

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