Hessian, Burlap, JAX-RPC, RMI, HTTP-Invoker

19.30h: **Spring Integration Scenarios**

- Spring & Database Integration
 - DataAccessException
 - JdbcTemplate
 - HibernateTemplate & HibernateDaoSupport
- Spring & Struts Framework
 - ActionSupport
 - DelegatingActionProxy
- Spring & Enterprise Services
 - JndiObjectFactoryBean
 - MailSender
 - ScheduledTimerTask
 - JmsTemplate

20.00h: **What is Next: What is the Future of J2EE, EJB, Spring, Hibernate, Struts, ... ?**

20.30h: **Conclusions and Summary**

21.00h: **End of this Seminar**

OUR SPEAKERS:

Stephan Janssen is founder and managing director of JCS Int, and chairman of the Belgian Java User Group (BeJUG). **Erik Janssens** manages the JCS Academy, the Education Services department of JCS, where he lectures and organizes many in-depth Java related training courses.

This seminar is organized in cooperation with the Belgian specialists in J2EE: **JCS International**, an Authorized Java Center that offers training, consultancy and development, and exclusively focuses on Java, J2ME, J2SE and J2EE.



SEMINAR PRICE:

The price of this seminar is **480 EUR (+ 21 % VAT)**, incl. participation in the seminar, dinner, coffee/tea, and a lot of background information.

DISCOUNTS:

For *simultaneous registrations (one invoice)*, the 2nd participant of the same company receives **10 %**, the 3rd **20 %** and all further participants **30 % discount**. A 20 % discount is given to participants from schools and universities.

CANCELLATION POLICY:

Cancellation is possible up to 1 week before the seminar, if received in writing. In this case, 20 % of the total amount is charged for administration. Otherwise, the full registration fee is due, **regardless of the reason of cancellation**. **Replacement** is possible at no extra charge.

WHO SHOULD ATTEND ?

This seminar is targeted towards:

- solution architects,
- software developers,
- project managers and
- technical IT managers

who want to know how they can simplify Java and J2EE development by using open source projects such as Spring, Hibernate and Struts.

REGISTRATION FORM

Fax to: (09) 241.56.56 or backup fax (09) 220.34.57 - Questions ? Call (09) 241.56.13 or e-mail seminars@itworks.be

Mr. / Mrs.

Name: _____ First Name: _____

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Agrees with the seminar conditions, and registers for:

Simplified J2EE Applications
using Spring, Hibernate and Struts (12 October 2005)

Please send the invoice for 480 EUR (+ 21% VAT) to my company address.

Extra info for invoice (like order nr.): _____

Date _____ Signature _____

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