

# FileMaker Developer Conference 2008



WOR810

## Charting in the Web Viewer with Flex

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# Who am I?



- **Technical Lead at Soliant Consulting**
  - Independent Developer with Infrastructure
  - (I love my job)
- **Speaker**
  - FileMaker Devcon 2006
  - DCPHP 2007
  - php|tek 2008
- **Developer certifications**
  - FileMaker<sup>®</sup> 9 Certified Developer
  - Adobe<sup>®</sup> Flex<sup>™</sup> Developer (A.C.E)

# Introduction to Flex Charting



- **Displaying data in a chart or graph can make data interpretation much easier for users.**
- **The charting controls are a feature of Adobe Flex® Builder™ Professional. You can create charts in your Flex applications with Flex Builder Standard, but the charting controls will have a watermark on them.**

# About Charting



- **Charting is a type of data visualization in which you create two-dimensional representations of your data.**
- **Flex supports some of the most common types of two-dimensional charts (such as bar, column, and pie charts) and gives you a great deal of control over the appearance of charts.**

# Using the Charting Controls



- All chart controls, except the PieChart class, are subclasses of the CartesianChart class. Cartesian charts are charts that typically represent a set of data points in rectangular-shaped, two-dimensional space.
- The PieChart class is a subclass of the PolarChart class, which represents data in circular space.

# Defining a chart in MXML



```
<mx:ChartName>  
  <!-- Define one or more series. -->  
  <mx:SeriesName/>  
  
  <!-- Define the axes. -->  
  <mx:horizontalAxis> <mx:axis_type/> </mx:horizontalAxis>  
  <mx:verticalAxis> <mx:axis_type/> </mx:verticalAxis>  
  
  <!-- Style the axes and ticks marks. -->  
  <mx:horizontalAxisRenderers> <mx:AxisRenderer/> </mx:horizontalAxisRenderers>  
  <mx:verticalAxisRenderers> <mx:AxisRenderer/> </mx:verticalAxisRenderers/>  
  
  <!-- Add grid lines and other elements to the chart. -->  
  <mx:annotationElements> <mx:Array/> </mx:annotationElements>  
  <mx:backgroundElements> <mx:Array/></mx:backgroundElements/>  
</mx:ChartName>  
  
<!-- Optionally define the legend. -->  
<mx:Legend/>
```

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# Defining chart data



- **Adobe's LiveDocs are your friend**
- [livedocs.adobe.com/flex/3/](http://livedocs.adobe.com/flex/3/)
  - There is lots of discussion about the components themselves, but not too much on formatting data for them.
- **(Charts are in this section)**
  - [livedocs.adobe.com/flex/3/html/help.html?content=charts\\_intro\\_8.html](http://livedocs.adobe.com/flex/3/html/help.html?content=charts_intro_8.html)
- **Ely Greenfield is your friend**
- [quietlyscheming.com](http://quietlyscheming.com)

# Defining chart data



- **Chart series must be summarized.**
- **Demo of various dataProvider formats.**
- **Demo of passing chart data through the url.**

# Defining chart data



(demo)



# Defining chart data



(Questions & Answers)



# Defining chart data



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[AdvisorEvents.com/CFF0807p.nsf/w/CFF0807ud](http://AdvisorEvents.com/CFF0807p.nsf/w/CFF0807ud)

(This is also listed in your conference binder)

and

**[flexfm.us/devcon](http://flexfm.us/devcon)**

The session materials DO have updates.

**Please remember to fill out your evaluation.**