

Index

SYMBOLS

`/*` (backslash, asterisk), 78, 146
`//` (double backslashes), 77, 146

A

actions panel, AS 2, 145–146

ActionScript. See AS-Flash API; AS-Flash API mashup

ActionScript 2 (AS 2)

- actions panel, 145–146
- benefits described, 150–151
- classes, 148
- commenting code, 146
- components, 149–150
- described, 145
- events, 150
- mashups outside browser, 151
- methods, 148–149
- mobile mashup possibilities, 151
- `Trace()`, 149

ActionScript 3 (AS 3), 245

`addMarker()`, **Ajax API, 48**

`addMarkerByAddress()`
 AS-Flash API, 6, 201–202, 291–292
 JS-Flash API, 6, 110

`addMarkerByLatLon()`
 AS-Flash API, 202, 292
 JS-Flash API, 110

`addOverlay()`
 Ajax API, 49, 56
 AS-Flash API, 212, 299
 JS-Flash API, 121

`addPanControl()`, **Ajax API, 52**

address, street

- allowing users to view location by, AS-Flash API, 271–275

- centering and zooming by
 - AS-Flash API, 5, 170, 271
 - JS-Flash API, 5, 101–102

- centering by
 - AS-Flash API, 6, 166–170, 270
 - JS-Flash API, 6, 101

- changing
 - Ajax API, 44–46
 - JS-Flash API, 105–107
- markers, adding
 - Ajax API, 48
 - AS-Flash API, 6, 201–202, 291–292
 - JS-Flash API, 6, 110

address, URL

- GeoRSS feed, 60–61, 218–221
- HotJobs RSS request examples, 229–230
- HTTP response, 22
- JSON request, 67–68, 132
- passing to load parameter, 78

`addTool()`
 AS-Flash API, 195, 290
 JS-Flash API, 115

`addTypeControl()`, **Ajax API, 52**

`addWidget()`
 AS-Flash API, 189, 289
 JS-Flash API, 119

`addZoomLong()`, **Ajax API, 53**

`addZoomShort()`, **Ajax API, 53**

Adobe Developer channel, 149

Adobe Dreamweaver trial version, obtaining, 29

Adobe Flash. See also AS-Flash API

- Ajax API versus
 - basic get methods, 325
 - basic set methods and classes, 323–324
 - tools and widgets, 325–326
- array data type, 147
- RIA, 75

Adobe Flash Communication Server, 149

Adobe Flash IDE

- described, 142
- examples, 332–333
- instance, defining, 144–145
- layers and depth, 143–144
- stage, working with, 142–143

Adobe Flash Lite mobile development support, 151

Adobe Flash Player 9, 244

Adobe Flash Remoting, 149

Ajax API

- API classes, including, 29–31
- application ID, obtaining, 27–28
- applications, 18–19
- benefits, 24–25
- control methods
 - adding to map, 53–55
 - `addPanControl()`, 52
 - `addTypeControl()`, 52
 - `addZoomLong()`, 53
 - `addZoomShort()`, 53
 - `removePanControl()`, 53
 - `removeZoomControl()`, 53
- described, 2, 17–18
- examples, 329–330
- Flash method versus
 - basic get methods, 325
 - basic set methods and classes, 323–324
 - markers and overlays, 326–328
 - tools and widgets, 325–326
- initial map parameters, setting, 31–34
- JavaScript
 - commenting code, 20
 - CSS and DHTML, 23–24
 - described, 19–20
 - events, 21
 - functions and methods, 20–21
 - HTML, 17
 - XMLHttpRequest, 21–22
- map address change exercise, 44–46
- map positioning methods and events
 - `disableDragMap()`, 42–43
 - `drawZoomAndCenter()`, 36, 41, 46

- `enableDragMap()`, 42–43
- `endAutoPan`, 42
- `endMapDraw` event (redrawing after `drawZoomAndCenter()`), 42
- `endPan` event, 43
- `getCenterLatLon()`, 43
- `isDragMapEnabled()`, 43
- `onPan` event, 43
- `panToLatLon()` (new `YGeoPoint`, defining), 42
- `panToXY()` (x/y coordinate), 42
- `startAutoPan`, 42
- `startPan` event, 43
- map type methods and events
 - `getCurrentMapType()`, 40
 - `getMapTypes()`, 41
 - `setMapType()`, 40
- map zoom methods and events
 - `changeZoom` event, 36–37
 - `getZoomLevel()`, 37–40
 - `setZoomLevel()`, 5, 36
 - `YEvent` class, 36
- marker methods and classes
 - `addMarker()`, 48
 - `addOverlay()`, 49
 - image marker, adding to map, 50–52
 - `removeMarker()`, 49
 - `removeMarkersAll()`, 49
 - `YImage`, 49
 - `YMarker`, 48–49
- markers, 47
- mashup
 - approach, 64
 - coding, 69–73
 - enhancing, 73–74
 - Flickr, 63–64, 64–68
 - information needed, 68
- methods, 35
- overlay methods and classes
 - `addOverlay()`, 56
 - described, 55
 - GeoRSS overlay, adding, 59–61
 - polyline overlay, adding, 56–58
 - `YGeoRSS`, 58
 - `YPolyline`, 56
- software requirements, 28–29
- album information, MP3 player, 10**
- API classes, including**
 - Ajax API, 29–31
 - JS-Flash API, integrating with, 85–88

application ID

Ajax API, 27–28
 AS-Flash API, 153–154
 Flex, 255–256
 JS Flash API, 83–84
 Yahoo! Maps, 255–256

applications, 18–19**array data type, Flash, 147****AS-Flash API**

application ID, getting, 153–154
 AS 2
 actions panel, 145–146
 benefits, 150–151
 classes, 148
 commenting code, 146
 components, 149–150
 described, 145
 events, 150
 methods, 148–149
 Trace(), 149
 AS 3, 245
 classes, 183
 component methods
 getWidth() and getHeight(), 181
 move(), 180
 setSize(), 180–181
 described, 141, 269
 downloading and installing, 154–155, 257–258
 events
 described, 184–185
 EVENT_MOVE, 185, 288
 EVENT_PAN_START and EVENT_PAN_STOP,
 186–187, 288
 EVENT_ZOOM, 187–188, 288
 EVENT_ZOOM_START and EVENT_ZOOM_STOP,
 188–189, 289
 setCenterByAddress(), 166–170
 examples, 331–332
 Flash IDE
 described, 142
 examples, 332–333
 instance, defining, 144–145
 layers and depth, 143–144
 stage, working with, 142–143
 map API
 with ActionScript, 161–163
 code, adding, 159–161
 default parameters, setting, 158–159
 described, 2, 155

document, creating new Flash, 156
 document, opening, 156
 initializing, 159
 movie, compiling, 156–157
 stage, 156–158
 stage, adding component to, 157–158
 map get methods
 center coordinates, displaying, 280–285
 described, 173, 279–280
 getCenter(), 6, 174, 280
 getCurrentMapViewType(), 174, 285
 getMapViewTypes(), 175–180, 285
 getZoomLevel(), 174, 285
 map objects and methods
 boundaries (setBounds() and getBounds()),
 184, 288
 LatLonRect, 184, 288
 map set methods
 address, allowing users to view location by, 271–275
 geocode success/error events, 167–170
 setCenterByAddress(), 6, 166, 270
 setCenterByAddressAndZoom(), 5, 170, 271
 setCenterByLatLon(), 6, 171, 275–276
 setCenterByLatLonAndZoom(), 171–172,
 276–277
 setCenterByPointDelta(point, duration),
 172–173, 278–279
 setMapViewType(), 173, 279
 setZoomLevel(), 5, 166, 277–278
 marker classes
 CustomImageMarker, 207, 293
 CustomPOIMarker, 6, 203–205, 293–298
 CustomSWFMarker, 6, 13, 207–211, 293
 described, 202
 WaypointMarker, 205–207, 293
 marker methods
 addMarkerByAddress(), 6, 201–202, 291–292
 addMarkerByLatLon(), 202, 292
 removeAllMarkers(), 202, 292
 removeMarker(), 202, 292
 mashup
 described, 223–224
 planning and approach, 224
 overlay classes
 CustomSWFOverlay, 222, 299
 described, 211–212
 GeoRSSOverlay, 218–221, 299
 LocalSearchOverlay, 7, 212–216, 299
 TrafficOverlay, 7, 216–218, 299–304

AS-Flash API (continued)

overlay methods

- `addOverlay(overlay)`, 212, 299
- instance variable, creating, 298–299
- `removeOverlay(overlay)`, 212, 299

software requirements, 154

stage, adding to, 258–260

tool classes

- `CustomSWFTool`, 197–201, 291
- `PanTool`, 196–197, 291

tool methods

- `addTool()`, 195, 290
- `removeTool(tool)`, 195, 290
- `setActiveTool(tool)`, 195, 290

variable types

- case sensitivity, 147
- common listed, 147
- properly typed, examples of, 147

widget classes

- described, 189
- `NavigatorWidget`, 7–8, 190–192, 289
- `SatelliteControlWidget`, 192–193, 290
- `ToolBarWidget`, 193–195, 289

widget methods

- `addWidget()`, 189, 289
- `removeWidget()`, 189, 289

AS-Flash API mashup

- architecting, 231
- described, 223–224
- displaying data on map, 239–241
- enhancing, 241–242
- HotJobs web service
 - described, 224, 229
 - RSS request, 229–230
 - RSS response, 230–231
- layout
 - map instance, adding, 225–226
 - user toolbar, adding, 226–228
- planning and approach, 224
- user interaction, 237–239
- XML
 - loading, 231–234
 - parsing, 234–237

authentication

- Flickr API, 65
- Yahoo! Travel API, 129

authoring tool, Flex Builder 2, 247–249

axes, map

- geo-coding, 6
- `getCenter()` pixel coordinate, 104, 174

B

backslash, asterisk (/*), 78, 146

backslashes, double (//), 77, 146

bird's-eye view, map, 190

Boolean data type, Flash, 147

boundaries (`setBounds()` and `getBounds()`),
AS-Flash API, 184, 288

browser

- AS 2 mashups outside, 151
- XMLHTTP request, 22

button, adding. See also instance

- Flex 2 Component Explorer, 247
- map toggling, 326
- map view buttons example
 - for/each loop, 179
 - list of map view types, 178
 - on/off appearance, 180
 - setting types, 179
 - UI components, 175–177
- `SatelliteControlWidget`, 192

C

callback method

- JSON, 68
- Yahoo! Travel API, 132–133

Capture method, 36

Cascading Style Sheets (CSS)

- controls, Flex Style Explorer, 248–249
- HTML, 79
- JavaScript Ajax API, 23–24

case sensitivity, AS-Flash API, 147

category parameter, HotJobs RSS request, 229

center

- getting
 - Ajax API, 43
 - AS-Flash API, 6, 174, 280
 - JS-Flash API, 6, 104
- setting by address and zoom
 - AS-Flash API, 5, 170, 271
 - JS-Flash API, 5, 101–102
- setting by latitude/longitude
 - AS-Flash API, 6, 171, 275–276
 - JS-Flash API, 6, 102–103
- setting by latitude/longitude and zoom
 - AS-Flash API, 171–172, 276–277
 - JS-Flash API, 103
- setting by point delta
 - AS-Flash API, 172–173, 278–279
 - JS-Flash API, 103–104

centering

- Ajax versus Flash, 324
- AS-Flash API, displaying, 280–285
- on latitude/longitude, 32–33

changeZoom **event, Ajax API, 36–37**

city parameter, HotJobs RSS request, 229

classes

- AS 2, 148
- AS-Flash API, 183

client

- ActionScript, adding, 260–262
- Flex 2 mashup
 - controls, coding, 309
 - data, 307–308
 - layout, 308–309
 - MXML, 307
- Yahoo! Maps, 264–266

closer, (zoom level)

- buttons, adding, 326
- getting, Ajax versus Flash, 325
- JS-Flash API, changing, 99–101
- map API, 4–5
- methods, Ajax versus Flash, 323–324
- start and finish, setting, 94
- user interactions, 166

closer, zooming

- Ajax API
 - changing, 36–37
 - drawing and centering, 36, 41, 46
 - getting, 37–40, 94–95, 174, 285
 - getZoomLevel(), 37–40, 94–95, 174, 285
 - long, 53
 - redrawing after, 42
 - short, 53
- AS-Flash API
 - EVENT_ZOOM, 187–188, 288
 - starting and stopping, 188–189, 289
- JS-Flash API
 - getZoomLevel(), 94–95
 - setZoomLevel(), 94
 - view type, changing, 95–97
 - zoomStart, zoomEnd, 94

code occurrences

- AS 2, 150
- AS-Flash API
 - described, 184–185
 - EVENT_MOVE, 185, 288
 - EVENT_PAN_START and EVENT_PAN_STOP, 186–187, 288

- EVENT_ZOOM, 187–188, 288
- EVENT_ZOOM_START and EVENT_ZOOM_STOP, 188–189, 289
- setCenterByAddress(), 166–170
- JavaScript, 21, 78–79

color-coded areas, 4**commenting code**

- Ajax API, 20
- AS 2, 146
- JavaScript, 77–78

component methods, AS-Flash API

- move(), 180
- setSize(), 180–181

components, Flash IDE, 143**connection, local**

- Flex 2 mashup, 316–317
- MapConnector class, 312–313
- SWFs, 246

container for displaying map tiles, creating, 31**control methods, Ajax API**

- adding to map, 53–55
- addPanControl(), 52
- addTypeControl(), 52
- addZoomLong(), 53
- addZoomShort(), 53
- removePanControl(), 53
- removeZoomControl(), 53

controls

- Flex 2 mashup, coding, 309
- Flex Style Explorer, 248–249

coordinates, latitude/longitude

- Ajax versus Flash methods, 324
- boundaries, AS-Flash, 184
- center, returning (getCenterLatLon()), 43
- centering on
 - AS-Flash API, 171
 - described, 32–33
 - Flex 2 method (setCenterByLatLon()), 275–276
- centering on and zooming into
 - AS-Flash API, 171–172
 - Flex 2 method (setCenterByLatLonAndZoom()), 276–277
- geo-coding, 6, 166–170
- markers, adding, 48

coordinates, x,y

- geo-coding, 6
- getCenter() pixel coordinate, 104, 174

country parameter, HotJobs RSS request, 229

CSS (Cascading Style Sheets)

- controls, Flex Style Explorer, 248–249
- HTML, 79
- JavaScript Ajax API, 23–24
- CustomImageMarker
 - AS-Flash API, 207, 293
 - JS-Flash API, 111
- customization, user**
 - Ajax versus Flash API, 325–326
 - AS-Flash API
 - addTool(), 195, 290
 - CustomSWFTool, 197–201, 291
 - mashup, 237–239
 - PanTool, 196–197, 291
 - removeTool(), 195, 290
 - setActiveTool(), 195, 290
 - Flex 2 mashup client, 309–310
 - JS-Flash API
 - addTool(), 115
 - CustomSWFTool, 118–119
 - PanTool, 115–118
 - removeTool(), 115
 - setActiveTool(), 115
 - trip searches, 130–131
 - views
 - choosing, 175–180
 - toggling among, 120, 174
 - zoom level, 166
- customization, user interaction events**
 - AS 2, 150
 - AS-Flash API
 - described, 184–185
 - EVENT_MOVE, 185, 288
 - EVENT_PAN_START and EVENT_PAN_STOP, 186–187, 288
 - EVENT_ZOOM, 187–188, 288
 - EVENT_ZOOM_START and EVENT_ZOOM_STOP, 188–189, 289
 - setCenterByAddress(), 166–170
 - JavaScript, 21, 78–79
 - user toolbar, 226–228
- CustomPOIMarker
 - AS-Flash API, 6, 203–205, 293–298
 - JS-Flash API, 6, 110–111
- CustomSWFMarker
 - AS-Flash API, 6, 13, 207–211, 293
 - JS-Flash API, 6, 13, 111–112
- CustomSWFOverlay, **222, 299**
- CustomSWFTool
 - AS-Flash API, 197–201, 291
 - JS-Flash API, 118–119

D

- data, Flex 2 mashup, 307–308**
- date data type, Flash, 147**
- default parameters, AS (ActionScript) Flash API, setting, 158–159**
- deleting**
 - all markers
 - Ajax API, 49
 - AS-Flash API, 202, 292
 - JS-Flash API, 112
 - overlay
 - AS-Flash API, 212, 299
 - JS-Flash API, 121
 - pan control, Ajax API, 53
 - specific marker
 - Ajax API, 49
 - AS-Flash API, 202, 292
 - JS-Flash API, 112
 - tools, user interaction
 - AS-Flash API, 195, 290
 - JS-Flash API, 115
 - widgets
 - AS-Flash API, 189, 289
 - JS-Flash API, 119
 - zoom control, Ajax API, 53
- design**
 - AS-Flash API mashup
 - map instance, adding, 225–226
 - user toolbar, adding, 226–228
 - Flex 2 mashup, 308–309
- developers**
 - Adobe Developer channel, 149
 - commenting code for other
 - Ajax API, 20
 - AS 2, 146
 - JavaScript, 77–78
- DHTML (Dynamic HyperText Markup Language)**
 - JavaScript, 23–24
 - JS-Flash API, CSS and, 79–80
- disableDragMap(), **Ajax API, 42–43**
- disabling code for commenting**
 - Ajax API, 20
 - AS 2, 146
 - JavaScript, 77–78
- displaying AS (ActionScript) Flash API mashup data on map, 239–241**
- DOM (document object model), 20**
- double backslashes (//), 77, 146**
- dragability, map**
 - checking status, 43
 - described, 326

disabling, 42–43

enabling, 42–43

draw methods

Ajax API

`drawZoomAndCenter()`, 36, 41, 46

`endMapDraw` event (redrawing after
`drawZoomAndCenter()`), 42

Flash, 211

`drawZoomAndCenter()`, **Ajax API, 36, 41, 46**

Dynamic HyperText Markup Language (DHTML)

JavaScript, 23–24

JS-Flash API, CSS and, 79–80

E

Eclipse IDE

Flash code, 145

MXML files, 249

ECMAScript language, 20

employment, finding

AS-Flash API mashup

described, 224, 229

RSS request, 229–230

RSS response, 230–231

mashup source, 13

`enableDragMap()`, **Ajax API, 42–43**

`endAutoPan`, **Ajax API, 42**

`endMapDraw` event (redrawing after
`drawZoomAndCenter()`), **Ajax API, 42**

`endPan` event, **Ajax API, 43**

enlarging

Ajax API

changing, 36–37

drawing and centering, 36, 41, 46

getting, 37–40, 94–95, 174, 285

`getZoomLevel()`, 37–40, 94–95, 174, 285

long, 53

redrawing after, 42

short, 53

AS-Flash API

`EVENT_ZOOM`, 187–188, 288

starting and stopping, 188–189, 289

JS-Flash API

`getZoomLevel()`, 94–95

`setZoomLevel()`, 94

view type, changing, 95–97

`zoomStart`, `zoomEnd`, 94

enlarging view (zoom level)

buttons, adding, 326

getting, Ajax versus Flash, 325

JS-Flash API, changing, 99–101

map API, 4–5

methods, Ajax versus Flash, 323–324

start and finish, setting, 94

user interactions, 166

zoombar, `NavigatorWidget`, 190

`zoomEnd`, JS-Flash API, 94

Ent, Peter (Adobe developer), 246

event calendar, 13

event listeners, Flex 2 mashup, 317

`EVENT_MOVE`, **AS-Flash API, 185, 288**

`EVENT_PAN_START` and `EVENT_PAN_STOP`, **AS-Flash API, 186–187, 288**

events

AS 2, 150

AS-Flash API

described, 184–185

`EVENT_MOVE`, 185, 288

`EVENT_PAN_START` and `EVENT_PAN_STOP`,
186–187, 288

`EVENT_ZOOM`, 187–188, 288

`EVENT_ZOOM_START` and `EVENT_ZOOM_STOP`,
188–189, 289

`setCenterByAddress()`, 166–170

JavaScript, 21, 78–79

`EVENT_ZOOM`, **AS-Flash API, 187–188, 288**

`EVENT_ZOOM_START` and `EVENT_ZOOM_STOP`,
AS-Flash API, 188–189, 289

Extensible Markup Language. See XML

external code, including in JavaScript, 77

F

field

local connection events, 318

map instance events, 317

Finance, Yahoo!, 18

Flash

Ajax API versus

basic get methods, 325

basic set methods and classes, 323–324

tools and widgets, 325–326

array data type, 147

RIA, 75

Flash Communication Server, 149

Flash IDE

described, 142

examples, 332–333

instance, defining, 144–145

layers and depth, 143–144

stage, working with, 142–143

Flash Lite mobile development support, 151

Flash Player 9, 244

Flash Remoting, 149

Flex

- authoring tool, Flex Builder 2, 247–249
- described, 243
- getting, 246
- history, 244–245
- integrating, 245–246
- map API, 2
- MapConnector class, 262–264
- MXML, 296
- RIA, 243
- Yahoo! Maps
 - application ID, 255–256
 - AS-Flash API, downloading and installing, 257–258
 - benefits, 252
 - software requirements, 256–257

Flex 2 Component Explorer, 247

Flex 2 mashup

- client
 - controls, coding, 309
 - data, 307–308
 - layout, 308–309
 - MXML, 307, 310–312
 - user interaction, 309–310
- concept, 305–306
- enhancing, 321–322
- examples, 332–333
- finalizing, 320–321
- local connection, MapConnector class, 312–313
- planning and approach, 306–307
- video, Flash client
 - ActionScript, 316, 318–320
 - event listeners, 317
 - field local connection events, 318
 - field map instance events, 317
 - importing classes, 316
 - local connection, 316–317
- video media, converting to Flash Video, 314–315

Flex Style Explorer, 248

Flickr

- Ajax, 18
- mashup source, 12–13
- trip journal, adding photos to, 129

Flickr API

- authentication, 65
- described, 63–64
- JSON
 - callback, 68
 - request, making, 67–68

methods

- `flickr.people.getPublicPhotos` call, 67
- `flickr.photos.search` REST call, 66
- photos, geo-tagging, 64–65
- `flickr.people.getPublicPhotos` call, 67
- `flickr.photos.search` REST call, 66

FLV files, 149

for/each loop button, 179

Foronda, Nahuel (asfusion.com developer), 246

functions

- Ajax API, 20–21
- JavaScript, 78

G

geo-coding

- axes, map, 6
- latitude/longitude, 6, 166–170
- success/error events, 167–170

GeoRSSOverlay

- Ajax API, 59–61
- AS-Flash API, 218–221, 299
- described, 11–12

get methods

- Ajax versus Flash API, 325
- boundaries, AS-Flash API, 184, 288
- center
 - AS-Flash API, 6, 174, 280
 - JS-Flash API, 6, 104
- center by latitude and longitude, Ajax API, 43
- center coordinates, AS-Flash API, 280–285
- described, 37
- map type, Ajax API, 40, 41
- map view
 - AS-Flash API, 174, 175–180, 285
 - JS-Flash API, 98
- width and height, AS-Flash API, 181
- Yahoo! Travel API, 131
- zoom level
 - Ajax API, 37–40
 - AS-Flash API, 174, 285
 - JS-Flash API, 94–95

`getBounds()`, AS-Flash API, 184, 288

`getCenter()`

- AS-Flash API, 6, 174, 280
- JS-Flash API, 6, 104
- pixel coordinate, x/y coordinate, 104

`getCenterLatLon()`, Ajax API, 43

`getCurrentMapType()`, Ajax API, 40

`getCurrentMapViewType()`

- AS-Flash API, 174, 285
- JS-Flash API, 98

`getMapTypes()`, **Ajax API, 41**
`getMapViewTypes()`
 AS-Flash API, 175–180, 285
 JS-Flash API, 98–99
`getTrip`, Yahoo! Travel API, 131
`getWidth()` and `getHeight()`, **AS-Flash API, 181**
`getZoomLevel()`
 Ajax API, 37–40
 AS-Flash API, 174, 285
 JS-Flash API, 94–95

H

height, map, AS-Flash, 181

HotJobs web service

AS-Flash API mashup
 described, 224, 229
 RSS request, 229–230
 RSS response, 230–231
 mashup source, 13

HTML (HyperText Markup Language)

Ajax API, 17
 container for displaying map tiles, creating, 31
 CSS, 79
 JavaScript, 19
 JS-Flash API, integrating with
 API classes, including, 85–88
 map loading, 138–139
 map parameters, setting initial, 88–90
 marker object, 48–49

HTTP (HyperText Transfer Protocol) response, 22

hybrid view, 4

I

ID, application

Ajax API, 27–28
 AS-Flash API, 153–154
 Flex, 255–256
 JS Flash API, 83–84
 Yahoo! Maps, 255–256

image

map and satellite, 3–4
 marker
 adding in Flash and Ajax, 50–52, 328
 AS-Flash API, 207, 293
 JS-Flash API, 111
 types, Flash IDE, 142
 YImage, Ajax API, 49

importing classes, Flex 2 mashup, 316

index, waypoints, 205–207

initial map parameters, setting, Ajax API, 31–34

initializing AS-Flash API, 159

instance

AS-Flash API
 creating, 298–299
 mashup, adding, 225–226
 Flash IDE, defining, 144–145

interactivity

Ajax versus Flash API, 325–326
 AS 2, 150
 AS-Flash API
`addTool()`, 195, 290
`CustomSWFTool`, 197–201, 291
 described, 184–185
`EVENT_MOVE`, 185, 288
`EVENT_PAN_START` and `EVENT_PAN_STOP`,
 186–187, 288
`EVENT_ZOOM`, 187–188, 288
`EVENT_ZOOM_START` and `EVENT_ZOOM_STOP`,
 188–189, 289
 mashup, 237–239
`PanTool`, 196–197, 291
`removeTool()`, 195, 290
`setActiveTool()`, 195, 290
`setCenterByAddress()`, 166–170
 Flex 2 mashup client, 309–310
 JavaScript, 21, 78–79
 JS-Flash API
`addTool()`, 115
`CustomSWFTool`, 118–119
`PanTool`, 115–118
`removeTool()`, 115
`setActiveTool()`, 115
 trip searches, 130–131
 views
 choosing, 175–180
 toggling among, 120, 174
 zoom level, 166

Internet Explorer (Microsoft), XMLHTTP request, 22

`isDragMapEnabled()`, **Ajax API, 43**

J

JavaScript. See also JS-Flash API; JavaScript Object Notation (JSON)

Ajax API
 commenting code, 20
 CSS and DHTML, 23–24
 described, 19–20
 events, 21
 functions and methods, 20–21
 HTML, 17
 XMLHttpRequest, 21–22

JavaScript (continued)

- commenting code, 77–78
- events, 78–79
- external code, including, 77
- functions and methods, 78
- HTML container for displaying map tiles, creating, 31

JavaScript Object Notation (JSON)

- Flickr API request, making, 67–68
- Yahoo! Travel API
 - described, 131
 - request, making, 132

job openings, finding

- AS-Flash API mashup
 - described, 224, 229
 - RSS request, 229–230
 - RSS response, 230–231
- mashup source, 13

JS-Flash API

- application ID, getting, 83–84
- benefits, 80
- CSS and DHTML, 79–80
- described, 75–76
- examples, 330–331
- HTML, integrating with
 - API classes, including, 85–88
 - map paramaters, setting initial, 88–90

JavaScript

- commenting code, 77–78
- described, 76–77
- events, 78–79
- external code, including, 77
- functions and methods, 78
- map positioning methods and events
 - address, changing, 105–107
 - `getCenter()`, 6, 104
 - `mapGeocodeSuccess`, `mapGeocodeError` events, 102
 - move event, 104
 - `setCenterByAddress()`, 6, 101
 - `setCenterByAddressAndZoom()`, 5, 101–102
 - `setCenterByLatLon()`, 6, 102–103
 - `setCenterByLatLonAndZoom()`, 103
 - `setCenterByPointDelta()`, 103–104
- map type methods and events
 - `getCurrentMapViewType()`, 98
 - `getMapViewTypes()`, 98–99
 - `mapTypeChanged` event, 98
 - `setMapViewType()`, 97–98
 - zoom level, changing, 99–101

map zoom methods and events

- `getZoomLevel()`, 94–95
- `setZoomLevel()`, 5, 94
- view type, changing, 95–97
- `zoomStart`, `zoomEnd`, 94

marker methods and classes

- `addMarkerByAddress()`, 6, 110
- `addMarkerByLatLon()`, 110
- `CustomImageMarker`, 111
- `CustomPOIMarker`, 6, 110–111
- `CustomSWFMarker`, 6, 111–112
- map, adding variety of markers to, 112–114
- `removeAllMarkers()`, 112
- `removeMarker()`, 112
- `WayPointMarker`, 111

markers, 109

mashup

- coding, 133–139
- described, 127
- enhancing, 139–140
- planning and approach, 128
- Yahoo! Travel API, 128–133

overlay methods and classes

- `addOverlay(overlay)`, 121
- `CustomSWFOverlay`, 125
- `GeoRSSOverlay`, 124
- `LocalSearchOverlay`, 7, 121–122
- `removeOverlay(overlay)`, 121
- `TrafficOverlay`, 7, 122–124

software requirements, 84–85

tool methods and classes

- `addTool()`, 115
- `CustomSWFTool`, 118–119
- `PanTool`, 115–118
- `removeTool(tool)`, 115
- `setActiveTool(tool)`, 115

transitioning between APIs, 85

widget methods

- `addWidget()`, 119
- `NavigatorWidget`, 7–8, 94, 119–120
- `removeWidget()`, 119
- `SatelliteControlWidget`, 120
- `ToolBarWidget`, 120

JSON (JavaScript Object Notation)

- Flickr API request, making, 67–68
- Yahoo! Travel API
 - described, 131
 - request, making, 132

K**keyframes, 142–143****keywords parameter, HotJobs RSS request, 229****L****label**

blank marker, adding to, 48–49

layer of map, 4

latitude/longitude

Ajax versus Flash methods, 324

boundaries, AS-Flash, 184

center, returning (`getCenterLatLon()`), 43

centering on

AS-Flash API, 171

described, 32–33

Flex 2 method (`setCenterByLatLon()`), 275–276

centering on and zooming into

AS-Flash API, 171–172

Flex 2 method (`setCenterByLatLonAndZoom()`), 276–277

geo-coding, 6, 166–170

markers, adding, 48

`LatLonRect`, **AS-Flash API, 184, 288****layer, labeling, 4****layout**

AS-Flash API mashup

map instance, adding, 225–226

user toolbar, adding, 226–228

Flex 2 mashup, 308–309

local connection

Flex 2 mashup, 316–317

MapConnector class, 312–313

SWFs, 246

local search database, Yahoo!, 121–122**local search mashup source, 15**`LocalSearchOverlay`

AS-Flash API, 7, 212–216, 299

JS-Flash API, 7, 121–122

longitude/latitude

Ajax versus Flash methods, 324

boundaries, AS-Flash, 184

center, returning (`getCenterLatLon()`), 43

centering on

AS-Flash API, 171

described, 32–33

Flex 2 method (`setCenterByLatLon()`), 275–276

centering on and zooming into

AS-Flash API, 171–172

Flex 2 method (`setCenterByLatLonAndZoom()`), 276–277

geo-coding, 6, 166–170

markers, adding, 48

M**map address change exercise, Ajax API, 44–46****map and satellite imagery, views, 3–4****map API**

AJAX, 2

AS-Flash, 2

AS-Flash API

with ActionScript, 161–163

code, adding, 159–161

creating new Flash, 156

default parameters, setting, 158–159

described, 155

document,

initializing, 159

movie, compiling, 156–157

stage, 156–158

described, 1

Flex, 2

geo-coding, 6

map and satellite imagery, 3–4

markers and custom markers, 6–7

navigation, 7–8

overlays, 7

panning, 5–6

technology, 2–3

zooming, 4–5

`Map` (container, `appid`, `location`, `zoom`, `mapViewType`) **method, 323****map get methods, AS-Flash API**

center coordinates, displaying, 280–285

described, 173, 279–280

`getCenter()`, 6, 174, 280`getCurrentMapViewType()`, 174, 285`getMapViewTypes()`, 175–180, 285`getZoomLevel()`, 174, 285**map objects and methods, AS-Flash API**boundaries (`setBounds()` and `getBounds()`), 184, 288`LatLonRect` (`minLat`, `minLon`, `maxLat`, `maxLon`), 184**map paramaters, setting initial, JS (JavaScript)-Flash API, integrating with, 88–90**

map positioning methods and events

Ajax API

- `disableDragMap()`, 42–43
- `drawZoomAndCenter()`, 36, 41, 46
- `enableDragMap()`, 42–43
- `endAutoPan`, 42
- `endMapDraw` event (redrawing after `drawZoomAndCenter()`), 42
- `endPan` event, 43
- `getCenterLatLon()`, 43
- `isDragMapEnabled()`, 43
- `onPan` event, 43
- `panToLatLon()` (new `YGeoPoint`, defining), 42
- `panToXY()` (x/y coordinate), 42
- `startAutoPan`, 42
- `startPan` event, 43

JS-Flash API

- address, changing, 105–107
- `getCenter()`, 6, 104
- `mapGeocodeSuccess`, `mapGeocodeError` events, 102
- `move` event, 104
- `setCenterByAddress()`, 6, 101
- `setCenterByAddressAndZoom()`, 101–102
- `setCenterByLatLon()`, 6, 102–103
- `setCenterByLatLonAndZoom()`, 103
- `setCenterByPointDelta()`, 103–104

map set methods, AS-Flash API

- address, allowing users to view location by, 271–275
- geocode success/error events, 167–170
- `setCenterByAddress()`, 6, 166, 270
- `setCenterByAddressAndZoom()`, 5, 170, 271
- `setCenterByLatLon()`, 6, 171, 275–276
- `setCenterByLatLonAndZoom()`, 276–277
- `setCenterByPointDelta` (point, duration), 172–173, 278–279
- `setMapViewType()`, 173, 279
- `setZoomLevel()`, 5, 166, 277–278

map type methods and events

Ajax API

- `getCurrentMapType()`, 40
- `getMapTypes()`, 41
- `setMapType()`, 40

JS-Flash API

- `getCurrentMapViewType()`, 98
- `getMapViewTypes()`, 98–99
- `mapTypeChanged` event, 98
- `setMapViewType()`, 97–98
- zoom level, changing, 99–101

map view buttons example

- for/each loop, 179
- list of map view types, 178

- setting types, 179

- UI components, 175–177

map zoom methods and events

Ajax API

- `changeZoom` event, 36–37
- `getZoomLevel()`, 37–40
- `setZoomLevel()`, 36
- `YEvent` class, 36

JS-Flash API

- `getZoomLevel()`, 94–95
- `setZoomLevel()`, 94
- view type, changing, 95–97
- `zoomStart`, `zoomEnd`, 94

MapConnector class

- ActionScript coding, 262–264

- Flex 2 mashup, 312–313

- `mapGeocodeSuccess`, `mapGeocodeError` events, 102

- maps API. See Yahoo! Maps**

- Maps API Application Gallery, 16**

- `mapTypeChanged` event, **JS-Flash API, 98**

marker methods and classes

Ajax API

- `addMarker()`, 48
- `addOverlay()`, 49
- image marker, adding to map, 50–52
- `removeMarker()`, 49
- `removeMarkersAll()`, 49
- `YImage`, 49
- `YMarker`, 48–49

AS-Flash API

- `addMarkerByAddress()`, 6, 201–202, 291–292
- `addMarkerByLatLon()`, 202, 292
- `CustomImageMarker`, 207, 293
- `CustomPOIMarker`, 6, 203–205, 293–298
- `CustomSWFMarker`, 6, 13, 207–211, 293
- described, 202
- `removeAllMarkers()`, 202, 292
- `removeMarker` (marker), 202, 292
- `WaypointMarker`, 205–207, 293

JS-Flash API

- `addMarkerByAddress()`, 6, 110
- `addMarkerByLatLon()`, 110
- `CustomImageMarker`, 111
- `CustomPOIMarker`, 6, 110–111
- `CustomSWFMarker`, 6, 111–112
- map, adding variety of markers to, 112–114
- `removeAllMarkers()`, 112
- `removeMarker()`, 112
- `WayPointMarker`, 111

- marker object, **HTML, 48–49**

markers

- address, adding, 48
- Ajax API, 47
- JS-Flash API, 109
- map API, 6–7

mashup

Ajax

- approach, 64
- coding, 69–73
- enhancing, 73–74
- Flickr, 63–64

AS 2, 151

described, 9–10

JS-Flash API

- coding, 133–139
- enhancing, 139–140
- Yahoo! Travel API, 128–133

REST, 10–11

RSS and GeoRSS feeds, 11–12

sources

- Flickr, 12–13
- HotJobs, 13
- local search, 15
- traffic, 14
- Upcoming.org, 13
- weather, 14

XML, 10

Yahoo! developer support

- Maps API Application Gallery, 16
- message group, 15
- YDN (Yahoo! Developer Network), 15

mashup, AS-Flash API

- architecting, 231
- described, 223–224
- displaying data on map, 239–241
- enhancing, 241–242
- HotJobs web service
 - described, 224, 229
 - RSS request, 229–230
 - RSS response, 230–231
- layout
 - map instance, adding, 225–226
 - user toolbar, adding, 226–228
- planning and approach, 224
- user interaction, 237–239
- XML
 - loading, 231–234
 - parsing, 234–237

mashup, Flex 2

client

- controls, coding, 309
- data, 307–308

- layout, 308–309
- MXML, 307, 310–312
- user interaction, 309–310

- concept, 305–306
- enhancing, 321–322
- examples, 332–333
- finalizing, 320–321
- local connection, MapConnector class, 312–313
- planning and approach, 306–307
- video, Flash client
 - ActionScript, 316, 318–320
 - event listeners, 317
 - field local connection events, 318
 - field map instance events, 317
 - importing classes, 316
 - local connection, 316–317
 - video media, converting to Flash Video, 314–315

masking, Flash IDE, 143–144**media, converting to Flash Video, 314–315****Mercator map projection model, 3****message group, Yahoo! developer support, 15****methods**

- Ajax API, 35
- AS 2, 148–149
- Flickr API
 - flickr.people.getPublicPhotos call, 67
 - flickr.photos.search REST call, 66
- JavaScript, 20–21, 78
- Yahoo! Travel API
 - getTrip, 131
 - tripSearch, 130–131

Microsoft Internet Explorer, XMLHttpRequest request, 22**middle. See center; centering****mini-map**

- AS-Flash API, 7–8, 190–192, 289
- JS-Flash API, 7–8, 94, 119–120

mobile mashup possibilities, AS 2 (ActionScript 2), 151**mouse interaction**

- Ajax versus Flash API, 325–326
- AS-Flash API
 - addTool(), 195, 290
 - CustomSWFTool, 197–201, 291
 - PanTool, 196–197, 291
 - removeTool(), 195, 290
 - setActiveTool(), 195, 290
- JS-Flash API
 - addTool(), 115
 - CustomSWFTool, 118–119
 - PanTool, 115–118
 - removeTool(), 115
 - setActiveTool(), 115

`move()`, **AS-Flash API, 180**

`move` **event, JS-Flash API, 104**

moving view

- Ajax versus Flash methods, 324
- automatic
 - ending, 42
 - starting, 42
- begin, 186–187
- control
 - adding, 52
 - removing, 53
- to latitude/longitude point, 42
- start, 43
- stop, 43, 186–187
- tool, user interaction
 - AS-Flash API, 196–197, 291
 - JS-Flash API, 115–118
 - new `YGeoPoint`, defining, 42
- views, 5–6

movie clip, adding. See instance

movie, compiling, 156–157

MovieClip data type, Flash, 147

MP3 player

- album information, 10
- AS-Flash support, 149

music album information, MP3 player, 10

MXML

- described, 243
- Flex 2 mashup, 307
- Flex client
 - AS-Flash API, 271–272, 280–284
 - completing, 310–312
 - controls and layout, 309
 - described, 296
 - user interaction, 309–310
- Yahoo! Maps, 264–266
- Yahoo! Maps
 - coding and ActionScript, 250–252
 - described, 249
 - Flex client, 264–266

N

NavigatorWidget

- AS-Flash API, 7–8, 190–192, 289
- JS-Flash API, 7–8, 94, 119–120

null data type, Flash, 147

number data type, Flash, 147

O

object data type, Flash, 147

objects and methods, AS-Flash API

- boundaries (`setBounds()` and `getBounds()`), 184, 288
- `LatLonRect`, 288
- `LatLonRect (minLat, minLon, maxLat, maxLon)`, 184

occurrences, code

AS 2, 150

AS-Flash API

- described, 184–185
- `EVENT_MOVE`, 185, 288
- `EVENT_PAN_START` and `EVENT_PAN_STOP`, 186–187, 288
- `EVENT_ZOOM`, 187–188, 288
- `EVENT_ZOOM_START` and `EVENT_ZOOM_STOP`, 188–189, 289
- `setCenterByAddress()`, 166–170
- JavaScript, 21, 78–79

on/off appearance, map view buttons, 180

onPan event, Ajax API, 43

overlay methods and classes

Ajax API

- `addOverlay()`, 56
- described, 55
- GeoRSS overlay, adding, 59–61
- polyline overlay, adding, 56–58
- `YGeoRSS`, 58
- `YPolyline`, 56

AS-Flash API

- `addOverlay(overlay)`, 212, 299
- `CustomSWFOverlay`, 222, 299
- `GeoRSSOverlay`, 218–221, 299
- instance variable, creating, 298–299
- `LocalSearchOverlay`, 7, 212–216, 299
- `removeOverlay(overlay)`, 212, 299
- `TrafficOverlay`, 7

JS-Flash API

- `addOverlay(overlay)`, 121
- `LocalSearchOverlay`, 7, 121–122
- `removeOverlay(overlay)`, 121
- `TrafficOverlay`, 7

overlays

- AS-Flash API, 211–212
- map API, 7

P**panning**

- Ajax versus Flash methods, 324
- automatic
 - ending, 42
 - starting, 42
- begin, 186–187
- control
 - adding, 52
 - removing, 53
- to latitude/longitude point, 42
- start, 43
- stop, 43, 186–187
- tool, user interaction
 - AS-Flash API, 196–197, 291
 - JS-Flash API, 115–118
 - new `YGeoPoint`, defining, 42
- views, 5–6

panoramic shot, 5

`panToLatLon()` (**new** `YGeoPoint`, **defining**),

Ajax API, 42**PanTool**

- AS-Flash API, 196–197, 291
- JS-Flash API, 115–118
- new `YGeoPoint`, defining, 42

`panToXY()` (**x/y coordinate**), **Ajax API, 42**

parameter, passing URL to load, 78**passing URL to load parameter, 78****photo site, Flickr**

- Ajax, 18
- mashup source, 12–13
- trip journal, adding photos to, 129

photo site, Flickr API

- authentication, 65
- described, 63–64
- JSON
 - callback, 68
 - request, making, 67–68
- methods
 - `flickr.people.getPublicPhotos` call, 67
 - `flickr.photos.search` REST call, 66
- photos, geo-tagging, 64–65

picture

- map and satellite, 3–4
- marker
 - adding in Flash and Ajax, 50–52, 328
 - AS-Flash API, 207, 293
 - JS-Flash API, 111
- types, Flash IDE, 142
- `YImage`, Ajax API, 49

POI (point of interest)

- AS-Flash API, 6, 203–205, 293–298
- JS-Flash API, 6, 110–111

polyline overlay, Ajax API, 56–58**positioning methods and events****Ajax API**

- `disableDragMap()`, 42–43
- `drawZoomAndCenter()`, 36, 41, 46
- `enableDragMap()`, 42–43
- `endAutoPan`, 42
- `endMapDraw` event (redrawing after `drawZoomAndCenter`), 42
- `endPan` event, 43
- `getCenterLatLon()`, 43
- `isDragMapEnabled()`, 43
- `onPan` event, 43
- `panToLatLon()` (**new** `YGeoPoint`, **defining**), 42
- `panToXY()` (**x/y coordinate**), 42
- `startAutoPan`, 42
- `startPan` event, 43

JS-Flash API

- address, changing, 105–107
- `getCenter()`, 6, 104
- `mapGeocodeSuccess`, `mapGeocodeError` events, 102
- `move` event, 104
- `setCenterByAddress()`, 6, 101
- `setCenterByAddressAndZoom()`, 101–102
- `setCenterByLatLon()`, 6, 102–103
- `setCenterByLatLonAndZoom()`, 103
- `setCenterByPointDelta()`, 103–104

projection map technology, 2**properly typed variables, AS (ActionScript) Flash API, 147****R****Radario.com, 18****Really Simple Syndication. See RSS feed****reference on map**

- AS-Flash API, 205–207, 293
- JS-Flash API, 111
- `removeAllMarkers()`
 - Ajax API, 49
 - AS-Flash API, 202, 292
 - JS-Flash API, 112
- `removeMarker()`
 - Ajax API, 49
 - AS-Flash API, 202, 292
 - JS-Flash API, 112

removeOverlay()

`removeOverlay()`
AS-Flash API, 212, 299
JS-Flash API, 121

`removePanControl()`, **Ajax API, 53**

`removeTool()`
AS-Flash API, 195, 290
JS-Flash API, 115

`removeWidget()`
AS-Flash API, 189, 289
JS-Flash API, 119

`removeZoomControl()`, **Ajax API, 53**

removing

all markers
Ajax API, 49
AS-Flash API, 202, 292
JS-Flash API, 112

overlay
AS-Flash API, 212, 299
JS-Flash API, 121

pan control, Ajax API, 53

specific marker
Ajax API, 49
AS-Flash API, 202, 292
JS-Flash API, 112

tools, user interaction
AS-Flash API, 195, 290
JS-Flash API, 115

widgets
AS-Flash API, 189, 289
JS-Flash API, 119

zoom control, Ajax API, 53

request

Flickr API, 67–68
Yahoo! Travel API, 132

resizing, Ajax versus Flash methods, 324

REST (Representational State Transfer) mashup, 10–11

RIA (rich internet applications)

Flash, 75
Flex, 243

RSS (Really Simple Syndication) feed

controlling, Ajax versus Flash, 328
mashup, 11–12
request, 229–230
response, 230–231

S

satellite views, 3–4

`SatelliteControlWidget`
AS-Flash API, 192–193, 290
button, adding, 192
JS-Flash API, 120

scaling map technology, 3

set methods and classes

active tools
AS-Flash API, 195, 290
JS-Flash API, 115

boundaries, AS (ActionScript) Flash API, 184, 288

center by address, then zoom
AS-Flash API, 5, 170, 271
JS-Flash API, 5, 101–102

center by latitude and longitude
AS-Flash API, 6, 171, 275–276
JS-Flash API, 6, 102–103

center by latitude and longitude, then zoom
AS-Flash API, 171–172, 276–277
JS-Flash API, 103

center by point delta
AS-Flash API, 172–173, 278–279
JS-Flash API, 103–104

Flash versus Ajax API, 323–324

map type, Ajax API, 40

size, AS-Flash API, 180–181

view type
AS-Flash API, 173, 279
JS-Flash API, 97–98

zoom level
Ajax API, 36
AS-Flash API, 5, 166, 277–278
JS-Flash API, 5, 94

`setActiveTool()`
AS-Flash API, 195, 290
JS-Flash API, 115

`setBounds()`, **AS (ActionScript) Flash API, 184, 288**

`setCenterByAddressAndZoom()`
AS-Flash API, 5, 170, 271
JS-Flash API, 5, 101–102

`setCenterByLatLon()`
AS-Flash API, 6, 171, 275–276
JS-Flash API, 6, 102–103

`setCenterByLatLonAndZoom()`
AS-Flash API, 171–172, 276–277
JS-Flash API, 103

`setCenterByPointDelta()`
AS-Flash API, 172–173, 278–279
JS-Flash API, 103–104

`setMapType()`, **Ajax API, 40**

`setMapViewType()`
AS-Flash API, 173, 279
JS-Flash API, 97–98

`setSize()`, **AS (ActionScript) Flash API, 180–181**

setZoomLevel()

Ajax API, 36

AS-Flash API, 5, 166, 277–278

JS-Flash API, 5, 94

ShockWave Flash. See SWF files side to side, panning

Ajax versus Flash methods, 324

automatic

ending, 42

starting, 42

begin, 186–187

control

adding, 52

removing, 53

to latitude/longitude point, 42

start, 43

stop, 43, 186–187

tool, user interaction

AS-Flash API, 196–197, 291

JS-Flash API, 115–118

new YGeoPoint, defining, 42

views, 5–6

sources, mashup

HotJobs, 13

local search, 15

traffic, 14

Upcoming.org, 13

weather, 14

stage

AS-Flash API, 156–158, 258–260

Flash IDE, working with, 142–143

startAutoPan, **Ajax API, 42**

startPan event, **Ajax API, 43**

state parameter, **HotJobs RSS request, 229**

street address

allowing users to view location by, AS-Flash API, 271–275

centering and zooming by

AS-Flash API, 5, 170, 271

JS-Flash API, 5, 101–102

centering by

AS-Flash API, 6, 166–170, 270

JS-Flash API, 6, 101

changing

Ajax API, 44–46

JS-Flash API, 105–107

markers, adding

Ajax API, 48

AS-Flash API, 6, 201–202, 291–292

string data type, Flash, 147

SWF (ShockWave Flash) files

described, 142

markers

AS-Flash API, 6, 13, 207–211, 293

JS-Flash API, 6, 13, 111–112

overlay, 222, 299

tool, user interaction

AS-Flash API, 197–201, 291

JS-Flash API, 118–119

symbol, adding. See instance

symbols, Flash IDE, 143

T

tags, Flickr, 12–13

tiles, container for displaying, 31

timeline, Flash stage, 142–143

tool methods and classes

Ajax versus Flash API, 325–326

AS-Flash API

addTool(), 195, 290

CustomSWFTool, 197–201, 291

PanTool, 196–197, 291

removeTool(), 195, 290

setActiveTool(), 195, 290

JS-Flash API

addTool(), 115

CustomSWFTool, 118–119

PanTool, 115–118

removeTool(), 115

setActiveTool(), 115

ToolBarWidget

AS-Flash API, 193–195, 289

JS-Flash API, 120

Trace(), **AS 2 (ActionScript 2), 149**

traffic mashup source, 14

TrafficOverlay

AS-Flash API, 7, 216–218, 299–304

JS-Flash API, 7

transitioning, JS (JavaScript)-Flash API, 85

Travel API. See Yahoo! Travel API

trip journal, adding photos to, 129

trip searches, user interactions, 130–131

tripSearch, **Yahoo! Travel API, 130–131**

U

UI components, map view buttons example, 175–177

undefined data type, Flash, 147

Upcoming.org mashup source, 13

URL

- GeoRSS feed, 60–61, 218–221
- HotJobs RSS request examples, 229–230
- HTTP response, 22
- JSON request, 67–68, 132
- passing to load parameter, 78

user interaction

- Ajax versus Flash API, 325–326
- AS-Flash API
 - `addTool()`, 195, 290
 - `CustomSWFTool`, 197–201, 291
 - mashup, 237–239
 - `PanTool`, 196–197, 291
 - `removeTool()`, 195, 290
 - `setActiveTool()`, 195, 290
- Flex 2 mashup client, 309–310
- JS-Flash API
 - `addTool()`, 115
 - `CustomSWFTool`, 118–119
 - `PanTool`, 115–118
 - `removeTool()`, 115
 - `setActiveTool()`, 115
- trip searches, 130–131
- views
 - choosing, 175–180
 - tooggling among, 120, 174
- zoom level, 166

user interaction events

- AS 2, 150
- AS-Flash API
 - described, 184–185
 - `EVENT_MOVE`, 185, 288
 - `EVENT_PAN_START` and `EVENT_PAN_STOP`, 186–187, 288
 - `EVENT_ZOOM`, 187–188, 288
 - `EVENT_ZOOM_START` and `EVENT_ZOOM_STOP`, 188–189, 289
 - `setCenterByAddress()`, 166–170
- JavaScript, 21, 78–79

user toolbar, 226–228

V

variable types, case sensitivity, 147

version parameter, HotJobs RSS request, 229

video, Flex 2 mashup

- ActionScript, 316, 318–320
- event listeners, 317
- field local connection events, 318
- field map instance events, 317

- importing classes, 316
- local connection, 316–317
- media, converting to Flash Video, 314–315

views

- Ajax versus Flash methods, 324, 326
- map and satellite imagery, 3–4, 173
- panning, 5–6
- tooggling among, 120, 174
- type, changing, 95–97
- user interactions, 175–180
- zooming, 4–5

W

WayPointMarker

- AS-Flash API, 205–207, 293
- JS-Flash API, 111

weather mashup source, 14

web browser

- AS 2 mashups outside, 151
- XMLHTTP request, 22

widget methods and classes

- Ajax versus Flash API, 325–326
- AS-Flash API
 - `addWidget()`, 189, 289
 - described, 189
 - `NavigatorWidget`, 7–8, 190–192, 289
 - `removeWidget()`, 189, 289
 - `SatelliteControlWidget`, 192–193, 290
 - `ToolBarWidget`, 193–195, 289
- JS-Flash API
 - `addWidget()`, 119
 - `NavigatorWidget`, 7–8, 94, 119–120
 - `removeWidget()`, 119
 - `SatelliteControlWidget`, 120
 - `ToolBarWidget`, 120

width, map, AS-Flash, 181

work, finding

- AS-Flash API mashup
 - described, 224, 229
 - RSS request, 229–230
 - RSS response, 230–231
- mashup source, 13

X

XML (Extensible Markup Language)

- AS-Flash API mashup
 - loading, 231–234
 - parsing, 234–237

- data type
 - Flash, 147
 - geoRSS feed, 218–221
 - HotJobs RSS response, 230–231
- mashup, 10
- XMLHTTP request, Internet Explorer (Microsoft), 22**
- XMLHttpRequest, JavaScript, 21–22**
- x,y coordinates**
 - geo-coding, 6
 - getCenter() pixel coordinate, 104, 174

Y

- Yahoo! Developer Network. See YDN**
- Yahoo! developer support. See also YDN**
 - Maps API Application Gallery, 16
 - message group, 15
- Yahoo! Finance, 18**
- Yahoo! local search database, 121–122**
- Yahoo! Maps**
 - Flex
 - ActionScript, adding to client side, 260–262
 - application ID, 255–256
 - AS-Flash API, 257–260
 - authoring tool, Flex Builder 2, 247–249
 - benefits, 252
 - client, 264–266
 - described, 243
 - getting, 246
 - history, 244–245
 - integrating, 245–246
 - MapConnector class, 262–264
 - software requirements, 256–257
 - MXML
 - coding and ActionScript, 250–252
 - described, 249
 - Yahoo! Travel API**
 - authentication, 129
 - JSON
 - callback method, 132–133
 - described, 131
 - request, making, 132
 - methods
 - getTrip, 131
 - tripSearch, 130–131
 - travel content, location and, 128–129
- YDN (Yahoo! Developer Network)**
 - Ajax ID application ID, 27–28
 - AS-Flash
 - application ID, 153–154
 - downloading and installing components, 154–155, 257–258

- Flickr API application ID, 64
- HotJobs web service, 229
- JS Flash API application ID, 83–84
- mashup developer support, 15
- Yahoo! Maps
 - application ID, 255–256
 - components, downloading, 257–258
 - Yahoo! Travel API, 128
- YEvent **class, Ajax API, 36**
- YGeoPoint, **41**
- YGeoRSS, **Ajax API, 58**
- YImage, **Ajax API, 49**
- YMap(mapContainer, mapType, mapSize)
 - method, 323**
- YMarker, **Ajax API, 48–49**
- YPolyline, **Ajax API, 56**

Z

- zoom level**
 - buttons, adding, 326
 - getting, Ajax versus Flash, 325
 - JS-Flash API, changing, 99–101
 - map API, 4–5
 - methods, Ajax versus Flash, 323–324
 - start and finish, setting, 94
 - user interactions, 166
- zoombar, NavigatorWidget, 190**
- zoomEnd, JS-Flash API, 94**
- zooming**
 - Ajax API
 - changing, 36–37
 - drawing and centering, 36, 41, 46
 - getting, 37–40, 94–95, 174, 285
 - getZoomLevel(), 37–40, 94–95, 174, 285
 - long, 53
 - redrawing after, 42
 - short, 53
 - AS-Flash API
 - EVENT_ZOOM, 187–188, 288
 - starting and stopping, 188–189, 289
 - JS-Flash API
 - getZoomLevel(), 94–95
 - setZoomLevel(), 94
 - view type, changing, 95–97
 - zoomStart, zoomEnd, 94
- zoomStart, JS-Flash API, 94**

