

Index

A

- access control, 284, 292-304. *See also* security
 - Access Control List (ACL) in, 22, 78-79, **79**, 267
 - example scenario of, 292-304
 - initial access rights settings in, 292
- action events, 237-238, 244-245, **244**, **245**, 262, **262**, **263**
- action rules, 200, 205*t*
 - GetBasicNews action rule in, 205, **205**
 - GetCurrentUser action rule in, 203-204, **204**
- actions, personalization and, 168-169, **169**
- active vs. passive credentials, 319
- ActivMedia Research, on B2B portal growth, xiii
- Admin theme, 139, **139**
- Administration log on/off screens, 122-123, **122**, **123**
- administrative slots, 312
- administrator creation for groups, 296-297, **297**
- administrator user ID and password, 59, **59**
- AdminLeftNavigation theme, **138**
- aggregation search order, 144-145, 144*t*
- aggregation, portal. *See* portal aggregation
- AIX platforms, WebSphere Portal installation, 43, 95-100
 - additional file sets that may be required for, 96-97
 - co-existing WebSphere Application Server and, 98-99, **99**
 - hardware and software prerequisites for, 95
 - operating system prerequisites for, 95-96
 - options for, 97-100, **98-100**
 - port configuration in, disabling 9090 port, 97
- Album skin, **140**
- Amazon, xv
- Applet container, 20, **20**
- Application Client container, 20, **20**
- application model, J2EE and, 19-21, 19-20*t*, **20**
- Application Portlet Builder (APB). *See* IBM Application Portlet Builder (APB)
- application programming interface (API), 6, 7-8, 215. *See also* Portlet API
- application, portlet, 218
- applications for portlets, 7
- architecture of portals, 8-9, 17, 23-25, **24**
- architecture of WebSphere Portal, 17-23
- archive installs, 44-46, 45*t*
- associating rules with content spots, 208-209, **209**
- attributeMap.xml file for WMM for, 276, **276-278**
- authenticating installation, 60-62, **60**, **61**
- authenticating new users, 297-298, **298**

authentication and authorization, 280-283, **282**
 Java Authentication and Authorization Service (JAAS) and, 308-309
 Lightweight Third Part Authentication (LTPA) and, 308
AuthIDTranslator class, personalization and, 197, **198**
authoring portlet, content management and LWWCM, 417, **418**
authoring template creation using content management and LWWCM, 423-424, **424**
authorization. *See* authentication and authorization in, 280-283, **282**
Author-time interface, personalization and, 160

B

backup configuration, 101, **101**
BEA, xii
binding rules, 169, **169**, 200
 GetCustomerNews binding rule in, 205-207, **206-208**
bread crumbs, 299
broadcast messages, 238
browser, Personalization, 164-165
business objects (BO), 385
Business Process application, 9
Business Process Choreographer, process portals and, client setup for, 377-380, **378-380**
business process container (BPC), 39
business process management (BPM), 2
business rules, personalization and, 176
business to business (B2B) portals, xiii
business to consumer (B2C) portals, xv-xvi, **xvi**
business to enduser (B2E) portals, xiv, **xv**

C

caching, 35. *See also* dynamic caching
 JSR 168 Portlet API and, 259
campaigns, 170
cells, 34-35
central processing unit (CPU), 34
Choreographer. *See* Business Process Choreographer

Clear skin, **140**
click-to-action (C2A), 386, 429, 455, 458-468
 declaring exchange capabilities using WSDL for, 464-465, **464**
 dynamically generate links in JSPs for, 467-468, **468**
 enabling JSR-compliant portlets for, 463
 enabling source portlets for, 458-459, **460**
 enabling target portlets for, 460-463, **461, 463**
 Portlet Wiring tool and, 467
 program portlet actions for, 465-466, **465-467**
 Property Broker for, 458
 Web Service Description Language (WSDL) in, 460-463, 464-465, **464**
clipper portlets, 444-452, **445-453**
 deploying clipped portlets and, 452, **453**
 notes on, 453
 tags for taking specific content from URL, 450-452, **451, 452**
 taking entire contents of specified URL for, 449-450, **450**
 visually selecting HTML components for, 445-449, **446-448**
clones, 28, 35-37, **36, 37**
Cloudscape. *See also* databases
 clustered environments and, 47
 configuration of, 101-103, **102**
 IBM Application Portlet Builder (APB) and, 385
clustering, 33, 35
 Cloudscape and, 47
 content management and LWWCM, 427-428
Collaboration Center, 396-398, **397**, 397-398*t*, **399**
collaborative components, 13, 13*t*, 393-401
 applications for, in WebSphere Portal, 395-396*t*
 Collaboration Center in, 396-398, **397**, 397-398*t*, **399**
 collaborative places in, 394
 collaborative portlets in, 394-396
 Collaborative Services in, 402-404, **403, 405**
 designers in, 394
 Directory Search in, 395, 395-396*t*
 Domino Document Manager in, 395, 395-396*t*

- Domino Internet Inter-Orb Protocol (IIOP)
 - settings and, 408
- HTTP and, 405
- iNotes in, 395, 395-396*t*
- LDAP and, 405
- Lotus Domino integration and, 405-409
- Lotus Instant Messaging and Web Conferencing (LIMWC) in, 395, 395-396*t*, 399-401, 400*t*
- Lotus Notes/Domino in, 395, 395-396*t*
- Lotus Team Workplace (LTW) in, 395, 395-396*t*, 401, 401*t*
- managers in, 394
- participants in, 394
- people awareness tags in portlets and, 409
- single sign on (SSO) and, 406-408, **408**
- uses for and features of, 393
- collaborative filtering, 163, 214
- collaborative places, personal vs. shared, 394
- collaborative portlets, 394-396
- Collaborative Services, 402-404, **403**, **405**
- collections, search and, 329-330, **330**, 332, **332**, **333**
- column layout changes, 132-135, **133**, **134**
- communication, portlet-to-portlet
 - communication in, 245-247, **245**, **246**, **247**
- compliance, J2EE and WebSphere Application Server, 22-23, 23*t*
- component creation using content management and LWWCM, 425-426, **425**
- components of WebSphere portal, 9-14, 10-11*t*
- concrete portlet, 217, 218
 - initialization of, 231
- concrete-portlet-app element, 227, 227-228*t*
- configuration objects, 240-241
- configuring portlets, PortletConfig in, 240, 247-248, **247**, **248**
- connection factory, Java, 389-390, **390**
- Connector Architecture, 22, 23
- console method installation, 44, 110, **110**
- consumers, in Web Services for Remote Portlets (WSRP) and, 477, 480, 484
- contact information, xviii
- containers, J2EE and, 19-21, 19-20*t*, **20**
- containers, portlet. *See* portlet container
- content item creation using content management and LWWCM, 424
- content management and LWWCM, xviii, 9, 14, 30, 38, 162, 393, 414-428
 - authoring portlet for, 417, **418**, 419-427
 - authoring template creation using, 423-424, **424**
 - authors vs. developers in, 419
 - clipper portlets and, 444-452
 - clustering and, 427-428
 - component creation using, 425-426, **425**
 - configuration and architecture notes on, 418-419
 - content item creation using, 424
 - local rendering portlet for, 417
 - Lotus Workplace Web Content Management (LWWCM) and, 414
 - personalization and, 160
 - portletlets of, 417-418, 417
 - presentation template creation using, 422-423, **423**
 - previewing web pages using, 426-427, **426**, **427**
 - properties of, web content management-specific, 415-416*t*
 - remote rendering portlet for, 417
 - site creation using, 421, **422**
 - workflow creation using, 420-421, **420**
- content models, 160, 172
- Content Repository, Document Manager and, 409
- content spots, 164, 168, 173
 - associating rules with content spots in, 208-209, **209**
 - creating, 183-191, **184-191**
 - exits for, 211
 - Java Server Page (JSP) and code of, 191-195, **193**, **194**
 - mapping, 176
- ContentAccessServicePortlet, 443-444
- cooperative portlets, 455-457, **456**
- core objects, Portlet API, 232-239
 - action events in, 237-238
 - configuration objects in, 240-241
 - listeners in, 239
 - message events in, 238-239
 - portlet events in, 236-239, 237*t*
 - PortletAdapter class in, 233
 - PortletApplicationSettings in, 241

- core objects, Portlet API, *continued*
 - PortletConfig in, 240, 247-248, **247**, **248**
 - PortletData in, 241, 249-251, **250**, **251**
 - PortletRequest class in, 233-235
 - PortletResponse object in, 235-236
 - PortletSession object in, 236
 - PortletSettings in, 240, 248-249, **248**, **249**
 - window events in, 239
- Corner skin, **140**
- Corporate theme, **138**
- credential vault, 309-310, **310**, 315-319, **316-319**
- credentials, 308, 313-314
- CSV File Viewer portlet, 437-438, **438**
- Custom User Registry (CUR), 278, 304
- custom window states, 255
- customization vs. personalization, 11
- customizing the portal, 115-158
 - Administration log on/off in, 122-123, **122**, **123**
 - aggregation search order in, 144-145, 144*t*
 - column layout changes in, 132-135, **133**, **134**
 - creating a new look for, 145-149, **147**
 - default look of portal vs. 115-131
 - default portlets and, 123-128
 - deploying the new portal in, 150-157, **151-154**
 - directory levels for, 145
 - Edit feature/screen in, 126-127, **127**
 - Forgot Password feature in, 117, **117**
 - Help feature/icon in, 120, **120**, 120
 - icons in, 116, 117*t*, 124-125, 124*t*
 - icons in, for Edit Layout screen, 132, **133**
 - images and graphics in, 157-158
 - Java Server Pages (JSPs) and, 156-157
 - language resolution from Product InfoCenter and, 119
 - layout of pages in, 131-135, **131**, 156-157, **157**
 - Login screen feature for, 121, **121**
 - look-and-feel themes and skins in, 135-158, **136-144**
 - Maximizing the portlet in, 124-125, **125**
 - Minimizing the portlet in, 125, **125**
 - number of portlets on page, no limits to, 153
 - page creation in, 155-156
 - page descriptors in, 144
 - pages in, 115

- personalization vs. *See* personalizing the portal, 115
- portal aggregation in, 157
- reloadingEnabled setting and, 156
- Reminder portlets for, 152, **152**
- Restoring the portlet screen in, 126
- screens in, 157
- self-registration feature in, 118-119, **118**, 128-131, **129**, **129**, **130**
- skin creation in, 145-148, **147**
- skins in, 135-158, 136-**144**, 157
- theme creation in, 148-149, **149**, 155-156
- themes in, 135-158, 136-**144**, 157
- Welcome page in, 116, **116**

D

- database server installation, 47
- databases, 4*t*, 101-103, **102**
 - Cloudscape, 47
 - configuration of, 101-103, **102**
 - CSV File Viewer portlet, 437-438, **438**
 - IBM Application Portlet Builder (APB) and, 385
 - JDBC and, 21, 47
 - personalization and, driver and data source, 178
 - server installation for, 47
 - topologies and, 31-32
 - WebSphere Member Manager for, 273-278, **274-276**
- DB2 Content Manager Runtime, personalization and, 161
- debugging, personalization and, 212
- default installation values for WebSphere Portal, 495-505
- default portlets with WebSphere Portal Server, 123-128, 429-433, 430-432*t*
- definitions, 17
- delegate permission, 291
- demilitarized zone (DMZ), 33
- deploying portlet into WebSphere Portal, 196-197, **196**, **197**
- deploying the new portal, 150-157, 151-154, 230, 230
- Deployment Descriptor (DD), 25, 223-228, **223**, **224**

- JSR 168 Portlet API and, 257-259, **257**, **258**
 deployment managers, 34-35
 designers, in collaborative places, 394
 destroy method, 232
 destroy portlets, 232
 Diamonds skin, **141**
 directory levels, 145
 Directory Search, 395, 395-396*t*
 Directory Server, xviii, 2
 installation, 48
 support, 304-307
 directory structure, Web archive file (WAR),
 228-229, 228-229*t*
 Discovery Server Service, 13*t*
 distinguished name (DN), 320
 doConfigure, 231
 Document Manager (Domino), 3*t*, 9, 13, 30,
 395, 395-396*t*, 409-414, **410**
 JSR 170 Content Repository and, 409
 portlet usage, 412-414, **412-414**
 Document viewer portlets, 442-443, **443**
 doEdit, 231
 doHelp, 231
 Domino Administrator
 configuration of, on Windows, 72-73, **73**
 installation of, on Windows, 71, **71**
 Domino Document Manager. *See* Document
 Manager (Domino)
 Domino Internet Inter-Orb Protocol (IIOP)
 settings, collaborative features and, 408
 Domino Server, 29
 configuration of, on Windows, 66-70, **67-70**
 installation of, on Windows, 64-66, **65**, **66**
 Solaris platforms and, 89, **89**
 Domino Service, 13*t*
 doView, 231
 dynamic caching, 35
 dynamic content spots, 161
- E**
- eBay, xv, **xvi**
 Echo skin, **141**
 Eclipse, 2
 e-commerce, xiii
- eDirectory, 48
 Edit feature/screen, 126-127, **127**
 Edit Layout screen icons, 132, **133**
 Editor portlet, personalization and, 161, 165
 eFixes and installation, 49
 EJB container, 20, **20**
 e-mail promotions, 170-171
 eMarketer, on B2C portal growth, xv-xvi
 Enable edition of WebSphere Portal, 3, 3-5*t*
 encryption, 34
 Engineering theme, **137**
 Enterprise archive files (EAR), 19, 25-27, **26**
 Enterprise Information Portal, 12. *See*
 also WebSphere Information Integrator for
 Content
 Enterprise Information Systems (EIS), 385
 Enterprise JavaBeans (EJB), 5, 18, 19
 eSpending Report, on B2C portal growth, xv
 etailing Web sites, xv. *See also* business to
 consumer (B2C) portals
 events, portlet, 236-239, 237*t*
 execution cycle of portlets, 24, **25**
 exits for content spots in, 211
 Express edition of WebSphere Portal, 3, 3-5*t*
 Extend edition of WebSphere Portal, 3, 3-5*t*
 Extended Search (ES), 337-344, **338**
 deployment and usage of, 345-348, **346**
 ES Portlet installation for, 344-345
 installation and configuration for, 339-342,
 339-341
 notes on, 348
 remote method invocation (RMI) servers and,
 338
 simple, enhanced, advanced versions in,
 344-345
 startup of, 342-343, **342**, **343**, **344**
 Extensible Stylesheet Language Transformation.
 See XSLT Portlet
 External Security Manager (ESM), 280, 303-304
- F**
- Fade skin, **141**
 FileServer portlet, 433-434, **434**
 filtering, collaborative, 163

filtering, personalization and, 162-163, 214
Finance theme, **137**
Forgot Password feature, 117, **117**

G

Gadepalli, Venkata, xviii
gadgets, 7. *See also* portlets
GetBasicNews action rule in, 205, **205**
GetCurrentUser action rule, 203-204, **204**
GetCustomerNews binding rule in, 205-207, **206-208**
group membership, 268
groupid, Web Services for Remote Portlets (WSRP) and, 480
groups. *See* users/groups

H

handles, Web Services for Remote Portlets (WSRP) and, 480
hardware and software prerequisites, AIX platform installation, 95
Help feature/icon, 120, **120**, 120
helper classes, 232
Hint skin, **142**
horizontal cloning, 35-37, **37**
HTML
 FileServer portlet and, 433-434, **434**
 personalization and, 173
HTTP, 33-34
 collaborative features and, 405
 ContentAccessServicePortlet, 444
 server configuration, 62-64, **62**, **63**

I

IBM Application Portlet Builder (APB), 385-391
 business objects (BO) and, 385
 click-to-action (C2A) and, 386
 Cloudscape and, 385
 databases for, 385
 Enterprise Information Systems (EIS) and, 385
 J2EE connector (J2C) technology and, 386, 388, **388**
 Java connection factory and, 389-390, **390**

 JDBC Portlet Builder in, 385-386, **386**
 people awareness and, 386
 Portlet Builder for Domino and, 385
 resource adapter archive (RAR) files and, 387, **387**
 Siebel Portlet Builder and, 386-387
 single sign on (SSO) and, 386
 Web Services for Remote Portlets (WSRP) and, 385
 WebSphere Portal Application Integrator (WPAI) and, 386-390, **387**
 WebSphere Portal Server configuration for, 390-391, **391**
IBM Application Portlet Builder (APB), 385-391
IBM Enterprise Information Portal, 12. *See also* WebSphere Information Integrator for Content
IBM Lotus Extended Search (ILES), 337. *See also* Extended Search (ES)
IBM Rational Application Developer. *See* Rational Application Developer
IBM Tivoli Directory Server. *See* Tivoli Directory Server
icons, 116, 117*t*, 124-125, 124*t*
 for Edit Layout screen, 132, **133**
images and graphics, 157-158
importing resources to workspace,
 personalization and, 198-199, **199**, **200**
Information Integrator OminFind Edition, 349-350, **350**
inheritance of permissions, users/groups, 298-299, **299**
init method to initialize portlet, 231
initConcrete method, 231
iNotes, 395, 395-396*t*
input and output properties, in portlet-to-portal communication, 455
installing portlet, 229-230, **230**
installing WebSphere Portal, 43-114
 AIX platforms and, 43, 95-100, **98-100**
 additional file sets that may be required for, 96-97
 co-existing WebSphere Application Server and, 98-99, **99**
 hardware and software prerequisites for, 95

- language support in, 96-97
- operating system prerequisites for, 95-96
- options for, 97-100, **98-100**
- port configuration in, disabling 9090, 97
- archive type, 44-46, 45*t*
- backup configuration for, 101, **101**
- co-existing WebSphere Application Server
 - and, 55, **55**, 87, 98-99, **99**
- console method for, 44, 110, **110**
- database configuration in, 101-103, **102**
- database server installation in, 47
- default values in, worksheets for, 495-505
- directory for, 56-57, **56, 57**
- directory server installation in, 48
- e-Fixes and, 49
- graphical mode for, 44
- hardware and software prerequisites for, 95
- high level steps to, 46
- HTTP server configuration for, 62-64, **62, 63**
- IP port configuration in, 47
- language selection in, 52, **52**, 96-97
- LDAP configuration in, 103-109, **104-107**, 108-109
- Linux platforms and, 43, 90-95
 - notes on, 94
 - OS prerequisites for, 90-91
 - test environment installation in, 91-94, **92-94**
- options for, 44, 53-54, **54**
- planning for, 44-49, 495-505
- post-installation steps in, 100-101
- pre-installation steps for, 49-51
- response file method for, 110-111
- security settings in, 109
- Snoop Servlet in, 49, **49, 50**
- Software License agreement in, 53, **53**
- Solaris platforms and, 43, 85-90
 - co-existing WebSphere Application Server and, 87
 - Domino Server and, 89, **89**
 - feature selection screen for, 88, **88**
 - log file creation during, 89
 - notes on, 87-90
 - system kernel settings for, 86-87*t*
- starting/stopping WebSphere Portal Server, 113-114
- test environment installation in, 91-94, **92-94**
- Tivoli Directory in, 104-107, **104-107**
- uninstalling, 111-113, **112, 113**
- Web server installation in, 46
- WebSphere Application Server installation
 - in, 48
- WebSphere Portal Enable edition, 49
- Welcome screen, 52, **52**
- Windows platforms and, 43, 51-85
 - Access Control List (ACL) configuration in, 78-79, **79**
 - Administrator authority for, 51
 - administrator user ID and password for, 59, **59**
 - co-existing WebSphere Application Server and, 55, **55**
 - directory for, 56-57, **56, 57**
 - Domino Administrator configuration for, 72-73, **73**
 - Domino Administrator installation for, 71, **71**
 - Domino Server configuration for, 66-70, **67-70**
 - Domino Server installation for, 64-66, **65, 66**
 - Enable Write Access on LDAP in, 80-82, **81, 82**
 - Extend edition, 64
 - Extend Edition and, configuration
 - parameters for, 83-85, 83-84*t*
 - HTTP server configuration for, 62-64, **62, 63**
 - language selection in, 52, **52**
 - LDAP server configuration for, 73-78, **74-78**
 - options for, 53-54, **54**
 - password configuration in, 75, **75**
 - Single Sign On (SSO) and, 85
 - Software License agreement in, 53, **53**
 - users/groups configured in, 73-78, **74-78**
 - verifying and authenticating, 60-62, **60, 61**
 - Welcome screen for, 52, **52**
 - Windows service and, 58, **58**
- instance, user portlet, 218
- “integration at the glass,” 1
- internationalization support, 495-492
 - changing titles and page descriptions for, 487, **488**
 - language encoding in use, 489*t*

internationalization support, *continued*
 language selection by user vs. by portal for,
 488-489
 languages supported under, 485-486
 markup language support in, 489-491, **490, 491**
 new language support in, adding, 491-492
 selecting and changing language for, 486-487
interruptible processes, 40
intranets, xiv
IP port . *See* port configuration
Iyengar, Ashok, xviii

J

J2EE, xii, 2, 9, 17-23
 application model for, 19-21, 19-20*t*, **20**
 architecture of, 18-19, **18**
 compliance in, 22-23, 23*t*
 component and service model in, 21, **21**
 containers in, 19-21, 19-20*t*, **20**
 Enterprise JavaBeans (EJBs) and, 18-19. *See*
 also Enterprise JavaBeans (EJBs)
 Java Server Pages (JSPs) and, 18-19. *See also*
 Java Server Pages (JSPs)
 JDBC and, 21
 packaging applications in, 25-27, **26**
 roles in, 22
 services for, 21
 topologies in, 27-41, 27
J2EE connector (J2C) technology, 386, 388, **388**
Java, xii
Java 2 Platform, Enterprise Edition. *See* J2EE
Java 2 Software Development Kit (SDK), 21
Java API for XML Processing (JAXP), 21
Java Archive files (JAR), 19, 25-27, **26, 25**
Java Authentication and Authorization Service
 (JAAS), 21, 308-309
Java beans, rule trigger, 168
Java code, portlet, compilation for, 221-223, **221-222**
Java connection factory, 389-390, **390**
Java Content Repository (JCR), personalization
 and, 161
Java IDL, 21
Java Messaging Service (JMS), 21, 23
Java Server Pages (JSP), 13, 18, 19, 156-157

 content spot and code added to, 173, 191-195,
 193, 194
 customizing the portal and, 157
 dynamic links in, 467-468, **468**
 JspServer Portlet and, 435-436, **436**
 JSR 168 Portlet API and, 256
 layout of, 156-157
JavaMail, 21
JDBC, 21, 47
 personalization and, driver and data source
 for, 178
JDBC Portlet Builder, 385-386, **386**
JMS/XA interface, 22
JspServer Portlet, 435-436, **436**
JSR 168 API, 215, 251-265. *See also* Portlet API
 action events in, 262, **262, 263**
 deployment descriptors in, 257-259, **257, 258**
 examples of, 259-265
 Adding Functionality to Remember URI of
 a Portlet, 260-261, **260, 261**
 action events in, 262, **262, 263**
 PortletPreferences in, 263-265, **263-265**
 invalidation based caching and, 259
 Java Server Page (JSP) invocation in, 256
 lifecycle of portlet in, 253-254, **253**
 limitations of, 259
 portlet and servlet API and, 252
 Portlet API vs., 253, 254*t*
 portlet URLs and, 255
 portlet window states in, 255
 PortletPreferences in, 252, 263-265, **263-265**
 render parameters in, 256
 representation of portlets in, 252-253
 request handling in, 254-255
 security and, 259
 URI of portlets, remembering, 260-261, **260, 261**
 URLs pointing to resources for, 255-256
JSR 170 Content Repository, Document
 Manager and, 409

L

language selection, 52, **52**, 485-486
 AIX platforms, 96-97
 by user vs. by portal, 488-489

- language encoding in use, 489*t*
 - language resolution from Product InfoCenter and, 119
 - markup language support in, 489-491, **490**, **491**
 - new language support in, adding, 491-492
 - selecting and changing language for, 486-487
 - layout, personalization and, 173
 - layout of pages in portal, 131-135, **131**, 156-157, **157**
 - LDAP, 48
 - Access Control List (ACL) configuration in, 78-79, **79**
 - authentication and authorization in, 280-283, **282**
 - collaborative features and, 405
 - configuration parameters for, 83-85, 83-84*t*, 103-109, **104-107**, 305-306
 - directory server support and, 304-307, 305*t*
 - Enable Write Access in, 80-82, **81**, **82**
 - password configuration in, 75, **75**
 - PortalUsers.ldif file for, 305, **306**
 - process portals and, 375-377, **375-377**
 - security setup in, 281-283
 - self-registration feature in, 118-119, **118**, 128-131, **129**, **130**
 - server configuration for, 73-78, **74-78**, 108-109
 - settings for, 307, 307*t*
 - suffix creation, 305
 - Tivoli Directory in, 104-107, **104-107**
 - WebSphere Member Manager for, 273-278, **274-276**
 - LDAP Data Interchange Format (LDIF) file, 59
 - LDAP directory servers, 29, 30, 31, 33, 40
 - library for shared resources, 198
 - lifecycle of portlet, 217-218, **217**, 231-232, 231, 253-254, **253**
 - Lightweight Third Part Authentication (LTPA), 308, 309
 - Linux platforms, WebSphere Portal installation, 43, 90-95
 - notes on, 94
 - OS prerequisites for, 90-91
 - test environment installation in, 91-94, **92-94**
 - listeners, window events and, 239
 - local rendering portlet, content management and LWWCM, 417
 - log files, Tivoli Site Analyzer and, 360
 - logging framework, personalization and, 166
 - logging. *See* Tivoli Site Analyzer
 - Login screen, 121, **121**
 - Lotus Collaboration Center, 5*t*
 - Lotus Collaboration Components, 5*t*. *See also* Collaborative Components
 - Lotus Collaborative Services, 3*t*
 - Lotus Domino, 13, 304
 - collaborative features and, 405-409
 - Lotus Domino Enterprise Server, 5*t*, 5
 - Lotus Extended Search, 5*t*, 12, 327. *See also* search
 - Lotus Instant Messaging and Web Conferencing, 13, 30, 38
 - Lotus Instant Messaging and Web Conferencing (LIMWC), 13, 30, 38, 395, 395-396*t*, 399-401, 400*t*
 - Lotus Notes/Domino, 395, 395-396*t*
 - Lotus Team Workplace (LTW), 13, 30, 38, 395, 395-396*t*, 401, 401*t*
 - Lotus Workplace Web Content Management (LWWCM). *See* content management and LWWCM 393
- ## M
- managers, in collaborative places, 394
 - mapping rules to contents spots, 176
 - markup language support, 489-491, **490**, **491**
 - matching technology, 160, 172
 - Maximizing the portlet, 124-125, **125**
 - member groups, 268-269
 - message events, 238-239, 238
 - messaging, 2. *See also* WebSphere MQ
 - broadcast, 238
 - message events in, 238-239
 - portlet-to-portlet communication in, 245-247, **245**, **246**, **247**, 453-454
 - single-addressed, 238
 - metadata, 172
 - Microsoft Active Directory, 48, 304
 - Microsoft, xii
 - Minimizing the portlet, 125, **125**
 - model view controller (MVC) design, 7, 8, 23-25, **24**
 - modes, portlet, 218, 219*t*, 234, **235**

Movie Critic collaborative filtering
 personalization sample, 214
moving artifacts to remote system,
 personalization and, 161
MQ Series, 22-23
My Tasks portlet usage, 382, **382**

N

Navigator portlet, personalization and, 161, 164-165
nested groups, 272-273
Netegrity Site Minder, 267, 280, 303, 325-326, 326*t*
NoBorder skin, **142**
NoSkin skin, **142**
Novell eDirectory Server, 48, 304
number of portlets on page, no limits to, 153

O

OASIS, 474
Olson, Bruce, xviii
one-node configuration, 28-30, **29, 30**
operating systems, 38
 AIX installation prerequisites for, 95-96
 Linux installations, 90-91
Oracle, xi
 IBM Application Portlet Builder (APB) and, 385
Outline skin, **143**
out-of-box portlets, 429-453. *See also* default portlets

P

packaging J2EE applications, 25-27, 25-27, **26**
packaging portlet in WAR file in, 229, **229**
page descriptors, 144
pages, 115
 creating, 155-156
 number of portlets on page, no limits to, 153
participants, in collaborative places, 394
passive credentials, 319
password configuration, 59, **59, 75, 75**, 283-304, **283**
 access control in, 284
 Administration log on/off in, 122-123, **122, 123**
 Forgot Password feature in, 117, **117**
 Login screen feature for, 121, **121**
 timeouts and, 283-304, **283**

people awareness, 386
 adding, to portlets, 409
people portals, xiv. *See also* business to enduser
 (B2E) portals
People Services, 13, 13*t*
performance
 personalization and vs., 213
 reloadingEnabled setting and, 156
permission controls, 288, **289-291**
permissions, 284. *See also* users/groups
 delegate permission in, 291
 inheritance in, 298-299, **299**
 permission controls in, 288, **289-291**
 resource permissions portlet in, 286-287, **287**
 user and group permissions portlet in,
 287-292, **288**
Personalization Server, xviii, 3*t*, 9, 11-12, 39
Personalized List portlet, 162, 165
personalizing the portal, 159-214
 action rules in, 200, 203-204, 205
 actions in, 168-169, 1691
 associating rules with content spots in,
 208-209, **209**
 AuthIDTranslator class in, 197, **198**
 authoring environment components for, 164
 Author-time interface and, 160
 binding rules in, 169, **169**, 200, 205-207, **206-208**
 browser for, 164-165
 business rules in, 176
 campaigns in, 170
 collaborative filtering for, 163, 214
 components for, 163, **164**
 content management and, 160, 161, 162
 content models in, 160, 172
 content spots and, 164, 168, 173, 176,
 183-191, **184-191**, 191-195, **193, 194**, 211
 DB2 Content Manager Runtime in, 161
 debugging, 212
 deploying and testing pages in, 177
 dynamic content spots in, 161
 Editor portlet in, 161, 165
 e-mail promotions in, 170-171
 exits for content spots in, 211
 filtering in, simple vs. collaborative, 162-163
 GetBasicNews action rule in, 205, **205**

- GetCurrentUser action rule in, 203-204, **204**
- HTML and, 173
- identifying current user to runtime in, 175-176
- importing resources for, 176
- importing resources to workspace for,
 - 198-199, **199, 200**
- Java Content Repository (JCR) in, 161
- Java Server Pages (JSP) and, 191-195, **193, 194**
- library for shared resources in, 198
- logging framework in, 166
- mapping rules to contents spots in, 176
- matching technology in, 160, 172
- metadata and, 172
- moving artifacts to remote system in, 161
- Navigator portlet for, 161, 164-165
- new features for, 160-162
- overview of, 159-166
- page layout in, 173
- performance vs., 213
- Personalized List portlet and, 162, 165
- Portal Document Manager (PDM) and, 162
- process of, 171-177
 - business rules development in, 176
 - content spots and, 173
 - deploying and testing in, 177
 - identifying business requirements in, 171
 - identifying current user to runtime in, 175-176
 - importing resources and register translator in, 176
 - mapping rules to contents spots in, 176
 - matching strategy development for, 172
 - page layout in, 173
 - publishing personalization artifacts in, 177
 - resource creation in, 172
 - scriptlet codes for, 173-174
 - user and content model development in, 172
- profilers in, 168-170, **168**
- programmatic use of, 212
- publishing personalization artifacts in, 177
- Rational Application Developer (RAD) and, 164
- recommendation engine in, 166
- recommendations in, 169-170
- register translator for, 176
- replicating, 161
- repository for types in, 161
- resource engine in, 165
- resources and, 166-167, 176, 183-191, **184-191**
- Rule Editor for, 160
- rule trigger beans in, 168
- rules engine in, 165
- rules in, 168-170, **168**, 176, 200-208
- rules-based, 162, 177-211
 - action rules for, 178, 178*t*
 - action rules in, table of, 205*t*
 - associating rules with content spots in, 208-209, **209**
 - AuthIDTranslator class in, 197, **198**
 - content spot and code added to JSP in, 191-195, **193, 194**
 - deploying portlet into WebSphere Portal, 196-197, **196, 197**
 - exporting to WAR file, 195, **196**
 - GetBasicNews action rule in, 205, **205**
 - GetCurrentUser action rule in, 203-204, **204**
 - GetCustomerNews binding rule in, 205-207, **206-208**
 - JDBC driver and data source for, 178
 - library for shared resources in, 198
 - resource and content spot creation in, 183-191, **184-191**
 - resource import to workspace for, 198-199, **199, 200**
 - rule creation in, 200-208
 - testing the portlet for, 209-211, **210**
 - UserLevel Profiler rule in, 200-202, **201-203**
 - WebSphere Studio Application Developer (WSAD) in, 178-183, **179-183**
- runtime environment components in, 165-166
- samples for, YourCo and Movie Critic, 214
- scriptlet code for, 173-174
- testing the portlet for, 209-211, **210**
- tools for, 159-160
- types of, 162-163
- user models in, 172
- user profiles in, 160, 162
- UserLevel Profiler rule in, 200-202, **201-203**
- Web archive files (WAR) in, 195, **196**
- Web Content Management (WCM) 160, 162.
 - See also* content management and LWCM

- personalizing the portal, *continued*
 - WebSphere Studio Application Developer (WSAD) and, 164, 173-174, **174**, 178-183, **179-183**
 - wizards for, 164, 183-191, **184-191**
 - Pinstripe skin, **143**
 - platform for WebSphere, 2, **2**
 - Plumtree, xii
 - port configuration, 47
 - AIX platforms, disabling 9090 in, 97
 - HTTP server installation/configuration and, 62-64, **62**, **63**
 - portal aggregation, 157
 - Portal Document Manager (PDM), 9, 162
 - portal runtime, 215
 - Portal Search Engine (PSE), 12, 328-337. *See also* search
 - collection creation in, 329-330, **330**, 332, **332**, **333**
 - performing search with, 331, **331**
 - security and, 336-337
 - status of portal search portlets in, 328-329, 329*t*
 - taxonomies and, 333-336, **334-336**
 - Portal Server, 2, 3*t*
 - portal servers, xii
 - portals, xi-xii, 1-15
 - PortalUsers.ldif file, 305, **306**
 - Portlet API, 7-8, 215, 216-251. *See also* JSR 168 Portlet API
 - action events in, 244-245, **244**, **245**
 - building portlet using, 220
 - concrete portlets and, 217
 - examples of, 241-251
 - action events in, 244-245, **244**, **245**
 - Adding Functionality to Remember URI of a Portlet, 242-243, **242**, **243**
 - PortletConfig use, 247-248, **247**, **248**
 - PortletData use, 249-251, **250**, **251**
 - PortletSettings use, 248-249, **248**, **249**
 - portlet-to-portlet communication in, 245-247, **245**, **246**, **247**
 - JSR 168 Portlet API vs., 253, 254*t*
 - portlet application and, 218
 - portlet concepts in, 216-220
 - portlet development using, 220-251
 - concrete-portlet-app element for, 227, 227-228*t*
 - deploying the portlet in, 230, **230**
 - deployment descriptors for, 223-228, **223**, **224**
 - environment for, 220-221
 - installing portlet in, 229-230, **230**
 - Java code compilation for, 221-223, **221-222**
 - packaging portlet in WAR file in, 229, **229**
 - portlet-app element for, 225, 225-226*t*
 - portlet-app-def field for, 224
 - testing portlet in, 229-230
 - WAR file directory structure for, 228-229, 228*t*
 - portlet development environment for, 220-221, 220
 - portlet lifecycle and, 217-218, **217**, 231-232
 - portlet modes in, 218, 219*t*, 234, **235**
 - portlet states in, 219, 219*t*
 - portlet-to-portlet communication in, 245-247, **245**, **246**, **247**
 - programming a portlet using, 231-241
 - action events in, 237-238
 - concrete portlet initialization with initConcrete method, 231
 - configuration objects in, 240-241
 - core objects and, 232-239
 - destroy portlets, 232
 - helper classes and, 232
 - initializing portlet with init method, 231
 - listeners in, 239
 - message events in, 238-239
 - portlet events in, 236-239, 237*t*
 - PortletAdapter class in, 233
 - PortletApplicationSettings in, 241
 - PortletConfig in, 240, 247-248, **247**, **248**
 - PortletData in, 241, 249-251, **250**, **251**
 - PortletRequest class in, 233-235
 - PortletResponse object in, 235-236
 - PortletSession object in, 236
 - PortletSettings in, 240, 248-249, **248**, **249**
 - service method in, 231
 - window events in, 239
 - Servlet API and, 216
 - solo state in, 219-220
 - URI of portlets, remembering, 242-243, **242**, **243**
 - user portlet instances in, 218
- portlet application, 218

- Portlet Builder for Domino, 385
- portlet container, 215
- portlet development, 220-230
 - concrete-portlet-app element for, 227, 227-228*t*
 - deploying the portlet in, 230, **230**
 - deployment descriptors for, 223-228, **223**, **224**
 - environment for, 220-221
 - installing portlet in, 229-230, **230**
 - Java code compilation for, 221-223, **221-222**
 - packaging portlet in WAR file in, 229, **229**
 - portlet-app element for, 225, 225-226*t*
 - portlet-app-def field for, 224
 - testing portlet in, 229-230
- portlet events in, 236-239, 237*t*
- portlet lifecycle, 217-218, **217**, 231-232, 253-254, **253**
- portlet modes, 218, 219*t*, 234, **235**
- portlet private slots, 312
- portlet states, 219, 219*t*
- portlet URLs, 255
- portlet window states, 255
- Portlet Wiring tool
 - click-to-action (C2A) and, 467
 - portlet-to-portlet communication and, 454-455
- PortletAction, 238
- PortletAdapter class in, 233
- portlet-app element, 225, 225-226*t*
- portlet-app-def field, 224
- PortletApplicationSettings, 241
- PortletConfig, 240, 247-248, **247**, **248**
- PortletData, 241, 249-251, **250**, **251**
- portletizing an application, 429
- PortletPreferences object, 252, 263-265, **263-265**
- PortletRequest class, 233-235
- PortletResponse object, 235-236
- portlets, 6-7
 - execution cycle of, 24, **25**
 - number of portlets on page, no limits to, 153
- PortletSession object, 236
- PortletSettings, 240, 248-249, **248**, **249**
- portlet-to-portlet communication, 245-247, **245**, **246**, **247**, 453-458
 - click-to-action (C2A) and, 455
 - cooperative portlets and, 454, 455-457, **456**
 - cooperative process flow in IBM portlets and, 458
 - cooperative process flow in JSR 168-compliant portlets and, 457
 - IBM portlets and, 455
 - input and output properties in, 455
 - JSR 168-compliant portlets and, 454-455
 - messaging with, 453-454
 - Portlet Wiring tool and, 454-455
 - properties in, 455
 - source and target portlets in, 455
 - wrapper portlets in, 456-457
- presentation template creation using content management and LWWCM, 422-423, **423**
- previewing web pages using content management and LWWCM, 426-427, **426**, **427**
- principals, single sign on (SSO) and, 308
- process portals, 39-41, **39**, **40**, 327, 374-380
 - Business Process Choreographer client setup for, 377-380, **378-380**
 - LDAP and, 375-377, **375-377**
 - My Tasks portlet usage in, 382, **382**
 - process tasks and, 382-385, **384**
 - WebSphere Application Server configuration for, 375-377, **375-377**
 - WebSphere Business Integration Server Foundation (WBISF) and, 375
 - WebSphere Portal setup for, 380-381, **381**
- processes, interruptible, 40
- producer, in Web Services for Remote Portlets (WSRP), 477, 478, 483
- profile management, 268
- profilers, 168-170, **168**
 - UserLevel Profiler rule in, 200-202, **201-203**
- programmatic use of personalization, 212
- programming a portlet, 231-241
 - action events in, 237-238
 - concrete portlet initialization with
 - initConcrete method, 231
 - configuration objects in, 240-241
 - core objects and, 232-239
 - destroy portlets, 232
 - helper classes and, 232
 - initializing portlet with init method, 231
 - message events in, 238-239

programming a portlet, *continued*

- PortletAdapter class in, 233
- PortletApplicationSettings in, 241
- PortletConfig in, 240, 247-248, **247**, **248**
- PortletData in, 241, 249-251, **250**, **251**
- PortletRequest class in, 233-235
- PortletResponse object in, 235-236
- PortletSession object in, 236
- PortletSettings in, 240, 248-249, **248**, **249**
- service method in, 231
- window events in, 239

proofs of concept (PoCs), xviii

properties, portlet-to-portlet communication and, 455

Property Broker, click-to-action (C2A) and, 458

publishing personalization artifacts, 177

Q

QuickPlace Service, 13*t*

QuickPlace. *See* Lotus Team Workplace

R

Rational Application Developer (RAD), 2, 4*t*
personalization and, 164

recommendation engine, personalization and, 166

recommendations, personalization and, 169-170

references, 508-509

register translator, personalization and, 176

registered users, 268

registration of new users, 128-131, **129**, **130**

reloadingEnabled setting and, 156

Reminder portlets, 152, **152**

remote method invocation (RMI) servers,
Extended Search (ES) and, 338

remote rendering portlet, content management
and LWWCM, 417

render parameters, 256

replicating, personalization and, 161

replication domains, 35

replicators, 35

reports, Tivoli Site Analyzer and, 363-369, **364-369**
custom elements in, 373-374

repository for types, personalization and, 161

request handling, JSR 168 Portlet API and, 254-255

required groups and users, 269

resource adapter archive (RAR) files, 387, **387**

resource engine, personalization and, 165

resource permissions portlet, 286-287, **287**

resources, in personalization and, 166-167, 172,
176

creating, 183-191

importing resources to workspace for,
198-199, **199**, **200**

library for shared resources in, 198

URLs for, 255-256

resources, in security, 285, **285**

resource permissions portlet in, 286-287, **287**

response file installation, 110-111

Restoring the portlet screen, 126

Rich Site Summary (RSS), 439. *See also* XSLT
Portlet

role types, 285-286, **286**

roles, J2EE and, 22

roles, in security, 285-286, **286**

RSA ClearTrust, 280

Rule Editor, 160

rule trigger beans, 168

rules, personalization and, 168-170, **168**, 176

associating rules with content spots in,
208-209, **209**

creating, 200-208

mapping rules to contents spots in, 176

rules engine, personalization and, 165

rules-based personalization, 162, 177-211

runtime. *See* portal runtime

S

Sametime Service, 13*t*

Sametime. *See* Lotus Instant Messaging and
Web Conferencing

SAP, xii

Science theme, **136**

screens, 157

scriptlets, personalization and, 173-174

search, 12, 327-350

collection creation in, 329-330, **330**, 332, **332**, **333**

Extended Search (ES) and, 337-344, **338**

deployment and usage of, 345-348, **346**

- ES Portlet installation for, 344-345
- installation and configuration for, 339-342, **339-341**
- notes on, 348
- remote method invocation (RMI) servers and, 338
- simple, enhanced, advanced versions in, 344-345
- startup of, 342-343, **342, 343, 344**
- order of, aggregation search order in, 144-145, 144*t*
- Portal Search Engine (PSE) and, 328-337
 - collection creation in, 329-330, **330, 332, 332, 333**
 - performing search with, 331, **331**
 - security and, 336-337
 - status of portal search portlets in, 328-329, 329*t*
 - taxonomies and, 333-336, **334-336**
- Reminder portlets for, 152, **152**
- Search and Indexing Application Programming Interface (SI-API) and, 349
- taxonomies and, 333-336, **334-336**
- Unstructured Information Management Architecture (UIMA) framework and, 349
- WebSphere Information Integrator OminFind Edition and, 349-350, **350**
- Search and Indexing Application Programming Interface (SI-API), 349
- Secure Sockets Layer (SSL), 34, 444
- security, 39, 109, 267-326
 - access control in, 284
 - adding user to group in, 294-295, **295, 296**
 - administrator creation for groups in, 296-297, **297**
 - authenticating new users in, 297-298, **298**
 - authentication and authorization in, 280-283, **282**
 - Custom User Registry (CUR) in, 304
 - delegate permission in, 291
 - directory server support and, 304-307
 - example of access control scenario in, 292-304
 - External Security Manager (ESM) in, 280, 303-304
 - group creation in, 292-294, **293, 294**
 - initial access rights settings in, 292
 - JSR 168 Portlet API and, 259
 - LDAP and, 281-283, 304-307, 305*t*
 - Netegrity SiteMinder and, 280, 303, 325-326, 326*t*
 - new user information required for, 297*t*
 - passwords and, 283-304, **283**
 - permission controls in, 288, **289-291**
 - permission inheritance in, 298-299, **299**
 - permissions in, 284, 300-302, **301**
 - PortalUsers.ldif file for, 305, **306**
 - resource organization for, 285, **285**
 - resource permissions portlet in, 286-287, **287**
 - roles in, 285-286, **286**
 - RSA ClearTrust and, 280
 - search and, 336-337
 - setting up, 281-283
 - single sign on (SSO) and, 307-319
 - timeouts and, 283-304, **283**
 - Tivoli Access Manager and, 280, 303
 - Trust Association Interceptors (TAIs) and, 280, 303-304, 320-326, **320**
 - user and group permissions portlet in, 287-292, **288**
 - users and groups in, 267-280
 - WebSEAL and, 280
- segments, vault segments, 310-312, **311-312**
- self-registration feature, 118-119, **118, 128-131, 129, 130**
- servers, portal. *See* portal servers
- service method, 231
- services, J2EE and, 21
- Servlet API, Portlet API and, 216
- ServletInvoker portlet, 436-437, **437**
- settings, PortletApplicationSettings in, 241
- settings, PortletSettings in, 240, 248-249, **248, 249**
- Shadow skin, **143, 143**
- “shadow” boxes, 34
- shared slots, 312
- Siebel Portlet Builder, 386-387
- simple filtering, 162
- simple portlet action string, 237
- Single Sign-On (SSO), 85, 307-319, 386, 406-408, **408**
 - active vs. passive credentials in, 319
 - administrative slots in, 312
 - collaborative features and, 406-408, **408**

- Single Sign-On (SSO), *continued*
 - credential objects in, 313-314
 - credential vault and, 309-310, **310**
 - credential vault creation for, 315-319, **316-319**
 - credentials in, 308
 - Java Authentication and Authorization Service (JAAS) and, 308-309
 - Lightweight Third Part Authentication (LTPA) and, 308, 309
 - portlet private slots in, 312
 - principals in, 308
 - shared slots in, 312
 - system slots in, 312
 - Tivoli Access Manager vault adapter configuration in, 314-315
 - tokens, LTPA and, 309
 - vault segments in, 310-312, **311-312**
 - vault slots in, 312
 - single-addressed messages, 238
 - site analytics, 12, 38, 327, 350-374. *See also* Tivoli Site Analyzer
 - site creation using content management and LWWCM, 421, **422**
 - skins, 135-158, **136-144**, 157
 - creating, 145-148, **147**
 - slots, vault, 312
 - Snoop Servlet, 49, **49**, **50**
 - Software License agreement, 53, **53**
 - Solaris platforms, WebSphere Portal installation, 43, 85-90
 - co-existing WebSphere Application Server and, 87
 - Domino Server and, 89, **89**
 - feature selection screen for, 88, **88**
 - log file creation during, 89
 - notes on, 87-90
 - system kernel settings for, 86-87*t*
 - solo state, 219-220
 - source and target portlets, portlet-to-portlet communication and, 455
 - standards, 17
 - starting/stopping WebSphere Portal Server, 113-114
 - states, portlet window, 255
 - states, portlet, 219, 219*t*
 - suffix, LDAP, 305
 - Sun, xii
 - SunOne Directory Server, 48, 304
 - system kernel settings, Solaris, 86-87*t*
 - system slots, 312
- T**
- taxonomies, in search, 333-336, **334-336**
 - test environment installation, 91-94, 92-94
 - testing portlets, 229-230
 - themes, 135-158, **136-144**, 157
 - creating, 148-149, **149**, 155-156
 - three-node configuration, 33-34, **33**, **34**
 - timeouts, 283-304, **283**
 - Tivoli Access Manager, 267, 280, 303
 - Trust Association Interceptors (TAIs) and, 320-325, 322*t*, 323*t*, **324**, **325**
 - vault adapter configuration in, 314-315
 - Tivoli Directory Server (TDS), 4*t*, 40, 48, 103-109, 304. *See also* LDAP
 - installation of, 104-107, 104-**107**
 - Tivoli Site Analyzer, 2, 5*t*, 12-13, 327, 351-374
 - challenge screen, password access and, 355-356, **356**
 - enabling portal server logging for, 369-373, **371-372**
 - installation of, 351-355, **352-355**
 - log file specific to project in, 361-363, **361-363**
 - log files created by, 360
 - loggers in, 370, 370*t*
 - new project creation in, 356-359, **357-360**
 - report creation from, 363-369, **364-369**, 374
 - report creation from, custom elements in, 373-374
 - starting and using, 355-369
 - tokens, LTPA, 309
 - topologies
 - cells in, 34-35, 34
 - clones in, 35-37, **36**, **37**, 35
 - clusters in, 35
 - complex configurations in, 38
 - databases and, 31-32, 31
 - demilitarized zone (DMZ) in, 33
 - deployment managers for, 34-35, 34
 - Domino Server and, 29
 - HTTP and, 33

- LDAP directory servers and, 29, 30, 31, 33, 40
 - one-node configuration in, 28-30, **29, 30**, 28
 - operating systems and, 38
 - process portals and, 39-41, **39, 40**, 39
 - replication domains in, 35
 - replicators in, 35
 - “shadow” boxes and, 34
 - three-node configuration in, 33-34, **33, 34**, 33
 - two-node configuration in, 30-33, **31, 32**, 30
 - vertical vs. horizontal cloning in, 35-37, **36, 37**, 35
 - topologies, 27-41
 - Translation Server, 14
 - Trust Association Interceptors (TAIs), 8-9, 280, 303-304, 320-326, **320**
 - distinguished name (DN) and, 320
 - flow of data through, 320, **320**
 - Netegrity SiteMinder, 325-326, 326*t*
 - Tivoli Access Manager configuration for, 320-325, 322*t*, 323*t*, **324, 325**
 - two-node configuration, 30-33, **31, 32**
 - types of portals, xiii-xvi
- U**
- uninstalling WebSphere Portal, 111-113, **112, 113**
 - Unstructured Information Management Architecture (UIMA) framework, 349
 - URI of portlets, remembering, 242-243, **242, 243**, 260-261, **260, 261**
 - URLs. *See also* clipper portlets
 - resources and, 255-256
 - portlets, 255
 - user and group permissions portlet, 287-292, **288**
 - user models, 172
 - user portlet instances, 218
 - user profiles, 160, 162
 - UserLevel Profiler rule in, 200-202, **201-203**
 - user repository, 268, 269-272
 - UserLevel Profiler rule, 200-202, **201-203**
 - users/groups, 267-280
 - access control in, 284
 - adding user to group in, 294-295, **295, 296**
 - administrator creation for groups in, 296-297, **297**
 - attributeMap.xml file for WMM for, 276, **276-278**
 - authenticating new users in, 297-298, **298**
 - Custom User Registry (CUR) and, 278, 304
 - delegate permission in, 291
 - group creation in, 292-294, **293, 294**
 - group membership and, 268
 - initial access rights settings in, 292
 - member groups in, 268-269
 - member types in, 268
 - nested groups in, 272-273
 - new user information required for, 297*t*
 - permission controls in, 288, **289-291**
 - permission inheritance in, 298-299, **299**
 - permissions and, 284, 300-302, **301**
 - profile management and, 268
 - registered users in, 268
 - registration and sign up of, 128-131, **129, 130** required, 269
 - resource permissions portlet in, 286-287, **287**
 - roles in, 285-286, **286**
 - self-registration feature for, 118-119, **118, 128-131, 129, 130**
 - user and group permissions portlet in, 287-292, **288**
 - user repository and, 268, 269-272
 - Web Services for Remote Portlets (WSRP) and, 480
 - WebSphere Member Manager (WMM) for, 267-268, 273-278, **274-276**
 - attributeMap.xml file for WMM for, 276, **276-278**
 - new security provisions in, 278-280, **279**
 - Windows installation, 73-78, **74-78**
 - wmm.xml file and, 269-270, **270-272**
 - WPS_HOME in, 272, **273**
- V**
- vault segments, 310-312, **311-312**
 - vault slots, 312
 - vault, credential vault, 309-310, **310**
 - verifying installation, 60-62, **60, 61**
 - vertical cloning, 35-37, **36**
 - Vignette, xii
 - virtual portlets, 469-475, **469-473**

W

- Wave skin, **144**
- Web archive (WAR) files, 7, 19, 25-27, **26**, 26-27*t*
 - directory structure for, 228-229, 228-229*t*
 - packaging portlet in WAR file in, 229, **229**
 - personalization and, exporting to, 195, **196**
- Web clients, 21
- Web container, 20, **20**
- Web Content Management (WCM). *See* content management and LWWCM
- Web parts, 7. *See also* portlets
- Web Service Description Language (WSDL)
 - click-to-action (C2A) and, 460-463, 464-465, **464**
 - Web Services for Remote Portlets (WSRP) and, 477
- Web Services, 22, 483
- Web Services for Remote Portlets (WSRP), 385, 475-484
 - consumers in, 477, 480, 484
 - consuming a service through, 482-484, **483**
 - enabling on WebSphere Portal Server, 476
 - example, in WebSphere Portal, 478
 - group IDs and handles for, 480
 - notes on, 483
 - producer in, 477, 478, 483
 - producer instance creation for, 481-482, **482**
 - providing portlet for, 479, **479**, **480**
 - service description in, 478
 - Web Services Description Language (WSDL) and, 477
 - Web services for, 483
- Web sites of interest, 507-508
- Web sites vs. portals, xi-xii
- Webpage portlet, 441, **442**
- WebSEAL, 280
- WebSphere Application Server, 2, 27, 43
 - authentication and authorization in, 280-283, **282**, 280
 - clones and, 28
 - eFixes and installation, 49
 - installing, 48
 - J2EE compliance and, 22-23, 23*t*, 22
 - multiple instances of, 55, **55**, 55
 - Snoop Servlet in, 49, **49**, **50**, 49
 - topologies for, 27-41. *See also* topologies, 27
 - versions of, 48, 48*t*, 48
- WebSphere Application Server, xii, 4*t*
- WebSphere Business Integration Server Foundation (WBISF), 39
 - process portals and, 375
- WebSphere Commerce Server, 2
- WebSphere Content Management, 4*t*, 9. *See also* content management and LWWCM
- WebSphere Enablement Team, xviii
- WebSphere Global Security, 39
- WebSphere Information Integrator for Content, 12
- WebSphere Information Integrator OminFind Edition and, 349-350, **350**
- WebSphere Member Manager (WMM), 4*t*, 9, 30, 267-268
 - attributeMap.xml file for, 276, **276-278**
 - configuring, 273-278, **274-276**
 - new security provisions in, 278-280, **279**
- WebSphere MQ, 2
- WebSphere platform, 2, **2**
- WebSphere Portal, xii, xviii, 1, 3-7, 27, 30
 - architecture of, using J2EE, 17-23
 - components of, 9-14, 10-11*t*
 - default portlets installed with, 429-433, 430-432*t*
 - deploying portlet into WebSphere Portal, 196-197, **196**, **197**
 - dynamic caching in, 35
 - editions of, 3, 3-5*t*
 - IBM Application Portlet Builder (APB) and, 390-391, **391**
 - installing. *See* installing WebSphere Portal.
 - starting/stopping, 113-114
 - uninstalling, 111-113, **112**, **113**
 - Web Services for Remote Portlets (WSRP) and, 476
- WebSphere Portal Application Integrator (WPAI), 327, 386-390, **387**
- WebSphere Studio Application Developer (WSAD), personalization and, 164, 173-174, **174**, 178-183, **179-183**. *See also* Rational Application Developer
- WebSphere theme, **136**
- WebSphere Translation Server, 2, 4*t*
- WebSphere Voice Server, 2

- Welcome page, 116, **116**
 - Welcome screen, installation, 52, **52**
 - window events, 239
 - window states, portlet, 255
 - Windows platform, WebSphere Portal installation, 43, 51-85
 - Access Control List (ACL) configuration in, 78-79, **79**
 - Administrator authority for, 51
 - administrator user ID and password for, 59, **59**
 - co-existing WebSphere Application Server and, 55, **55**
 - directory for, 56-57, **56, 57**
 - Domino Administrator configuration for, 72-73, **73**
 - Domino Administrator installation for, 71, **71**
 - Domino Server configuration for, 66-70, **67-70**
 - Domino Server installation for, 64-66, **65, 66**
 - Enable Write Access on LDAP in, 80-82, **81, 82**
 - Extend edition, 64
 - Extend Edition and, configuration parameters for, 83-85, 83-84*t*
 - HTTP server configuration for, 62-64, **62, 63**
 - language selection in, 52, **52**
 - LDAP server configuration for, 73-78, 74-78
 - options for, 53-54, **54**
 - password configuration in, 75, **75**
 - Single Sign On (SSO) and, 85
 - Software License agreement in, 53, **53**
 - users/groups configured in, 73-78, **74-78**
 - verifying and authenticating, 60-62, **60, 61**
 - Welcome screen for, 52, **52**
 - Windows service and, 58, **58**
 - Windows service, 58, **58**
 - Wiring tool
 - click-to-action (C2A) and, 467
 - portlet-to-portlet communication and, 454-455
 - wizards, personalization and, 164, 183-191, **184-191**
 - wmm.xml file, 269-270, **270-272**
 - workflow creation using content management and LWWCM, 420-421, **420**
 - workload management, 33
 - WPS Enterprise Application, 9
 - WPS_HOME, 272, **273**
 - wrapper portlets, portlet-to-portlet communication and, 456-457
- X**
- XSLT Portlet, 439-441, **440**
- Y**
- YourCo rules-based personalization sample, 214
- Z**
- ZDNet, xv