

Numerics

64-bit installation requirements 56

A

absolute URL 151

Access Denied exception 216

accessibility 148

AccessKey attribute 105

activation 172, 180

See also Feature Activation

adaptation using Web Parts 7

Add-SPSolution cmdlet 181

Add-SPUserSolution cmdlet 187, 195

AddDataToScope method 215

AddWebPart method 372

administrative tasks for SharePoint Features 171

administrators 183, 339

Advanced Edit mode 47

Advanced Editing mode 363

Advanced properties 124, 135

Advanced property, Editor Part control 41, 123

Advanced Serach Box, Search Web Part 36, 385

AfterDeserialize method 199

agile development 8, 171

Ajax Control Toolkit 246

Ajax feature 25, 223, 230, 242, 336–337

algorithms 222

AllowAllValue property 358

AllowCustomization property 363, 373

AllowEmptyValue property 358

AllowLayoutChange property 363, 372

AllowMultipleValues property 358

AllowPartiallyTrustedCallers attribute 191

AllowPersonalization property 363, 372

AllowsMultipleConnections property 342, 346

AllProperties hash table object 178

AllUsersWebPart element 368, 374, 376

"An unexpected error has occurred" message 203

Announcements list 4

anonymous users 226

API 206, 275–277, 282

App_Browser folder 295, 299

App_GlobalResources folder 158–160, 165

Appearance properties 41, 123

appearances 11, 79, 110, 123

Application Lifecycle Management 49

application logic 310

Application Management button 339

application management team 201

application pages 18, 251, 254, 360

application pools 183, 209, 224, 233

Application_Startup event 283

ApplyChanges method 84, 128, 132

architect 183, 310

.ASCX files 13, 63

ASCX pages 89

ASP.NET 10, 48, 79, 208, 232, 244, 301, 336–337

applications 55

cache 233

controls 5, 47, 66, 111

tracing 218

version 2.0 337, 346

version 3.5 244

Web Parts 13–14, 67, 111

ASP.NET AJAX Extension 243, 251

AspNetHostingPermission 194

ASPX 18, 360

assembly 28

Assembly Deployment Target 190

Assembly redirection method 197

assembly Web Part 28

AssemblyInfo.cs file 154

AssemblyVersion attribute 197

Asserts and Critical Events section 215

AssociatedControlID 105

asynchronous method 223, 243, 282, 352

asynchronous operation 227
 asynchronously 40, 282
 AsyncPostBackTrigger 245
 AsyncTaskEnded delegate 228
 AsyncTrigger property 352
 Attach to Process option 209
 audiences 111, 126, 140, 147
 AuthorizationFilter
 property 140, 142
 AutoPostBack property 132

B

background images 231
 bandwidth 221, 230, 276
 BCS (Business Connectivity Services) 37, 95, 187, 207
 BDC (Business Data Catalog) 8
 behavior of Web Part zone 11, 110
 best practices 217, 250, 311, 362
 bin directory 173, 190
 BindingRedirect element 198
 Blackberry 294
 Blank Site Definition
 template 59
 BLOB cache 232, 238, 240
 bottlenecks 212, 230
 breakpoints 208
 browser cache 259
 Browser Definition File 292, 295
 .browser. *See* Browser Definition File
 browsers 97, 274, 292, 296
 build scripts 172
 BuilderButton class 133
 BuilderURL attribute 147
 building blocks 5
 BulletedList object 343
 Business Connectivity Services (BCS) 37, 187, 207
 Business Data Actions 37, 399
 Business Data Catalog (BDC) 8
 Business Data Connectivity Filter 37, 354, 400
 Business Data Connectivity Model 59
 Business Data Item 37, 399
 Business Data Item Builder 37
 Business Data Item Builder Web Part 294
 Business Data Item Web Part 294
 Business Data List 37, 400

Business Data Related List 37, 399
 Business Data Web Parts 37
 Business Intelligence features 37
 business logic 5, 7, 313, 315

C

C# programming language 6, 58
 C++ programming language 58
 CAB (cabinet) files 172
 cache dependencies 233
 CacheDependency class 233
 caching 15, 131, 153, 222, 232, 235, 362
 Calendars lists 4
 call stack 203, 215
 callback methods 348
 CallStack property 209
 CAML (Collaboration Markup Language) 33, 95, 223, 226
 Cancel button 131
 CanConvertFrom method 139
 CanConvertTo method 139
 canHandleCommand 268
 CAS (Code Access Security) policies 190, 192
 cascaded drop-down list 96
 CatalogIconImageUrl
 property 105
 catalogs 12
 Categories Web Parts 35, 385
 Category attribute 115, 119
 CDATA element 370
 Central Administration 26, 49, 184, 186, 189, 204, 305
 chaining results 337
 Chart Web Part 400
 CheckRuntimeRender
 method 142
 Choice Filter Web Parts 35, 354, 401
 chrome 5, 10, 124
 ChromeState option 84
 CKS:DEV extensions 326, 361
 class diagram designer 319
 ClassResource type 152
 ClassResourcePath 152
 client context 277, 282, 289
 Client Object Model 15, 32, 275, 366
 client operating system (OS) 56
 client runtime proxy 275, 289
 client-side API 275

client-side caching 238
 client-side connection 337
 client-side Web Part 275
 ClientApplicationWebPartBase
 class 289
 ClientBin folder 276
 ClientContext context 277, 288
 ClientID property 89
 ClientScript object 154
 ClientScriptManager object 247
 Close verb 12, 106
 closed Web Part 44, 84, 124
 cmdlets 180
 CMDUI.XML file 263
 CMIS (Content Management Interoperability Specification) 6
 Code Access Security (CAS) policies 190, 192
 Code Analysis 170
 code behind files 63
 code coverage 327, 331
 code profiler 329
 Code view 48
 CodePlex 3, 58, 322
 collaboration 31, 311
 Collaboration Markup Language (CAML) 33, 95, 223, 226
 colors 80
 COM+ objects 222, 224
 Command function 266
 command-line action 69
 CommandAction attribute 262
 CommandUI.Ribbon 259
 CommandUIDefinitions
 element 259–260
 CommandUIExtension
 element 259
 CommandUIHandlers 260, 262
 commonModalDialogClose
 method 257
 compact form 276
 compat.browser file 295, 299
 compat.moss.browser file 296
 compilation 67
 complex properties 110, 135
 complex types 48, 314
 composite controls 79, 92
 composite image 231
 composite test 328
 computational
 performance 222
 confidential information 178
 configuration database 172

- conflicts 69
 - Connected Web Parts. *See* Web Part connections
 - connection consumer 336, 367
 - connection contract 336
 - connection end-point 342
 - connection interface 340
 - connection provider 336, 346, 367
 - connection strings 177
 - ConnectionConsumer attribute 343, 346
 - ConnectionProvider attribute 342, 346
 - connections 335–336, 360, 365
 - Connections submenu 337
 - console application 277
 - constructor 81
 - constructor injection 317
 - consumer 336
 - Consumer Connections Web Part 379
 - consumer Web Part 340
 - ConsumerConnectionpointID attribute 370
 - ConsumerID attribute 370
 - Contact Details Web Part 36, 386
 - Contacts list 4
 - content databases 10, 21, 81, 112, 195, 240, 360
 - Content Editor Web Part 7, 32, 380
 - content expiration 153, 239
 - Content Management Interoperability Specification (CMIS) 6
 - Content Query 34
 - Content Query Web Part (CQWP) 34, 386
 - Content Rollup Web Part 34
 - content type parameter 154
 - Content Type template 59
 - ContentTemplateContainer control 246
 - context menus 94
 - context-aware 25
 - contextual aware Web Part 26, 258, 263
 - ContextualGroup element 264
 - continuous integration 8
 - contracts 312
 - control adaptors 291, 293–294, 296–297
 - control designer 65
 - control tree 85, 107
 - ControlAdapter class 297
 - ControlRef element 262
 - controls 79
 - CONTROLTEMPLATES folder 93, 97
 - ControlTemplates method 89
 - ConvertFrom 139
 - ConvertServerLinksToRelative parameter 121
 - ConvertTo method 139
 - core.css file 97
 - CORE.js file 252
 - corev4.css file 97–98
 - correlation id 202–203, 205, 212
 - CPU usage 70, 185, 232
 - CQWP (Content Query Web Part) 34, 386
 - CreateChildControls adding child controls to Web Part using 81 adding controls to Web Part manually using 73 and adding controls to Ribbon 263 and Ajax and Web Part connections 352 and asynchronous operations 229 and caching objects and structures 236 and connecting using custom interfaces 341 and custom Silverlight Web Part 289 and defining properties 136 and ITransformableFilterValues interface 352 loading user control using 67 and mobile controls 306 overriding 17 and postback event flow 83–84 regular expression validation control in 130 and SharePoint Service Locator 324 and user filter control creation 143 and working with ASP.NET AJAX extensions 244
 - CreateControlsForSummaryView method 298
 - CreateEditorParts method 84, 129
 - CreateProperty method 350
 - CreateWebPartFromList function 366
 - CreateWebPartIcon method 299
 - CreateWebPartLabel method 299
 - cross-browser 243, 249
 - cross-page connections 15
 - cross-site scripting (XSS) 16, 178
 - CSS (Cascading Style Sheets) 97–101 caching 238 and DIV elements 365 localizing 167–168 and previews of Web Parts 66 and resource performance 230–231
 - CSS class 100
 - CSS file 100
 - CSS selector 232
 - CSS Sprite 231, 261
 - CssClass property 100
 - CssRegistration control 96, 101, 168
 - Ctrl-F5 shortcut 70
 - culture 157
 - culture-specific assemblies 165
 - culture-specific folders parameter 167
 - CultureInfo.CurrentCulture 136
 - current UI culture 169
 - Current User Filter Web Part 35, 354, 401
 - custom actions 258
 - custom connections 340
 - custom controls 89
 - Custom group 30
 - Custom Initialization Parameters property 283
 - custom transformers 356
 - CustomAction element 259
 - customization 10, 44, 110–111
 - customized page 49
 - CustomPropertyToolPart Editor Part 126
- D**
-
- dashboards 6, 28, 335, 359–360, 367
 - Data Form Web Part 7–8, 31–33, 45–46, 380

data model 310
 Data View Web Part (DFWP)
 32, 380
 database 7
 calls 230
 queries 212
 DataContext object 226
 Date Filter Web Part
 35, 354, 402
 DateTimeControl 93
 deactivation, of Feature 176
 debuggers 81, 202, 219
 debugging 57, 61, 67, 69, 96,
 201–202, 207–208, 228,
 367, 370
 decimal numbers 149
 decimal separators 169
 declarative approach 244, 367
 decoupling 316
 Default configuration 68
 default language setting 162
 default policy file 193
 Default Resource File 161
 default values 28, 81, 111,
 116–117, 343
 DefaultValue attribute 118
 delegate control 149, 228, 263
 delegate method 282
 Delete Verb, Web Part 12
 deleting Web Parts 44
 dependency 311, 317
 dependency injection
 method 309–310, 312, 317
 deployment 172, 180, 291, 298,
 304, 308
 configurations for 67, 210
 methods 148
 process of 78
 steps in 68
 Deployment Location
 property 152–153
 deployment target 322
 Deployment Type 285
 DeploymentTarget
 attribute 191, 198
 Description attributes 119
 design 25, 80
 Design mode 66
 design patterns 222, 309–310
 Designer permissions 178
 DetailViewPageUrl method 299
 Developer Dashboard
 feature 202, 210–211, 215,
 218, 222, 235
 developers 183, 311

development environment
 55, 202
 development tools 56
 development workstation 56
 devices 291–292
 DFWP (Data Form Web
 Part) 32, 380
 dialog boxes 25
 dialog framework 26, 223,
 242–243, 251, 254
 dialogReturnValueCallback
 function 257
 Disable-SPFeature cmdlet 184
 Dispatcher.BeginInvoke
 method 282
 Display property 90
 Dispose method 83
 disposing 224
 DIV element 365
 document library 360
 Document Object Model 168
 documentation 93
 Documents tab 29
 domain 310, 313
 __doPostBack function 250
 downtime 171
 Dual Chinese Search 386
 DVWP (Data View Web Part)
 33, 380
 .dwp file 50
 dynamic Web Part 10, 363

E

e-mail 291
 ECMA International 275
 ECMAScript Client Object
 Model 275
 Edit mode 39, 47
 Edit Verb 12
 Editing Tools tab 26
 editing Web Part 106
 Editor Parts 41, 84, 126–127,
 287, 326
 element manifest 64, 155, 175
 ElementFile 285
 elements manifest 362
 elements.xml 155
 elevated privileges 8
 embedding resource 148–149,
 153–154
 Empty SharePoint Project
 59, 71
 Enable-SPFeature cmdlet 184

EnableCssTheming
 attribute 103, 168
 EnableViewState property 86
 end-user experience 26, 111
 EnsureChildControls
 method 84–85, 109
 enterprise portals 19
 error handling 122, 215
 error messages 130, 202, 207
 error page 217
 errors 201, 251, 314
 evaluation image 57
 Evaluation Virtual Machine 57
 event flow 81, 108
 event handler 74, 282
 event receiver 189
 Event Receiver template 59, 371
 EventActivityIdControl
 method 207
 events 66, 74, 80, 344
 Excel Services 38
 Excel Web Access Web Part
 38, 402
 exception handling 130, 201
 exceptions 74, 185–186,
 202–203, 205
 Execute method 228
 ExecuteQuery method 277–278
 ExecuteRegisteredAsyncTasks
 method 230
 ExecuteRegisteredProxyOpera-
 tion method 190
 execution time 212
 ExpandableObjectConverter
 class 137
 Export command 125
 export file 49, 51, 65, 83, 361
 Export Mode property 51, 286
 export verb 50
 extensibility 4, 78
 Extensible Application Markup
 Language (XAML) 280
 Extension Manager 60, 78
 extensions 78
 external applications 274
 external content types 46
 external data 46
 External Lists 7, 208
 external systems 187

F

F# programming language 6, 58
 F5 key 17, 57, 67, 69, 74, 172,
 208, 370

F9 key 70
 F12 key 129
 fake objects 327
 farm 18, 172
 Farm Administrators
 account 323
 farm registered service 322
 farm solutions 62, 101, 150, 187,
 249, 297, 316, 360
 Feature 62
 activation 174
 deactivation 175
 properties 177
 Feature Designer 72, 173
 Feature manifest 173
 Feature node 62–63, 171–172
 Feature receiver 145, 174, 303,
 360, 366, 370
 feature stapling 376–377
 FeatureActivated method
 145–146, 174, 189, 210, 303,
 324, 371
 FeatureDeactivating
 method 145–146, 174–175,
 189, 197, 210, 304, 325
 FeatureInstalled method
 174, 210, 323
 features 30
 FeatureSiteTemplateAssociation
 elements 377
 FeatureUninstalling
 method 174, 210, 323
 FeatureUpgrading method
 174, 196, 210
 Federated Results Web Part
 36, 387
 Fiddler tool 217, 219, 232
 File element 64, 155, 285
 filter 335
 Filter Actions Web Part
 35, 354, 402
 Filter Web Parts 6, 34, 335,
 354, 359
 filtering 94
 Find By Document Id Web
 Part 387
 FireBug extension 98, 217, 219
 Firefox 98, 104, 217, 219
 Fixup parameter 121
 Flash plug-in 274
 fonts 80
 format 276
 FormatException type 217
 Forms Digest token 290
 Forms Web Parts 7

FrameType parameter 363
 FriendlyName attribute 119
 FrontPage application 46, 380
 full-trust proxy 185, 187, 217
 full-trust solution 62

G

GAC (Global Assembly
 Cache) 141, 172, 190,
 322, 355
 gadgets 6
 galleries 12, 26
 garbage collector 224, 235
 Get-Help cmdlet 182
 Get-SPFeature cmdlet 183
 Get-SPLogEvent cmdlet 205
 Get-SPServiceInstance
 cmdlet 186
 Get-SPSite cmdlet 184
 Get-SPSolution cmdlet 181
 Get-SPUserSolution cmdlet 187
 Get-SPWebApplication
 cmdlet 184, 187
 GetAllInstances interface 326
 GetCatalog method 176
 GetCurrent method 248, 324
 getFocusedCommands
 function 268
 GetGenericSetupPath
 method 303
 getGlobalCommands
 function 268
 GetInitParams method 290
 GetInstance method 323, 325
 GetLocalizedString method 159
 GetServerRelativeClassResource-
 Path method 153
 GetServerRelativeUrlFrom-
 PrefixedUrl method 156
 GetToolPaneControl
 method 142–143
 GetType method 247
 GetWebResourceUrl
 method 154
 Ghostable type 362
 GhostableInLibrary type
 284, 362
 ghosting technique 21
 GIF format 105
 Global Assembly Cache
 (GAC) 141, 172, 322, 355
 global market 149, 157
 Global Resource File 159
 Go To Definition option 129

Google 6
 graphs 5
 GridView control 93
 GroupedDropDownList
 control 96
 GroupId element 261
 grouping 94
 groups 27, 111
 GroupTemplate element
 262, 266
 Guid attribute 298
 Guidgen tool 298

H

hacking 203
 handleCommand 268
 hardware 56
 Health Analyzer 26
 heavy load 222
 Height 123
 Hello World 16
 hidden control 86
 hidden Web Part 124
 hiding 31
 high-performance 100, 226
 high-scalability solutions 15
 hosted solutions 279
 HTML 73, 80, 280, 288
 HTML Form Web Part
 32, 42, 381
 HtmlGenericControl 289
 HTTP 304 219, 239
 HttpContext object 366
 HttpContext.Cache object 233
 HttpRuntime.Cache object 233

I

ICellConsumer interface 346
 ICellProvider interface 346
 icons 105, 108
 IFilterConsumer interface 346
 IgnoreIfExists
 attribute 362
 IIS (Internet Information
 Services) 18, 149, 209,
 232, 239
 IIS Worker Process 70
 IISRESET command 325
 Image Viewer Web Part 32, 381
 Image Web Part 294
 images 230–231
 immutable variable 313, 319

Implement Interface
 option 342
 Import element 300
 Import Error Message
 property 126
 Import Reusable Workflow
 template 59
 Import SharePoint Solution
 Package 59, 75
 Imported Web Parts 50
 importing 49–50
 improve performance 222
 Indicator Details Web Part 403
 Indicator Web Part 37
 InfoPath Form Web Part 38, 403
 initialization parameters 287
 InitializeStrings method 141
 initializing 81
 injecting 312
 inline JavaScript 243
 inline server-side code 20–21
 Install-SPSolution cmdlet
 182, 195
 Install-SPUserSolution
 cmdlet 187
 installation 172, 183
 IntelliSense support 276
 interaction 79
 interface 291–299, 306–307
 separating design from logic
 of 100
 with Web Parts 291, 299, 302,
 305, 307, 311, 336
 Internet Explorer 69, 74, 98,
 217, 219
 Internet Explorer 8.0 Developer
 Tools 98, 219
 Internet Information Services
 (IIS) 18, 149, 209, 232, 239
 invariant culture 157–158, 160
 Invariant Language 159
 iPad 294–295
 IPermission element 194
 iPhone 294
 iPod 295
 IPostBackDataHandler
 interface 144
 IRuntimeFilter interface 141
 IRuntimeFilter2 interface
 140–141
 IsClosed method 84
 IServiceLocator method 326
 IsFilterActive interface 141
 isFocusable function 269
 isolated testing 315

ISpScopedPerformanceMonitor
 interface 213
 IsSensitive parameter 125
 IsStatic property 122
 IsWellFormedUriString
 method 123
 ItemBulletIconUrl property 299
 IToolPaneControl
 interface 142–143
 ITransformableFilterValues
 interface 357–358
 IVersioningPersonalizable
 interface 199
 IWebEditable interface 128
 IWebPartField interface 347
 IWebPartPageComponent-
 Provider interface 271
 IWebPartParameters
 interface 347, 349–350
 IWebPartRow interface 347, 350
 IWebPartTable interface 347

J

Java 6
 JavaScript 45, 104, 223
 adding functions to pages 32
 avoiding redundant registra-
 tion of script files with 96
 vs. building Web Parts and
 mobile adapters 8
 caching 238
 client-side connections
 using 337
 controls rendering 80
 debugging tools for 219
 device support of 292, 295
 features in SharePoint 2007
 based on 26
 function for displaying Web
 Part's tool pane 118
 localizing JavaScript files 167
 object literal notation 250
 optimizing files 230
 and Silverlight in combination
 with SharePoint sandboxed
 solutions 274
 using in Web Parts 243–251
 and Web Part verbs 107
 JPEG 105
 jQuery 45, 243, 248–250, 257
 JSON 242–243, 276

K

keyboard shortcut 105
 KPI List 37

L

lambda method 144
 language packs 157–158
 languages 149, 157
 large lists 225
 Latitude field 136
 layered architecture 222
 Layout Editor Part 41, 123
 layout orientation 363
 Layout properties 124
 LayoutEditorPart 126
 LayoutOrientation property 363
 Layouts folder 100, 168
 _layouts folder 149
 LayoutTitle attribute 262
 LCID language identifier
 97, 168
 See also locale identifier
 life cycle management 57
 LimitedWebPartManager
 class 277
 line-of-business systems 4
 LINQ 176, 225–226, 372
 LINQ to SharePoint
 223, 225–226
 LINQ to XML 116
 List Definition template 59
 List View Web Part 294, 346, 382
 lists 4
 LiteralControl controls 104
 Live Previews feature 26
 load balancing 186
 LoadControl method 120
 LoadPostData method 144
 LoadResource method 119
 LoadViewState method 83
 locale identifier 167
 localization 97, 148, 157
 LocalizedWebCategoryAttribute
 attribute 164
 LocalizedWebDescription-
 Attribute attribute 164
 LocalizedWebDisplayName-
 Attribute attribute 164
 lock keyword 238
 log files 203
 long running calculation 230

Longitude field 136
 loose coupling 310–311
 LVWP. *See* List View Web Part

M

Mac OS 279
 maintenance 171
 Maintenance Page 204
 Maintenance view 43
 MakeTabAvailable method 263
 Manage Connections 338
 Manage Lists list permission 31
 Manage Permissions 31
 Managed Client Object
 Model 277
 ManagedLink attribute 121
 Management Console 149
 manifest.xml file 173
 mapped folders 151
 mapping 320
 markup 66
 mashups 6, 38, 41, 335
 master page 10, 17, 22, 101,
 248, 365
 MaxSize element 261
 Media Player Web Part 35
 Media Web Part 26, 35, 280, 387
 memory 222
 menus 25
 Merge-SPLLogFile cmdlet 205
 metadata 12, 27
 metaData element 374
 Microsoft .NET 3.5
 framework 58, 80
 Microsoft Ajax Minifier tool 230
 Microsoft Dynamics AX 4
 Microsoft Exchange Server 37
 Microsoft Office 25
 Microsoft Patterns & Practices
 group 310–311
 Microsoft.SharePoint.Client.dll
 276
 Microsoft.SharePoint.Client.
 Runtime.dll 276
 Microsoft.SharePoint.Client.
 Silverlight.dll 276
 Microsoft.SharePoint.Client.
 Silverlight.Runtime.dll 276
 migrating 75
 minified 97
 Minimize Web Part verb 12, 106
 minimized production
 version 84

Minimized setting, Chrome
 State 124
 Misc section 115
 Miscellaneous section 113, 115
 mobile adapter 8, 297, 299, 304,
 306–307
 mobile controls 305
 mobile devices 291
 mobile interface 291, 293
 mobile network 291
 mobile support 294
 mobile views 10, 292
 mobile Web Part adapters 296
 mobile Web Part Page 293
 mock objects 327–328
 modal dialog window 251
 Model-View-Controller
 pattern 313
 Model-View-Presenter
 pattern 309–310, 313
 Model-View-ViewModel 310
 models 313, 316
 Module element 64, 117, 155,
 284, 287, 360–361
 Module template 59
 modules 155
 Moles tool 329
 monitored metrics 212
 monitored scopes 210, 212,
 214–215, 235, 238
 ms-ButtonHeightWidth class 98
 ms-ButtonHeightWidth2
 class 98
 ms-input class 98
 ms-NarrowButtonHeightWidth
 class 98
 ms-WPBody class 98
 MSDN (SharePoint Developer
 Center) 95
 multiple connections 337
 MVC (Model-View-
 Controller) 313
 MVP (Model-View-
 Presenter) 310
 MVVM (Model-View-View-
 Model) pattern 310
 My Calendar Web Part 37, 388
 My Contacts Web Part 37, 388
 My Inbox Web Part 37, 389
 My Mail Folder Web Part
 37, 389
 My Tasks Web Part 37, 389

N

name attribute 65
 NamedPermissionSet type 194
 namespace 305
 namespace property
 298, 304, 306
 Navigation Web Parts 35
 .NET Framework 6
 version 2.0 13
 version 3.5 14
 version 4.0 13
 .NET Reflector tool 92, 97
 network traffic 278, 291
 No Activation configuration 68
 NoDeployment type 152, 154
 Note Board Web Part 36, 390
 notification messages
 26, 243, 251
 notifications 25

O

obfuscated 97
 object model 8
 Office 365 71, 279, 292
 Office Client Web Parts 38
 Office Web Apps 292
 on-premise solutions 279
 OnBegin method 228
 OnDeleting method 84
 OnEditModeChanged event 84
 OnEnd method 228
 onet.xml file 376
 OnInit method 81, 119,
 153, 199
 Online Templates option 78
 OnLoad method 81, 83–84, 109,
 256, 345
 OnPreRender method 81, 84,
 86, 145, 244, 249, 345, 348,
 350, 353
 OnTimeout method 228
 OnUnload method 83–84
 open source 3
 optimization 202, 219, 221–222
 options menu 12, 25, 337
 Organization Browser Web
 Part 36, 390
 Out-of-the-box Web Parts 24
 Output Caching 239
 OutputCache control
 directive 234
 OWSTIMER.exe file 210

P

Package 62–63
 Package Designer 173
 Package editor 166
 Package Manifest 153
 package manifest 63, 322
 packaging process 63
 Page class 9
 page component objects 267
 page customization
 mechanism 21
 page directive 373
 Page Field Filter Web Part
 35, 354, 404
 page life cycle 80
 Page Viewer 32, 382
 PageAsyncTask object 227, 230
 pageComponentFactory
 object 269
 PageParserPaths 21
 paginate 293, 307
 ParameterName property 358
 ParameterValues property 358
 partial cache functionality 234
 partial post-back 248
 partial trust 172, 190–191
 partial updates 243, 247
 Passive View pattern 313
 Path attribute 64, 155
 pattern 310
 People Picker control 95
 People Refinement Panel Web
 Part 36, 390
 People Search Box Web Part
 36, 391
 People Search Core Results Web
 Part 36, 391
 People Web Parts 35
 perceived performance
 223, 230
 performance 44, 202, 212, 221,
 339, 370
 performance killer 221
 PerformancePoint Filter Web
 Part 354, 404
 PerformancePoint Report 404
 PerformancePoint
 Scorecard 405
 PerformancePoint Services Web
 Parts 37, 356
 PerformancePoint Stack
 Selector 405
 permissions 7, 12, 27, 30–31
 Personal view 42–43

Personalizable properties
 112–113, 120, 125
 personalizing 5, 10, 42, 44, 83,
 110, 372
 Pex tool 329
 phone 292
 PhoneCall mobile control
 306–307
 phones 291–292, 295, 306
 Picker Controls 95
 Picture Library Slideshow Web
 Part 32, 382
 placeholder 243
 PlaceholderMain element 364
 planning 312
 platform 3–4, 24
 plumbing 60, 119, 341
 PNG image format 105
 portlets 6
 Postback event 83, 345
 postbacks 26, 80
 PowerShell 180–181, 183, 187,
 189, 195, 203, 323
 PowerShell.exe process 210
 pre-configure 286
 PreRenderComplete event
 227, 230
 presentation layers 310
 Presenter 313, 317
 preview page 122
 productivity 60
 profiling 327
 project 57–58
 project file 300
 project item templates 78
 Project Output Reference 285
 Project Properties 76
 project templates 57, 60, 78
 properties 5
 properties element 65
 property bag 177
 Property element 64
 property element 117
 PropertyDescriptor object 349
 PropertyDescriptorCollection
 object 349
 PropertyGroup element 300
 prototype keyword 268
 provider 335–336, 340–341
 Provider connections 379
 provider Web Part 340
 ProviderConnectionPointID
 370
 ProviderID attribute 370
 provisioning provider 376–377

ProvisioningAssembly class 377
 ProvisioningClass class 377
 proxies 185
 public facing web sites 19
 publishing 11, 18–19, 156, 360
 PublishingInfrastructure 235
 PublishingLayoutPage class 19

Q

queries 223, 225
 Query String (URL) Filter Web
 Part 35
 Query String Filter Web
 Part 354, 406
 Query Suggestions 392
 QueryCommand attribute
 265, 268
 QueryCommand function 266
 Quick Access Toolbar 39
 quota 185–186

R

RaisePostDataChangedEvent
 method 144
 RAM 56, 70
 range validator 130
 rapid development 60
 readonly setting 313
 RecolorImage attribute 102
 refactoring 327
 reference assemblies 281
 Refinement Panel Web Part
 36, 392
 reflection 81
 Register directive 91
 RegisterAsyncTask method 227
 registerClass function 269
 RegisterRequiresPostBack 145
 RegisterStartupScript 247
 RegisterTypeMapping
 method 324
 regular expression validation
 control 130
 Related Queries Web Part 36
 Relevant Documents Web
 Part 32, 383
 remote clients 275
 Remove-SPSolution cmdlet 182
 Remove-SPUserSolution
 cmdlet 187
 RemoveTypeMappings
 method 324

- Render method 83
 - RenderContents method 83, 247
 - RenderControl 82
 - replaceable parameters 65, 300, 375
 - ReplaceColor attribute 102
 - ReplaceFont attribute 102
 - reporting 335
 - repository 320
 - requests 227, 242
 - Requirements 56
 - RequiresDesignerPermission attribute 178–179
 - RequiresResources property 161
 - reset 44
 - Reset To Site Definition button 49
 - resolves conflicts 69
 - Resource attribute 119
 - Resource editor 158–159
 - Resource expression 160–161
 - resource files 157
 - resource point 217
 - resources 148, 186, 207
 - Resources folder 158–159
 - Resources.resx 166
 - response 227, 242
 - restore 44
 - reusability 309
 - .resx. *See* Resource Files
 - retracting 69, 195
 - reusable controls 92
 - reusable Web Part 149
 - Ribbon feature
 - enabling Web Parts to use 258–263
 - general explanation of 25–26
 - Insert tab and Web Parts button on 47
 - Page tab and Edit Mobile Page button 294
 - Solutions tab and Upload Solution button on 185
 - Web Part Security in 339
 - Ribbon menu 231
 - Ribbon template 261
 - rich clients 274
 - rich media 280
 - roll back 16
 - RootFile 160
 - RootResources resource file 162–163
 - RSS Viewer Web Part 34, 294, 392
 - runat attribute 363
 - runtime 310, 312
 - Runtime filters 126, 140
 - RuntimeFilter element 145
- S**
-
- Safe Control Entries property 304
 - Safe Control security rule 178
 - SafeAgainstScript attribute 178
 - SafeControl element 178
 - Sandbox compatible Visual Web Part 60
 - Sandbox process 71
 - Sandboxed Code Service 185–186
 - sandboxed solutions 9
 - and <script> tag 247
 - adding images and other resources to 155
 - and asynchronous operations 230
 - changing project to be deployed as full-trust solution 289
 - configuring 186
 - debugging 209–210
 - defined 14
 - deploying and installing 187
 - enabling Assembly Deployment Target property, 191error handling in 207–208
 - exception handling in 217
 - full-trust proxies 187–190
 - overview 172–173, 184–185
 - and Silverlight Web Part 284
 - upgrading 195
 - sandboxed Web Part 316, 374
 - sandboxing 9, 14, 60, 89, 185
 - satellite assemblies resource 158, 165–166
 - SaveViewState 82
 - SaveViewState method 82–83, 87, 108
 - scalability 222
 - Scale element 261
 - scaling 223, 260
 - Schema property 349
 - scoped monitor 222
 - scoped performance monitors 213–214
 - screen 292
 - script files 96
 - Script On Demand function 270
 - ScriptLink controls 96, 168, 246, 276
 - ScriptManager object 244, 247, 272, 353
 - Scrum method 8
 - sealing Web Parts 36, 379
 - Search Action Links 394
 - Search Best Bets Web Part 36, 394
 - Search Box Web Part 36, 394
 - Search Center 36
 - Search Core Results Web Part 36, 395
 - Search Paging 395
 - Search Statistics 395
 - Search Summary 396
 - Search Visual Best Bet 407
 - Search Web Parts 9
 - searching Web Part 36
 - security 172, 185, 190, 362
 - SecurityException exception 192
 - SecurityPermission 194
 - sensitive data 51
 - Sequential Workflow template 59
 - Serializable class 136, 188
 - Server Explorer 77
 - server relative URL 151
 - Server Ribbon Schema 263
 - server-relative URL 151
 - server-side caching 239
 - service application 203
 - Service Locator 310, 315, 320
 - service provider 310
 - service repository 310
 - SetConnectionInterface method 358
 - SetConsumerSchema method 350
 - SetPersonalizationDirty method 199
 - severity level 207
 - Shared mode 113
 - Shared View 42
 - SharedQueryManager 36
 - SharePoint 2003 14, 141
 - SharePoint 2007 75
 - SharePoint 2010 Server 33
 - SharePoint 2010 Server Standard Web Parts 385
 - SharePoint controls 92

- SharePoint Customization
 - Wizard 61, 76, 150
- SharePoint Designer
 - adding pages 48
 - adding Web Parts using 46–47
 - configuring Web Parts using 47–48
 - connecting using 338
 - editing page with 113
 - editing pages and adding zones 48–49
 - exporting pages as ASPX files 361
 - importing and exporting solutions using 49
 - overview 45–46
 - purpose of 23
- SharePoint Developer Extensions 316
- SharePoint Developer Tools 55, 57, 67
- SharePoint Foundation 31, 111, 140, 354, 379–380
- SharePoint List Filter Web Part 35, 354, 406
- SharePoint Logger 332
- SharePoint Mapped folders 150
- SharePoint objects 223
- SharePoint Online 71, 279
- SharePoint Power Tools 14
- SharePoint Project Items 62
- SharePoint Ribbon
 - Generator 258
- SharePoint Sandbox Code Service 209
- SharePoint SDK 92
- SharePoint Server 2010 31
 - Enterprise 379, 399
 - Output Cache 235
 - Standard 379
- SharePoint Service Locator 320, 322
- SharePoint themes 97, 102, 149
- SharePoint Timer Service 304
- SharePoint Web Part 3, 14, 67
- showModalDialog function 257
- ShowToolPane2Wrapper
 - method 118
- Silverlight application 32, 35, 150, 274, 279–280, 310, 314
- Silverlight Application Package 283
- Silverlight Application template 280
- Silverlight Designer 280
- Silverlight SDK 279–280
- Silverlight Web Part 36, 383
 - building Silverlight SharePoint application 280–283
 - custom 287–289
 - enabling custom interaction with SharePoint 289–290
 - input parameters to 283–284
 - overview 279–280
 - packaging 283–285
 - preconfiguring 286–287
- Site Actions menu 47, 74
- Site Aggregator Web Part 35, 393
- Site Assets library 155
- Site Collection owner 185
- Site Collection registered service 322
- Site collections 27, 162, 185
- Site definitions 48, 59, 376
- site pages 18, 360
- Site Pages library 40
- Site Settings 27, 29
- site template 31
- Site Url property 76
- Site Users Web Part 32, 383
- sitemaps 35
- SitePages 17, 41
- Sites in Category Web Part 35, 393
- SKU (stock-keeping units) 379
- slice and dice information 335
- sliding expiration 233
- small screen 291–292
- snapshots 56
- social activities 35
- SOD (Script On Demand) 270
- software engineering 310
- solid state disk 56
- solution 304
- Solution element 375
- Solution Explorer 62, 65, 76, 89, 106, 304, 370
- Solution Gallery 74, 185
- solution manifest 173, 198
- solution package 18, 45, 171–172
- SolutionId attribute 375–376
- solutions 58, 171, 301, 304, 308
- Source mode 65
- SP.Core.debug.js file 276
- SP.Core.js file 276
- SP.debug.js file 276
- SP.js 252
- SP.js file 276
- SP.Ribbon.debug.js file 276
- SP.Ribbon.js file 276
- SP.Runtime.debug.js file 276
- SP.Runtime.js file 276
- SP.SOD.executeFunc
 - function 270
- SP.SOD.registerSod
 - function 270
- SP.UI.DialogOptions object 254
- SP.UI.DialogResult.OK
 - argument 257
- SP.UI.js argument 252
- SP.UI.Notify.addNotification
 - function 252
- SP.UI.Notify.removeNotification
 - function 252
- SP.UI.showModalDialog
 - function 254
- SP.UI.Status namespace 252
- SPBoundField control 95
- SPContext object 192, 224, 366
- SPCriticalCounter 215
- SPCriticalCounter monitor 215
- SPDataSource control 94
- SPDatePickerControl control 96
- SPDeveloperDashboardSettings
 - class 211, 218
- SPDiagnosticsService class 206
- SPDisposeChecker tool 224
- specification 312
- SPFeatureReceiver class 174
- SPFieldUrlValue object 349
- SPFile object 372
- SPGridView control 93
- SPI (SharePoint project items) 63, 304
- SPJobDefinition class 301
- SPJobLockType 302
- SPLimitedWebPartManager
 - control 366, 370, 372
- SPList object 236
- SPMenuItem control 95
- SPMetal tool 225
- SPMobileLabel control 298, 307
- SPMonitoredScope object 212–213
- SPProxyOperation class 188
- SPProxyOperationArgs
 - class 188
- SPProxyWebPartManager
 - control 373
- SPRibbon class 271
- SPSite object 17, 222, 224, 235, 275
- SPSiteDataQuery 227

- SPUCWorkerProcess.exe
 - process 75, 210
 - SPUCWorkerProcessProxy.exe
 - service 210
 - SPUrl prefix 156
 - SPUrlExpressionBuilder
 - class 156
 - SPUserCodeWebPart 375
 - SPUtility class 156, 159, 161, 303
 - SPWeb object 17, 222, 224, 235
 - SPWebApplication 146
 - SPWebCategoryName Web Part 115, 164
 - SPWebConfigModification
 - class 146, 356
 - SPWebPartConnection
 - object 372
 - SPWebPartManager object 153, 365
 - SPWebProvisioningProvider
 - class 377
 - SQL 233
 - SQL Server Analysis Server
 - Filter 35, 354, 406
 - SQL Server Reporting Services 4
 - SQL Server Reporting Services Report Viewer 396
 - stability, of Sharepoint farm 223
 - Start-SPServiceInstance
 - cmdlet 186
 - Startup Item property 76
 - startup scripts 247
 - StartupEventArgs object 284
 - State Machine workflow 59
 - static dashboard 373
 - Static Web Parts 9, 18, 363, 372
 - status bar 26, 43, 242–243, 252
 - status indicators 37
 - Status List 403
 - Stop-SPServiceInstance
 - cmdlet 186
 - streaming 280
 - stressed applications 223
 - strong coupled systems 311
 - strongly typed fields 225
 - STS#0 (SharePoint Team Site) 377
 - STSADM command 180, 189, 210
 - STSDev tool 57, 75
 - Style Library 155
 - Style Sheet template 101
 - style sheets 80
 - subclass 9, 36
 - subcontrols 80
 - Summary Links 35, 397
 - SummaryViewPageUrl 299
 - Supervising Controller 313, 315
 - support 201–202
 - SyncChanges method 84, 127, 132
 - synchronization 227, 230
 - System Account 8
 - System.ComponentModel 137
 - Systems Center Operations Manager 207
- T**
-
- Table of Contents Web Part 35, 397
 - tablet device 292, 294
 - tabs, on Ribbon 26
 - Tag Cloud Web Part 35, 397
 - tag prefix 373
 - Tag Properties pane 113
 - Target Audiences property 126
 - target framework 58
 - targeting Web Parts 111
 - TDD (test-driven development) 8, 312, 327
 - Team Site (STS#0) 377
 - teams 326
 - TemplateAlias 261–262, 267
 - Temporary ASP.NET Files directory 301
 - Test Project template 327
 - test projects 327
 - Test Results window 331
 - test-driven development 8, 312, 327
 - testability 309
 - testing 57, 169, 223, 228, 326
 - TestMethod attribute 329
 - Text Filter Web Part 35, 354, 407
 - Themable folder 168
 - themable style sheet 102
 - theme engine 102
 - Theme Engine API 103
 - themes 66, 80
 - third-party applications 340
 - .thmx file 102
 - ThmxTheme class 103, 214
 - thread safe 235, 238
 - threshold 185, 213
 - throttling levels 207
 - tightly coupled systems 311
 - time format 149
 - Timer control 246
 - timer jobs 5, 208, 301, 366
 - title bar 124
 - Title property 123
 - TitleBarOnly parameter 363
 - TitleIconImageUrl
 - property 105
 - tool pane 84
 - Toolbox 45, 65, 92
 - ToolboxData attribute 93
 - ToolboxItem attribute 93
 - ToolPane object 131
 - Top Answer Web Part 36
 - top federated results 398
 - ToString method 136
 - touch enabled devices 291
 - trace logs 202, 205
 - TrackViewState 81, 83–84
 - Transform method 355
 - translating user interface 157
 - troubleshooting 201, 222
 - trust level 61, 172, 192
 - try block 224
 - try-catch block 216
 - Type attribute 362
 - type converters 136–137
 - type element 65
 - TypeConverter attribute 139
 - TypeDescriptor 350
 - typeof keyword 247
- U**
-
- UI (user interface) 79, 148, 275, 279–280, 282, 290, 313
 - ULS (Unified Logging Service) 203–204
 - ULS logs 203, 205, 214
 - ULS Viewer 204
 - unhandled error 202–203
 - unhandled exception 207, 217
 - Unified Logging Service (ULS) 203–204
 - uninstall cmdlet 183
 - Uninstall-SPSolution cmdlet 182
 - Uninstall-SPUserSolution cmdlet 187
 - unit testing 233, 309–310, 314, 318, 326
 - Unity Application Block 326
 - unmanaged code 235
 - update panel 352
 - Update-SPSolution cmdlet 195

Update-SPUserSolution
 cmdlet 195
 UpdatePanel control
 244, 269, 352
 UpdateProgress control 246
 updates 194
 UpgradeActions element 196
 upgrading
 features 195
 SharePoint 2007 projects
 75–76
 solutions 171
 Web Parts 198
 Upload Document button 29
 Upload Solution button 185
 Uri class 123
 Uri type 121
 Url attribute 64, 155
 URL, storing 121
 usability 80
 User Account Control 57
 user agent 295
 user code proxy 187
 user code solution 185
 user control 60, 63, 66, 89, 221
 user experience 148
 user interface 79, 148, 275,
 279–280, 282, 290, 313
 User Tasks Web Part 32, 384
 UserControlGroup class 133
 UserDottedLine class 133
 UserGeneric class 133
 UserInput class 133
 UserSectionBody class 133
 UserSectionHead class 133
 UserSectionTitle class 133
 UserSelect class 133
 using statement 224

V

v4.master master page 248, 365
 ValidateIsIncludedFilter
 method 142
 validation 130
 validation groups 88
 ValidationGroup property 88
 validators 80, 87, 89
 VaryByParam parameter 234
 verbs 12, 80, 106, 254
 versioning 16–17, 20, 362
 View interface 316
 view state 74, 80, 82, 84, 86
 virtual directory 18, 151
 virtual machine 56

VirtualPath path 21
 VisibilityContext property 271
 Visio Web Access Web Part
 38, 407
 visual appearance 133
 Visual Basic programming
 language 6, 58
 Visual Best Bets Web Part 36
 Visual Studio 2010
 building MVP Web Part 316
 building SharePoint projects
 using 360–365
 building Silverlight applica-
 tions with 280–283
 building Web Parts with
 55–57
 debugging JavaScript 217
 debugging Web Parts
 208–210
 development
 environment 202
 Express 57
 extensibility in 78
 Hello World example 16
 integration of folders 150
 Share Point Designer 46
 Ultimate 57
 visual designer 13–14
 Visual Studio Extensions for
 Windows SharePoint
 Services 3.0 (VSeWss) 57
 Visual Studio solution 60
 Visual Upgrade option 25
 Visual Web Part 13, 59, 63, 70,
 88–89, 119, 150, 244, 341
 VSeWss (Visual Studio Exten-
 sions for Windows Share-
 Point Services 3.0) 57
 .VSIX 78

W

w3wp.exe, IIS Worker
 Process 209
 WCAG 2.0 (Web Content Acces-
 sibility Guidelines 2.0) 104
 Web 2.0 5, 273
 Web Analytics Web Part 34, 398
 Web Compliancy 104
 Web Content Accessibility
 Guidelines (WCAG)
 2.0 104
 web interface 25
 Web Part 3, 12
 Web Part Connections 14, 36,
 41, 86
 Web Part Controls Description
 file Web Part 64, 106,
 174, 368
 Web Part Gallery
 adding preconfigured Silver-
 light Web Parts to 279
 catalog icons in 105
 Closed Web Parts virtual
 group in 44
 editing Web Parts in 29–30
 grouping Web Parts in 30
 overview 12, 27–29
 permissions on Web Parts
 in 30–31
 publishing configured Web
 Part to 49
 Task Count Web Part in 287
 uploading or adding new Web
 Parts to 29
 using Web Part Manager
 with 10
 Web Part preview page in 122
 Web Part Icons 105
 Web Part infrastructure 9, 15
 Web Part Maintenance page 44
 Web Part Manager 9–10, 17, 22,
 81, 112, 153, 256, 360, 365
 Web Part options menu
 25, 106, 346
 Web Part page 9–10, 18, 48, 283,
 292, 359
 Web Part Page Services
 Components 14, 275, 278
 Web Part preview 29, 40, 122
 Web Part project item 71
 Web Part properties
 60, 110–111, 163
 Web Part resource storage
 149, 151
 Web Part Security 339
 Web Part tool pane 112
 Web Part Tools tab 47, 338
 Web Part transformer 355
 Web Part Verbs 12, 80, 106, 254
 Web Part zone 9–10, 19, 40, 48,
 294, 337, 359, 362
 Web Parts Control Description
 file 28–29, 49–50, 71, 116,
 162, 286
 Web Parts Description file 157
 web service endpoint 177
 web services 242, 274

- web.config 29, 69, 96, 140, 145, 174, 180, 197, 208, 240, 244, 276, 356
 - WebBrowsable attribute 112, 114
 - WebBrowsableObject 129
 - WebControl object 6
 - WebDescription attribute 114, 119, 164
 - WebDisplayName attribute 114, 119, 164
 - WebPart class 12, 15, 123, 277
 - .webpart file definition 50
 - WebPartConnection element 368, 373
 - WebPartContextualInfo object 271
 - WebPartDefinition class 277
 - WebPartManager object 141, 365
 - WebPartMobileAdapter class 297
 - WebPartOrder element 369
 - WebPartPage class 9, 19–20
 - WebPartPageUserException exception 123
 - WebPartPreview control 122
 - WebPartRibbonContextualGroup object 271
 - WebPartRibbonTab object 271
 - WebPartStorage attribute 120
 - WebPartTransformer class 355
 - WebPartVerb object 107
 - WebPartVerbCollection collection 107
 - WebPartZone control 363
 - WebPartZoneID attribute 369
 - WebResource assembly attribute 154
 - WebResource.axd 154
 - WebResource.axd handler 154
 - website-relative URL 151
 - Weightless property 307
 - Whereabouts Web Part 294
 - white-box testing method 312, 329
 - Width property 123
 - wiki pages 18, 48, 70, 204, 283, 292, 361, 363
 - Wiki Web Part zone 15, 337
 - WikiEditPage class 19–20
 - Windows 56, 279
 - Windows 7 Phone device 292
 - Windows Communication Foundation (WCF) 276
 - Windows Event Log 202
 - Windows Mobile 294–295
 - Windows Vista 56
 - wkpstd.aspx file 361
 - worker process 208
 - workflows 17
 - WPRESOURCES directory 152
 - WPSC (Web Part Page Services Component) 275
 - WriteEvent method 206
 - WriteTrace method 206
 - .WSP file 63, 67, 172
 - WSPBuilder tool 57, 75
 - WSRP Viewer 38, 408
 - WSS_Custom file 193
 - WSS_Logging database 205
 - WSS_Minimal security level 192
 - WYSIWYG interface 19
- X**
-
- XAML (Extensible Application Markup Language) 280
 - XAP file 32, 279, 283
 - XHTML standard 66, 104
 - XLV (Xslt List View Web Part) 33
 - XML 32, 55, 57, 242–243, 258, 367
 - XML Viewer 32, 384
 - XSLT (eXtensible Stylesheet Language for Transformations) 8, 32–34, 46
 - XSLT List View Web Part 7, 28, 31–32, 40–41, 46, 49, 51, 294, 347, 384
 - XSS (cross-site scripting) 16
- Y**
-
- Yellow Screen of Death 209
- Z**
-
- Zone property 131