

Contents

Foreword	<i>xiii</i>
About the Authors	<i>xv</i>
About the Technical Reviewer	<i>xvi</i>
Acknowledgments	<i>xvii</i>
Introduction	<i>xix</i>
Chapter 1 Introduction to BEA WebLogic Portal	1
High-Level Architecture	2
Portal Concepts	4
Portal Tools	13
Summary	30
Chapter 2 Building a Portal from Scratch	31
WebLogic Portal Architecture	31
Creating a New Portal Application	50
Summary	78
Chapter 3 Basic Java Concepts	79
Servlets	79
Java Server Pages	85
JavaBeans	99
Summary	110

Chapter 4 Portals, Pages, and Portlets	111
What Is a Portal?	111
What Is a Portal Page?	112
Overview of Portal Page Components	114
Creating a Portal Domain	124
Building a Portal	125
Portal Management Tools	129
Building a Basic Portlet	130
Summary	154
Chapter 5 How to Customize the Look and Feel of a Portal	155
Framework JSPs	156
Portal Pages	161
Portlets	167
Skins	174
Layouts	185
Summary	198
Chapter 6 Using Content	199
BEA Content Manager File Directories and Database Tables	200
Loading Data	204
Verifying the Configuration of the Content Manager	206
Displaying Content with Content Taglibs	211
Content Selectors	226
Integrating Third-Party Content Management Systems	239
Summary	241
Chapter 7 Incorporating Webflow in Portlet Navigation	243
Introduction to Webflow	243
Basic Components of Webflow	244
Additional Webflow Components	246
The Webflow Editor	250
Using the Webflow Editor	264
Using Webflow Events Within a Portlet	272
Webflow Walkthrough Example	276
Summary	298

Chapter 8 Processing Input with Webflow .....	.299
Input Processors .....	.299
Validation Support .....	.301
Pipeline Session .....	.307
Pipeline Components .....	.310
Exploring the Webflow Tag Library .....	.312
Exploring the Portlet Tag Library .....	.330
The Pipeline Editor .....	.331
Input Processing Walkthrough Examples .....	.342
Summary .....	.364
Chapter 9 Implementing a Front Controller .....	.365
What Is a Front Controller? .....	.365
Advantages of Using Front Controllers .....	.367
Types of Front Controllers .....	.367
How Webflow Fits In .....	.370
Front Controller Example .....	.371
Putting It All Together .....	.378
The Results .....	.378
Summary .....	.381
Chapter 10 EJBs Within the Portal .....	.383
EJB Overview .....	.383
Stateless Session Bean Example .....	.385
Building the EJB Client Code .....	.402
Summary .....	.404
Chapter 11 Portal Security .....	.405
User Management .....	.406
Group Management .....	.410
Access Control with Group Portals .....	.415
Access Control Using Entitlements .....	.425
Controlling Access to Portlets .....	.428
Summary .....	.428

Chapter 12 Portal Deployment	429
Deployment Process	429
Establishing Deployment Environments	431
Manual Release Deployment	432
Deployment Files	436
Automated Deployment	438
Summary	444
Chapter 13 Personalization Services	445
User Profiles	445
Personalizing Content	464
Summary	479
Chapter 14 Campaign Services	481
Campaign Prerequisites	481
Setting Up E-Mail Messages	483
Setting Up Campaigns	487
Deactivating and Reactivating Campaigns	502
Running the Campaign Created	502
Summary	505
Chapter 15 Miscellaneous Topics	507
Content Management Configuration	507
JSP Configuration	512
Using Connection Pools	514
Configuring E-Mail	520
Summary	523

Chapter 16 Debugging .....	.525
Instrumenting Java Code .....	.525
Debugging Java Code .....	.529
The Logging Mechanism .....	.532
Console Logging Settings .....	.536
Summary .....	.545
Chapter 17 Best Practices .....	.547
Design Best Practices .....	.547
Portlet Best Practices .....	.548
JSP Best Practices .....	.549
Servlet Best Practices .....	.551
EJB Best Practices .....	.554
Java Programming Best Practices .....	.556
Summary .....	.561
Index .....	.563