Onsite Training

Extended Development with ICEfaces 3 and JSF 2

DAY 1:

Day 1 begins with an introduction to JavaServer Faces (JSF2). Working with your choice of IDE (MyEclipse or Eclipse) you will create and deploy a JSF2 web application. Each lecture is followed by an exercise, covering a broad range of JSF2 features. The exercises build upon each other, so that by the end of the course, you will have a fully functional enterprise application.

Topics include:

- Simple JSF Form with JSF Components
- Managed-Beans, Expression Language (EL)
- Validators, & Converters
- The JSF Lifecycle
- Internationalization

DAY 2:

Day 2 of the course continues to expand your knowledge of JSF2. Developers will learn about the basics of JSF navigation, basic Data Tables, and event-driven programming with JSF. We continue learning about creating a JSF page with the Facelets component library and how to create a custom Composite Component. The day then finishes with an overview of standard Ajax mechanics in JSF.

Topics include:

- Command components and navigation
- Data Tables
- JSF Events
- Facelets Templates and Composite Components
- JSF AJAX

DAY 3:

Day 3 begins with an introduction to ICEfaces. Developers will convert their JSF applications to ICEfaces and add unique features, such as Ajax Push, Automatic Ajax, and dynamic components from the ACE and ICE component libraries. We'll finish the course by covering the ICE and ACE Data Tables, and implementing sorting, scrolling, data paging, and other features.

Topics include:

- Introduction to ICEfaces and Automatic Ajax
- ICEfaces Window scope
- Ajax Push

DAY 4:

Day 4 continues to dive into ICEfaces with an overview of the dynamic components from the ACE and ICE component libraries. We cover the different categories and varieties of Input, Rich Output, and Layout components in both the ACE and ICE libraries. Developers will use and become familiar with several interesting components such as the Autocomplete, Calendar, Rich Text Editor and Google Maps components, as well as others.

Topics include:

- ICEfaces Component Libraries Overview
- ICEfaces Input Components
- ICEfaces Rich Output Components
- ICEfaces Layout and Menu Components

DAY 5:

Day 5 starts with Data Table Enterprise use cases. Many dynamic aspects of Data Tables, such as implementing sorting, scrolling, data paging, as well as others will be covered. We'll then explore how to achieve high scalability for Data Tables, and simulate working with a table with over a million rows! The developer will learn how to customize the styling of both ACE and ICE components, and also how to create a custom Theme Roller without any required knowledge of CSS! The course finishes off with optional material on Spring integration and functional testing with Selenium.

Topics Include:

- Working with ICEfaces Data Tables
- Scaling Data Tables with Lazy Loading
- Styling ICEfaces Components (including custom themes with Theme Roller)
- ICEfaces Animation and JavaScript Integration
- Spring Integration
- Testing ICEfaces applications with Selenium

ICEsoft Technologies, Inc.
For more information on ICEfaces Training, visit: http://www.icesoft.org/java/training/

About ICEsoft Technologies

ICEsoft Technologies Inc. is a commercial open source company and a leading global provider of rich Internet application solutions for desktop and mobile enterprise. Founded in 2001, ICEsoft products are used by over 10,000 enterprises and 150,000 developers worldwide.

ICEsoft is the proud sponsor of ICEfaces, ICEmobile and ICEpdf:

ICEfaces – is the most advanced JSF framework for enterprise application development. ICEfaces now offers over 125 rich JSF / Ajax components, including the most advance JSF data table in the industry. ICEfaces also supports the widest array of third party and legacy technologies making it one of the most successful and widely deployed Java RIA technologies on the market today.

ICEmobile – is a revolutionary new product for the development and deployment of rich Internet applications for the mobile enterprise. ICEmobile is a hybrid solution that combines the best of native and web-based application development. With ICEmobile, developers can achieve the richness and responsiveness of native mobile applications, while reaping the cost benefits of web-based applications.

ICEpdf – is an open source, Java-based PDF engine for viewing, printing, and manipulating PDF documents. The ICEpdf API is 100% Java-based, lightweight, fast, efficient, and very easy to use. ICEpdf can be used as a standalone PDF viewer, or can be easily embedded in any Java application.

Visit www.ICEsoft.org to learn more.

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