

Course API Comparison

Chapter C9: A Flash Application

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Preliminaries

- 1) Download and install [Adobe Flex 3.3 SDK](#).
- 2) Create a directory C:\temp\Flash.

FlashApp.mxml

Start Notepad and insert the following code:

```
<?xml version="1.0" encoding="utf-8"?>
<mx:Application
    xmlns:mx="http://www.adobe.com/2006/mxml" viewSourceURL="src/LayoutAutomatic/index.html"
    horizontalAlign="center" verticalAlign="middle"
    resize="application_resize(event);">
    <mx:Panel id="myPanel" layout="horizontal" verticalAlign="middle" left="2" right="2"
        paddingTop="2" paddingBottom="2" paddingLeft="2" paddingRight="2" width="100%">
        <mx:Button id="button1" width="10%" label="Talk!"
            click="myLabel.text = 'Flash Player Application. Resize!';"/>
        <mx:Label id="myLabel" width="80%" fontWeight="bold" textAlign="center"/>
        <mx:Button id="button2" width="10%" label="Clear" click="myLabel.text = '';"/>
    </mx:Panel>
    <mx:Script>
        <![CDATA[
            import mx.events.ResizeEvent;
            private function application_resize( evt:ResizeEvent ):void
            { if ( !myPanel ) return;
              button1.setStyle( "fontSize", myPanel.width/40 );
              myLabel.setStyle( "fontSize", myPanel.width/40 );
              button2.setStyle( "fontSize", myPanel.width/40 );
            }
        ]]>
    </mx:Script>
</mx:Application>
```

Store it to C:\temp\Flash\FlashApp.mxml.

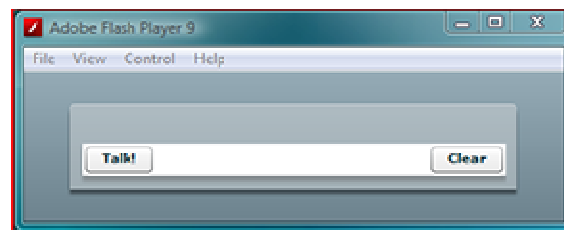
Compile and Run

- 1) Open Notepad again and copy the empty file to C:\temp\Flash\compile.bat.
- 2) Search the installation directory of the FlexSDK on your hard disk.
Let us say that you find it in C:\FlashSDKDirectory:
- 3) Copy the following code into the empty compile.bat but replace C:\FlashSDKDirectory by the true path of your Flex SDK installation. (The third line must be placed at the end of the second one.)

```
cd C:\temp\Flash
C:\FlashSDKDirectory\bin\mxmclc --strict=true --file-specs C:\temp\Flash\FlashApp.xml
-output=C:\temp\Flash\FlashApp.swf
```

- 4) Click the main Windows button in the lower left corner of the screen.
Type "command" into the Start Search text field.
The black Command prompt should appear. Type cd . . (cd with 2 periods + return) in order to go up one branch in the directory tree.
Repeat this until you reach the root directory C: . Type the line "cd C:\temp\Flash\" followed by the next line "dir".
Make sure you see the file names FlashApp.xml and compile.bat.

- 5) Type "compile" and the mxmclc-compiler should start and create the executable file.
Type "dir" and check whether there exists the executable C:\temp\Flash\FlashApp.swf.
Type FlashApp.swf and Adobe Flash Player 9 will start as shown here:



- 7) Insert FlashApp.swf in a html-page by writing the following html-tag:

```
<object type="application/x-shockwave-flash" width="100%" height="140">
  <param name="movie" value="FlashApp.swf">
</object>
```

Remaining Problems:

1. Application doesn't cover the complete width and height of Adobe Flash Player 9.
2. myPanel doesn't cover the complete width and height of Application.
3. button1, myLabel and button2 don't reduce their heights to a small fontSize.