

Introducción al desarrollo de RIA's con Adobe Flex 3.0 Dia 2

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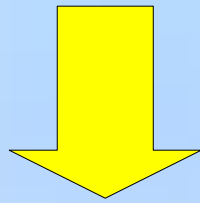
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Compilando Aplicaciones

- mxmlc

mxmlc HelloWorld.xml



HelloWorld.swf

Opciones del compilador de flex

name	alias	description
-benchmark		output performance benchmark
-compiler.accessible	-accessible	generate an accessible SWF
-compiler.actionscript-file-encoding	-actionscript-file-encoding	specifies actionscript file encoding. If there is no BOM in the AS3 source files, the compiler will use this file encoding.
-compiler.context-root	-context-root	path to replace {context.root} tokens for service channel endpoints
-compiler.debug	-debug	generates a movie that is suitable for debugging
-compiler.external-library-path [path-element] [...]	-external-library-path	list of SWC files or directories to compile against but to omit from linking (repeatable)
-compiler.fonts.advanced-anti-aliasing	-advanced-anti-aliasing	enables advanced anti-aliasing for embedded fonts, which provides greater clarity for small fonts.
-compiler.fonts.flash-type	-flash-type	enables FlashType for embedded fonts, which provides greater clarity for small fonts.
-compiler.fonts.max-glyphs-per-face	-max-glyphs-per-face	sets the maximum number of character glyph-outlines to keep in the server cache for each font face. The default value is 1000.
-compiler.include-libraries [library] [...]	-include-libraries	a list of libraries (SWCs) to completely include in the SWF (repeatable)

Opciones del compilador de flex

name	alias	description
-compiler.incremental	-incremental	enables incremental compilation
-compiler.library-path [path-element] [...]	-l	list of SWC files or directories that contain SWC files (repeatable)
-compiler.locale [locale-element] [...]	-locale	specifies the locale for internationalization (repeatable)
-compiler.mxml.compatibility-version	-compatibility-version	specifies a compatibility version. e.g. -compatibility-version=2.0.1
-compiler.namespaces.namespace	-namespace	Specify a URI to associate with a manifest of components for use as MXML elements (repeatable)
-compiler.optimize	-optimize	Enable post-link SWF optimization
-compiler.profile	-profile	generate a movie that is suitable for performance and memory profiling
-compiler.services	-services	path to Flex Data Services configuration file
-compiler.show-actionscript-warnings	-show-actionscript-warnings	runs the AS3 compiler in a mode that detects legal but potentially incorrect code

Opciones del compilador de flex

name	alias	description
-compiler.show-binding-warnings	-show-binding-warnings	toggle whether warnings generated from data binding code are displayed
-compiler.show-deprecation-warnings	-show-deprecation-warnings	toggle whether the use of deprecated APIs generates a warning
-compiler.show-unused-type-selector-warnings	-show-unused-type-selector-warnings	toggle whether warnings generated from unused CSS type selectors are displayed
-compiler.source-path [path-element] [...]	-sp	list of path elements that form the roots of ActionScript class hierarchies (repeatable)
-compiler.strict	-strict	runs the AS3 compiler in strict error checking mode.
-compiler.theme [filename] [...]	-theme	list of CSS or SWC files to apply as a theme (repeatable)
-compiler.use-resource-bundle-metadata	-use-resource-bundle-metadata	determines whether resources bundles are included in the application. keywords are 'syntax', 'list', 'advanced', 'aliases', 'details', or a search term
-help [keyword] [...]		
-include-resource-bundles [bundle] [...]		(repeatable)

Opciones del compilador de flex

name	alias	description
-licenses.license	-license	specifies a product and a serial number. (repeatable)
-load-config		load a file containing configuration options (repeatable)
-metadata.contributor	-contributor	A contributor's name to store in the SWF metadata (repeatable)
-metadata.creator	-creator	A creator's name to store in the SWF metadata (repeatable)
-metadata.date	-date	The creation date to store in the SWF metadata
-metadata.description	-description	The default description to store in the SWF metadata
-metadata.language	-language	The language to store in the SWF metadata (i.e. EN, FR) (repeatable)
-metadata.localized-description	-localized-description	A localized RDF/XMP description to store in the SWF metadata (repeatable)
-metadata.localized-title	-localized-title	A localized RDF/XMP title to store in the SWF metadata (repeatable)

Opciones del compilador de flex

name	alias	description
-metadata.publisher	-publisher	A publisher's name to store in the SWF metadata (repeatable)
-metadata.title	-title	The default title to store in the SWF metadata
-output	-o	the filename of the SWF movie to create
-runtime-shared-libraries [url] [...]	-rsl	a list of runtime shared library URLs to be loaded before the application starts (repeatable)
-runtime-shared-library-path [path-element] [rsl-url] [policy-file-url] [rsl-url] [policy-file-url]	-rslp	(repeatable)
-static-link-runtime-shared-libraries	-static-rsls	statically link the libraries specified by the -runtime-shared-libraries-path option.
-target-player		specifies the version of the player the application is targeting. Features requiring a later version will not be compiled into the application. The minimum value supported is "9.0.0".
-use-network		toggle whether the SWF is flagged for access to network resources
-version		display the build version of the program
-warnings		toggle the display of warnings

Configuración del compilador

<FLEX_HOME>/frameworks/**flex-config.xml**

```
<flex-config>  
  <target-player>9.0.124</target-player>  
  <compiler>  
    <accessible>>false</accessible>  
    <locale>  
      <locale-element>en_US</locale-element>  
    </locale>  
    ...  
  </flex-config>
```

Utilizando Eclipse IDE

- Eclipse IDE nos facilita la administración del código de un proyecto
- 5) **ASDT** tool for eclipse (plugin)
- Eclipse -> Help -> Software updates -> Available Software -> Add site
 - <http://aseclipseplugin.sf.net/updates/>
- Usamos build file para compilar proyecto

Build file para compilar proyecto

build.xml

```
<project name="Hello World"
  default="Compile HelloWorld" basedir="." >
  <property name="mxmcl" location="flex/bin/mxmcl" />
  <target name="Compile HelloWorld" >
    <exec executable="{mxmcl}" dir="."
      failonerror="true">
      <arg line="-default-size 800 600" />
      <arg line="-output dist/HelloWorld.swf" />
      <arg line="-- src/mx/unam/linda/HelloWorld.mxml" />
    </exec>
  </target>
</project>
```

Contenedores

- Disposición de controles se logra con contenedores
- Cada contenedor tiene un conjunto de reglas que determina la organización de sus hijos
- `<mx:Application />` utilizado en ejemplo HelloWorld es un contenedor
- Ejemplos de otros contenedores: `VBox`, `HBox`, `Canvas`, `Tile`, `Panel`, `ControlBar`, etc.

Controles

- Controles son componentes que permiten la interactividad de la RIA
- Flex cuenta con una colección numerosa de controles
- Los controles se agregan a los contenedores simplemente anidandolos como `<mx:Label />` en el ejemplo HelloWorld
- Ejemplos: `Label`, `Text`, `DataGrid`, `Button`, `TextField`, `Image`, etc.

Ejercicio desarrolla layout

Button

TabNavigator

The image shows a screenshot of an email client interface. The interface is divided into several sections: a top navigation bar with buttons like 'Check Mail' and 'Compose'; a left sidebar with a folder tree including 'Inbox (17)', 'Drafts (20)', 'Sent', 'Spam', and 'Trash (29)'; a main content area with a list of email messages. The message list has columns for 'From' and 'Subject'. Annotations with arrows point to specific UI elements: 'Button' points to the 'Compose' button; 'TabNavigator' points to the 'Inbox 224 messages' tab; 'DataGrid' points to the message list table; and 'ComboBox' points to the 'Move' dropdown menu.

From	Subject
luca.dantona	[OpenCV] OpenCV 2.0 - blocktrack sa
Steven Yiqiang Nie	Re: [OpenCV] Re: OpenCV iPhone fra
luca.dantona	[OpenCV] Re: GUI and Multiple View
The WAYN Team	Important changes on WAYN
TechRepublic Daily Digest	[TechRepublic] Five super-secret fea
Hype	[OpenCV] Re: OpenCV iPhone frame
Filtrbox	Filtrbox Daily Briefing: 271 hits in 1 fi
Servicio de Administracion Tributa	Visita el Canal de Youtube
Filtrbox	Filtrbox Daily Briefing: 195 hits in 1 fi
LinkedIn Updates	LinkedIn Network Updates, 10/10/200

DataGrid

ComboBox