

Building Professional JavaServer Faces UI Components

Kito D. Mann

Principal Consultant

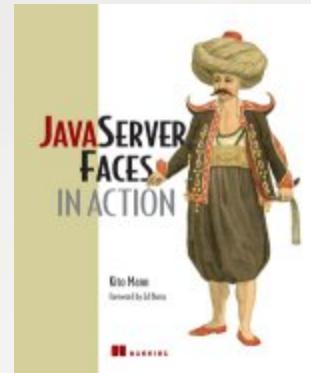
Virtua™

technical excellence.
it's that simple.

Kito D. Mann

@kito99

- » Principal Consultant at Virtua
 - » <http://www.virtua.com>
 - » Training, consulting, architecture, mentoring,
 - » Official US PrimeFaces partner
- » Author, JavaServer Faces in Action
- » Founder, JSF Central
 - » <http://www.jsfcentral.com>



Kito D. Mann

@kito99

- » Co-host, Enterprise Java Newscast
 - » <http://enterprisejavane.ws.com>
- » Internationally recognized speaker
 - » JavaOne, JavaZone, Devoxx, NFJS, TSSJS, etc.
- » JCP Member
 - » JSF, MVC, CDI, JSF Portlet Bridge, Portlets

Questions?

Creating a composite component

DEMO

Resource Handling

- » Resources are items other than JSF views
 - » Images, style sheets, JavaScript files, etc.
 - » Can be versioned
- » Libraries contain multiple resources
 - » Can be versioned and localized

Resource Handling

» Resource identifiers

```
[localePrefix/] [libraryName/] [libraryVersion/]  
resourceName [/resourceVersion]
```

Example Resource Identifier	Segments
duke.gif	resourceName=duke.gif
en/jsfcentral/logo.gif	localPrefix=en libraryName=jsfcentral resourceName=logo.gif
de_AT/corporate/1_4/open.gif/1_1	localPrefix=de_AT libraryName=corporate libraryVersion=1_4 resourceName=open.gif resourceVersion=1_1

Referencing Resources

- » Referencing resources via the VDL
 - » Specify name of the resource and the library
 - » Can be targeted to different parts of the page

```
<h:graphicImage name="Planets.gif" library="images"/>

<h:graphicImage
    value="#{resource['images:Planets.gif']}"/>

<h:outputScript name="ajax.js" library="javax.faces"
    target="head"/>
```

Referencing Resources

- » Referencing Resources with Annotations
 - » `@ResourceDependency`
 - » `@ResourceDependencies`
 - » Available for component or renderer implementations

```
@ResourceDependency (name="jsf.js",
    library="javax.faces", target="head")
public class MyComponent extends UIOutput {
    ...
}
```

Referencing Resources

- Multiple libraries with the same name
 - If libraryVersion is not specified, the library with the highest version is chosen.
- Multiple resources with the same name
 - If resourceVersion is not specified, the resource with the highest version is chosen

Resource Handling

- » Resources can be loaded from:
 - » Web application root:
 - » resources/<resourceIdentifier>
 - » JAR file:
 - » META-INF/resources/<resourceIdentifier>

Resource handling

DEMO