BEA Liquid Data for WebLogic™

Creating the Presentation Layer

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Creating the Presentation Layer

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About This Document

This document describes how to create a presentation layer for query results using the BEA Liquid Data for WebLogic™ JSP tag library.

This following topics are covered:

- Chapter 1, "Creating the Presentation Layer," describes how to create the presentation layer that formats the results of Liquid Data queries.

What You Need to Know

This document is intended mainly for JSP developers responsible for developing the interface layer for data integration applications.

e-docs Web Site

BEA product documentation is available on the BEA corporate Web site. From the BEA Home page, click on Product Documentation or go directly to the "e-docs" Product Documentation page at http://e-docs.bea.com.

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Related Information

For related information, see "Invoking Queries in JSP Clients" in *Invoking Queries Programmatically*.

Contact Us!

Your feedback on the BEA Liquid Data documentation is important to us. Send us e-mail at **docsupport@bea.com** if you have questions or comments. Your comments will be reviewed directly by the BEA professionals who create and update the Liquid Data documentation.

In your e-mail message, please indicate that you are using the documentation for the BEA Liquid Data for WebLogic 1.0 release.

If you have any questions about this version of Liquid Data, or if you have problems installing and running Liquid Data, contact BEA Customer Support through BEA WebSupport at **www.bea.com**. You can also contact Customer Support by using the contact information provided on the Customer Support Card, which is included in the product package.

When contacting Customer Support, be prepared to provide the following information:

- Your name, e-mail address, phone number, and fax number
- Your company name and company address
- Your machine type and authorization codes
- The name and version of the product you are using
- A description of the problem and the content of pertinent error messages

Documentation Conventions

The following documentation conventions are used throughout this document.

Convention	Item
boldface text	Indicates terms defined in the glossary.
Ctrl+Tab	Indicates that you must press two or more keys simultaneously.
italics	Indicates emphasis or book titles.

Convention	Item

`monospace text`	Indicates code samples, commands and their options, data structures and their members, data types, directories, and file names and their extensions. Monospace text also indicates text that you must enter from the keyboard.
	Examples:
	`#include <iostream.h> void main ( ) the pointer psz`
	`chmod u+w *`
	`\tux\data\ap`
	`.doc`
	`tux.doc`
	`BITMAP`
	`float`

`monospace boldface text`	Identifies significant words in code. *Example*: `void` **`commit`** `( )`
`monospace italic text`	Identifies variables in code. *Example*: `String` *`expr`*
UPPERCASE TEXT	Indicates device names, environment variables, and logical operators. *Example*s: LPT1 SIGNON OR
`{ }`	Indicates a set of choices in a syntax line. The braces themselves should never be typed.
`[ ]`	Indicates optional items in a syntax line. The brackets themselves should never be typed. *Example*: `buildobjclient [-v] [-o name ] [-f` *`file-list`*`]... [-l` *`file-list`*`]...`
|	Separates mutually exclusive choices in a syntax line. The symbol itself should never be typed.

Convention	Item

. . .	Indicates one of the following in a command line:
	■ That an argument can be repeated several times in a command line
	■ That the statement omits additional optional arguments
	■ That you can enter additional parameters, values, or other information
	The ellipsis itself should never be typed.
	Example:
	`buildobjclient [-v] [-o name ] [-f file-list]...`
	`[-l file-list]...`

. . .	Indicates the omission of items from a code example or from a syntax line. The vertical ellipsis itself should never be typed.

CHAPTER

1 Creating the Presentation Layer

This topic describes how to create the presentation layer that formats the output of BEA Liquid Data for WebLogic™ query results to users. It contains the following sections:

- About the Presentation Layer
- Tasks for Creating the Presentation Layer

For detailed information about creating the presentation layer using the Liquid Data JSP tag library, see "Invoking Queries in JSP Clients" in *Invoking Queries Programmatically*.

About the Presentation Layer

In Liquid Data, a presentation layer is the software component that handles the layout, formatting, and display of query results to users. Liquid Data provides a JSP (Java Server Pages) tag library that you can use to create the presentation layer in JSP pages. The Liquid Data tag library can be used with both stored queries and ad hoc queries. For more information about the Liquid Data tag library, see "About the Liquid Data Tag Library" in "Invoking Queries in JSP Clients" in *Invoking Queries Programmatically*.

Tasks for Creating the Presentation Layer

To create the presentation layer, complete the following steps in your JSP page:

- "Step 1: Reference the Liquid Data Tag Library"

  In this step, you specify the URI of the Liquid Data tag library in the JSP page.

- "Step 2: Connect to the Liquid Data Server"

  In this step, if the JSP client is deployed on a server other than the Liquid Data Server, you connect to the Liquid Data Server using BEA's t3 protocol.

- "Step 3: Specify Query Parameters"

  In this step, you specify query parameters, if applicable.

- "Step 4: Execute the Query"

  In this step, you execute the query on the Liquid Data Server.

- "Step 5: Process the Results of the Query"

  In this step, you process the results of the query by performing an XSL transformation using an embedded tag, such as the `x:transform` tag described in the JavaServer Pages *Standard Tag Library 1.0 Specification*, which is published by the Sun Microsystems, Inc. at the following URL:

  http://java.sun.com/products/jsp/jstl/index.html

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