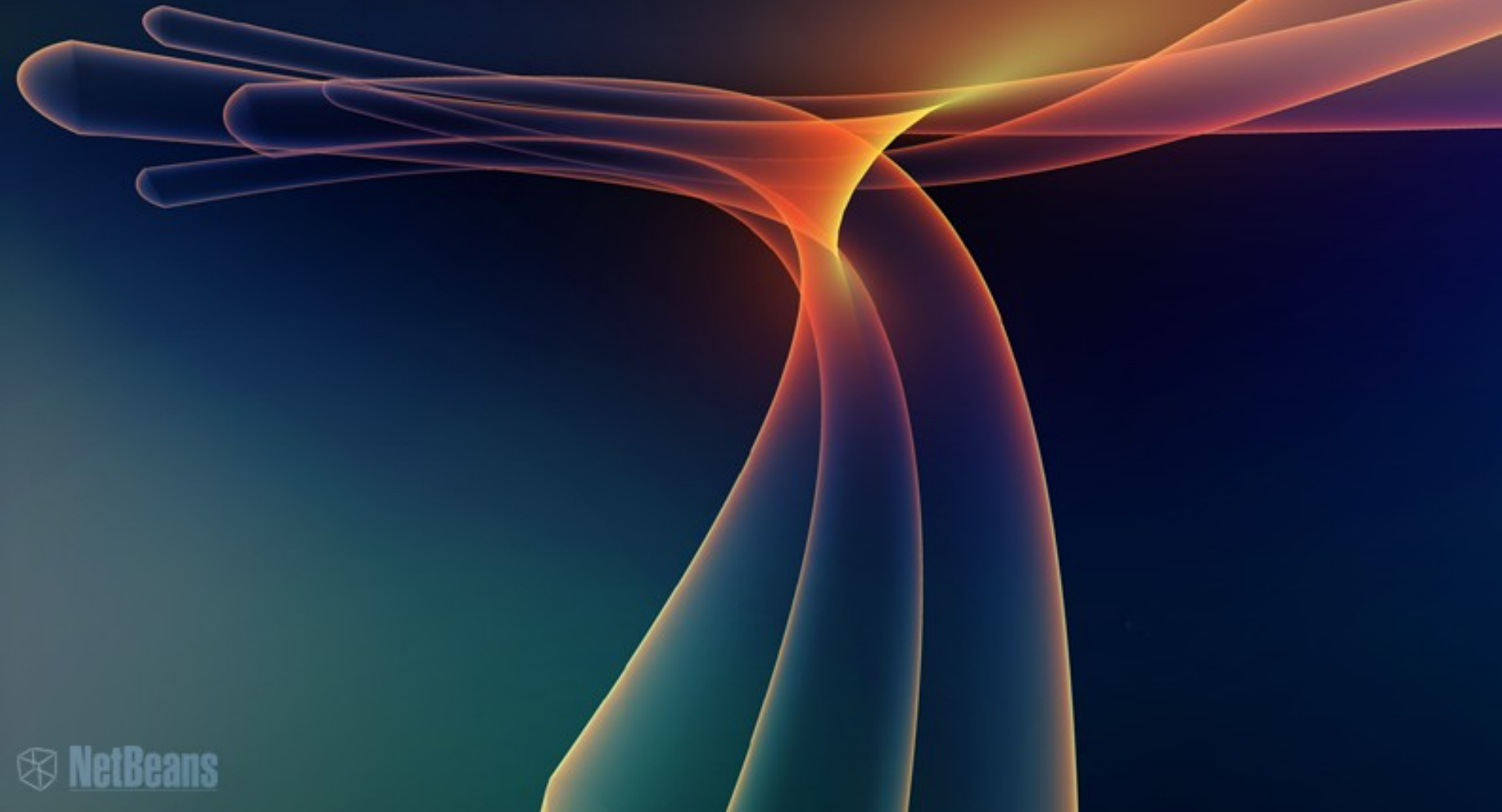


# Some Ideas for Modules



# Agenda

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- Idea 1: Visual Library
- Idea 2: Schliemann
- Idea 3: Templating Support
- Idea 4: Web Framework Support
- Idea 5: API Support Templates
- Idea 6: Porting a Swing application
- Idea 7: Integrating a 3<sup>rd</sup> party library
  
- *How to distribute modules?*

# 1. Visual Library API

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- Framework for graphic modeling and visual graphs
  - > visualization
  - > widgets
  - > predefined actions
  - > layouts
  - > zoom in/out
  - > satellite view
  - > in-place editing

<http://graph.netbeans.org/>

# Demo

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- Simpsons sample
- Visual Database sample

# Visual Library API

```
private Widget createSimpsonWidget(String label, Image image) {  
    IconNodeWidget character = new IconNodeWidget(this);  
    character.setImage(image);  
    character.setLabel(label);  
    mainLayer.addChild(character);  
    character.getActions().addAction(createSelectAction());  
    character.getActions().addAction(createObjectHoverAction());  
    character.getActions().addAction(connectAction);  
    character.getActions().addAction(moveAction);  
    character.getLabelWidget().getActions().addAction(editorAction);  
    return character;  
}
```

## 2. Generic Languages Framework

- Declarative approach to language support creation, i.e., editors
  - > declare tokens and grammar
  - > assign colors
  - > assign navigator content
  - > assign code completion
  - > assign brace matching
  - > assign indentation

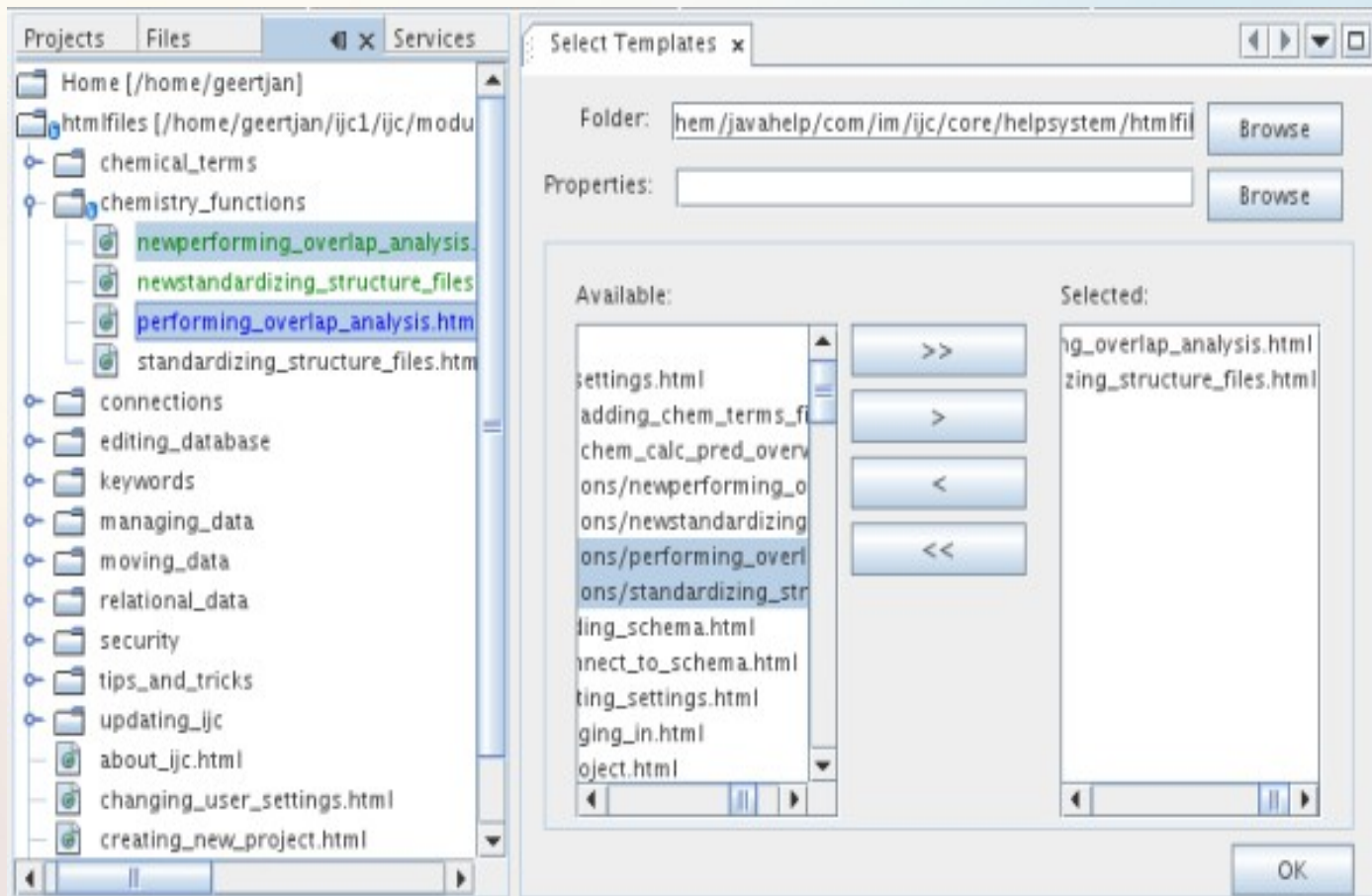
<http://languages.netbeans.org/>

# 3. Templating Support

```
<!--  
  Document   : abc.html  
  Created on : Nov 10, 2007, 8:45:22 AM  
  Author    : #{author}  
-->  
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">  
<html>  
  <head>  
    <title></title>  
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">  
  </head>  
  <body>  
  
    #{footer}  
  
  </body>  
</html>
```

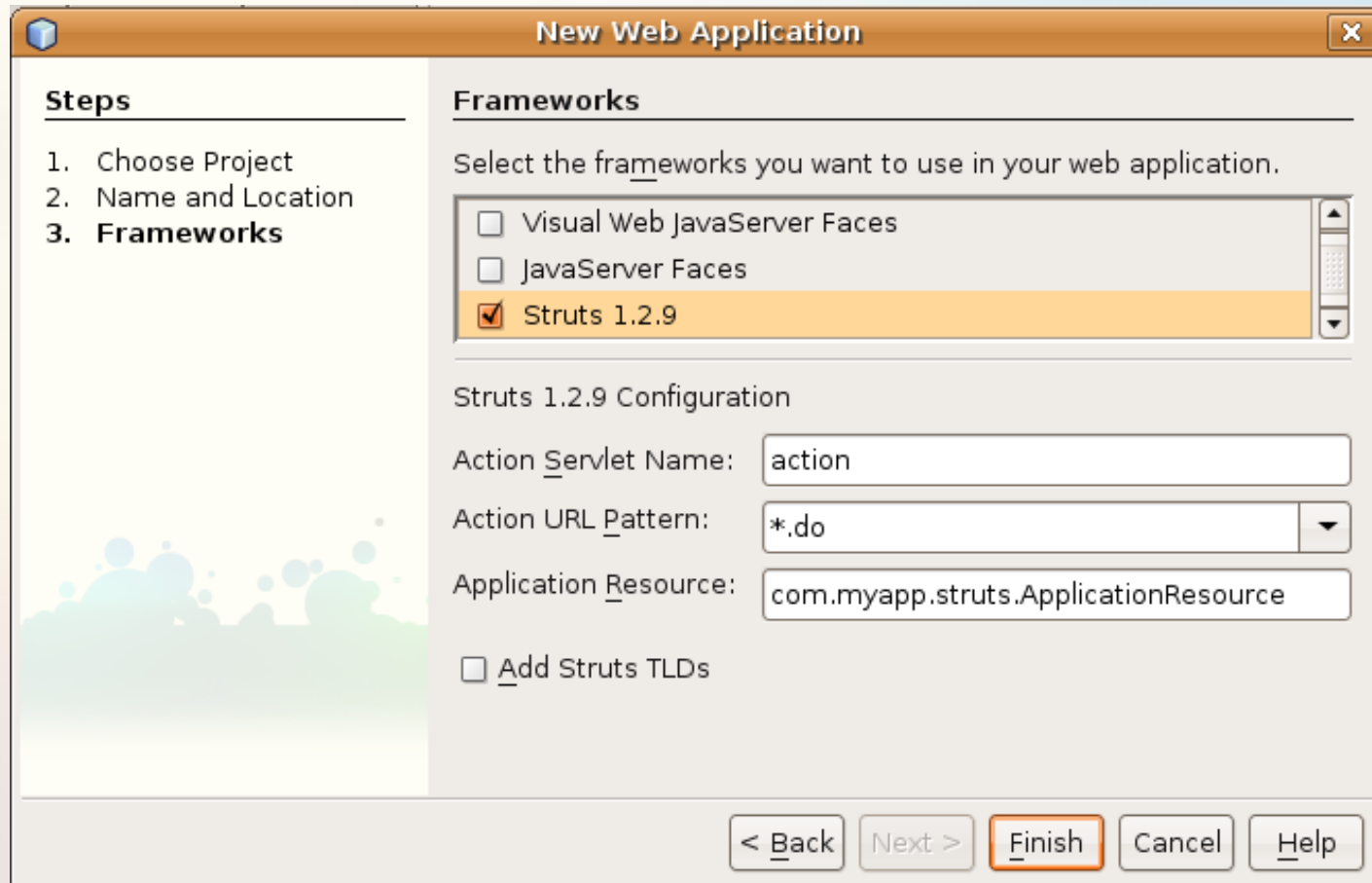


# Templating Support





# 4. Web Framework Support



**New Web Application**

**Steps**

1. Choose Project
2. Name and Location
3. **Frameworks**

**Frameworks**

Select the frameworks you want to use in your web application.

- Visual Web JavaServer Faces
- JavaServer Faces
- Struts 1.2.9**

**Struts 1.2.9 Configuration**

Action Servlet Name:

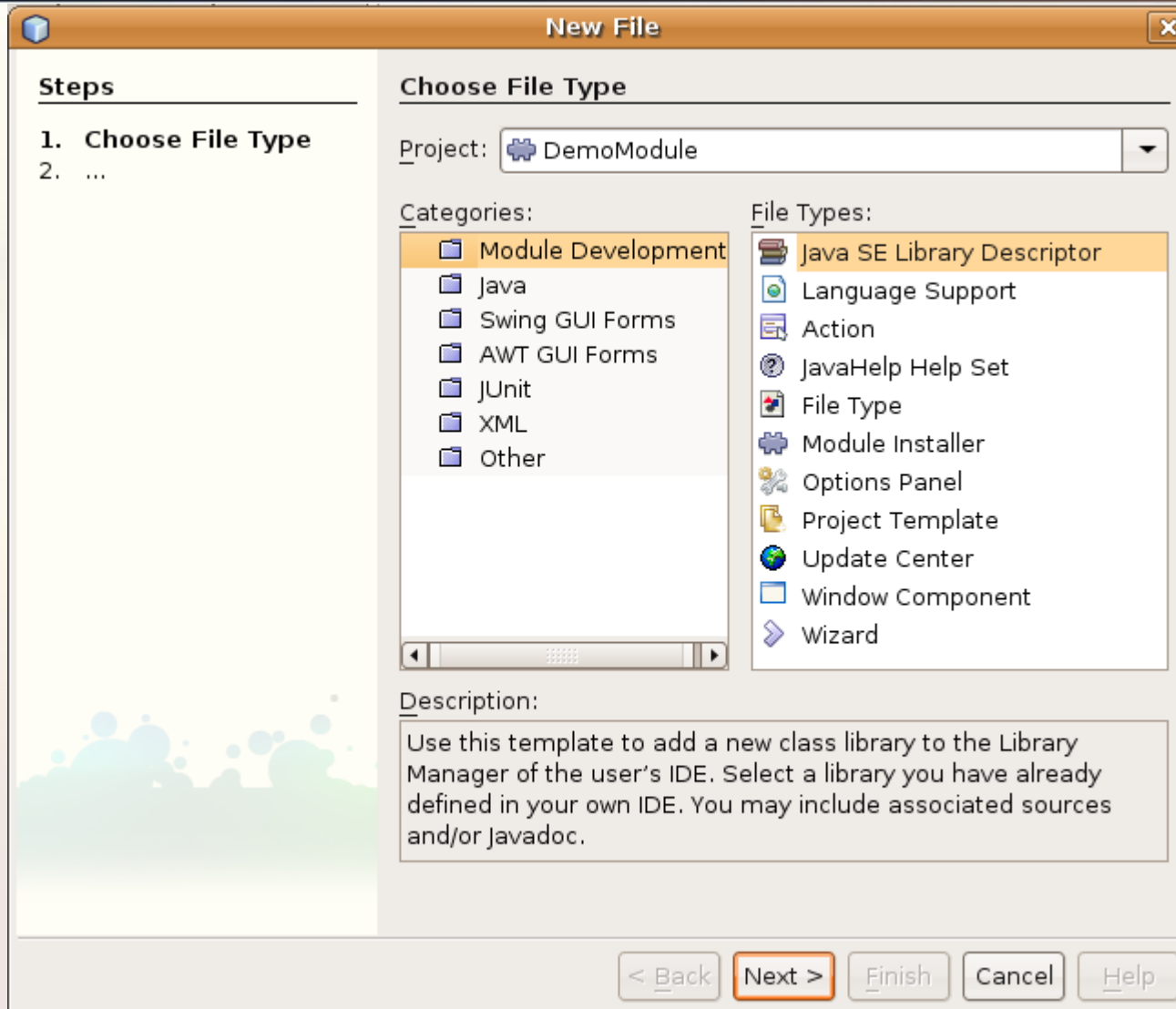
Action URL Pattern:

Application Resource:

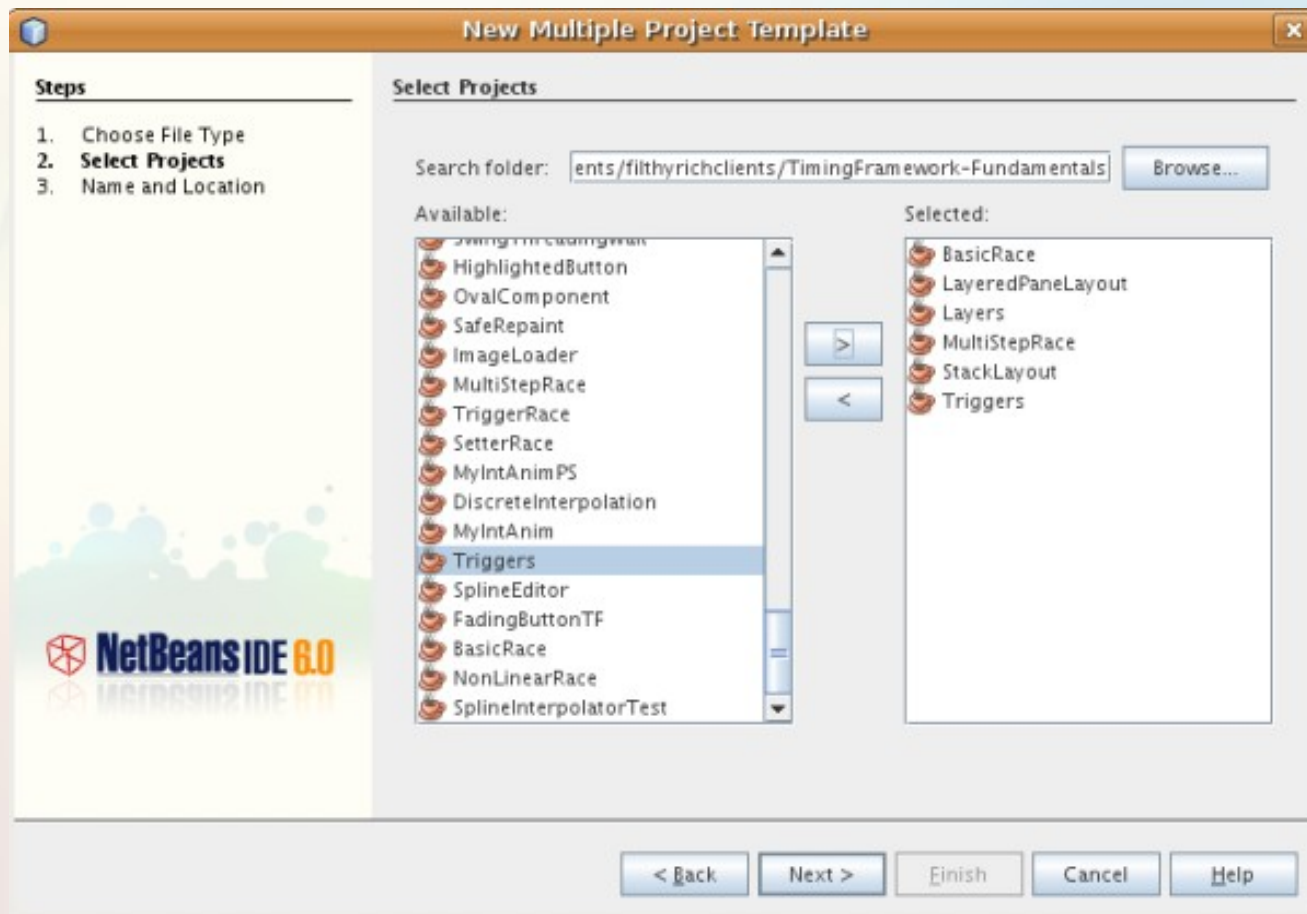
Add Struts TLDs

< Back   Next >   **Finish**   Cancel   Help

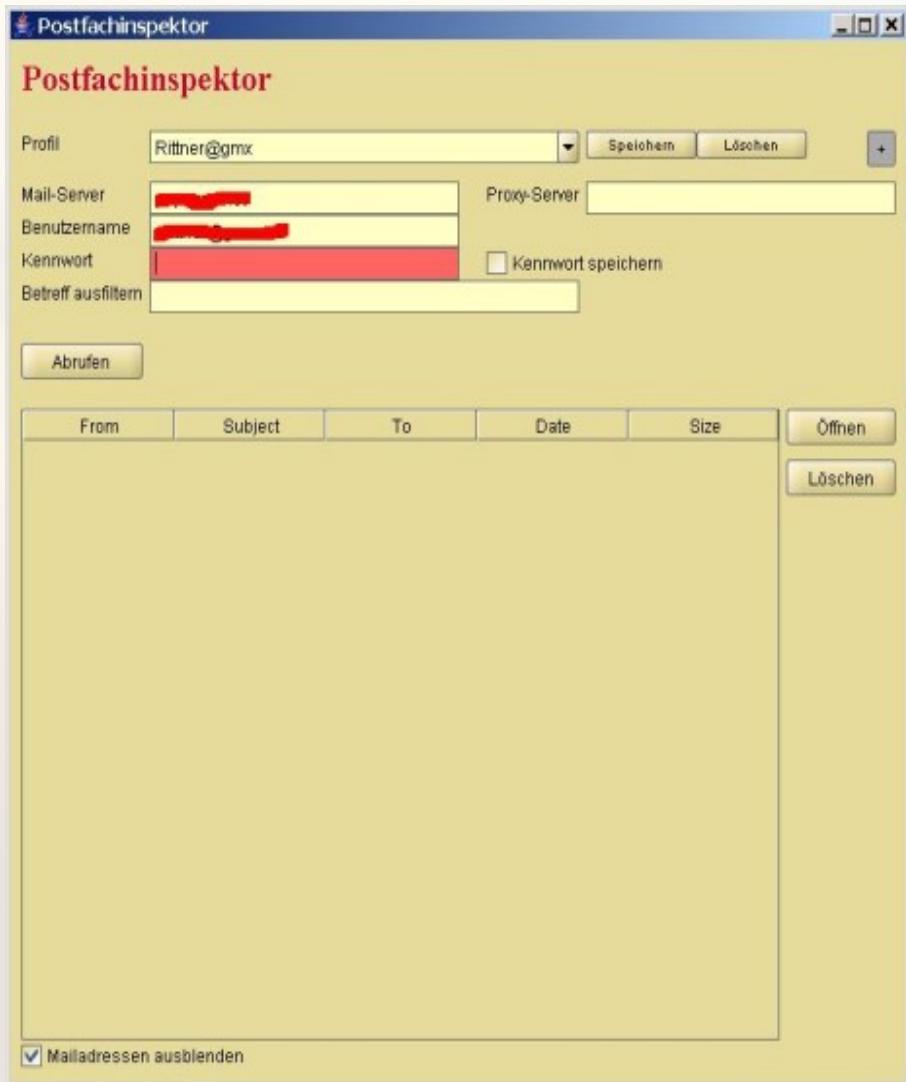
# 5. API Support Templates



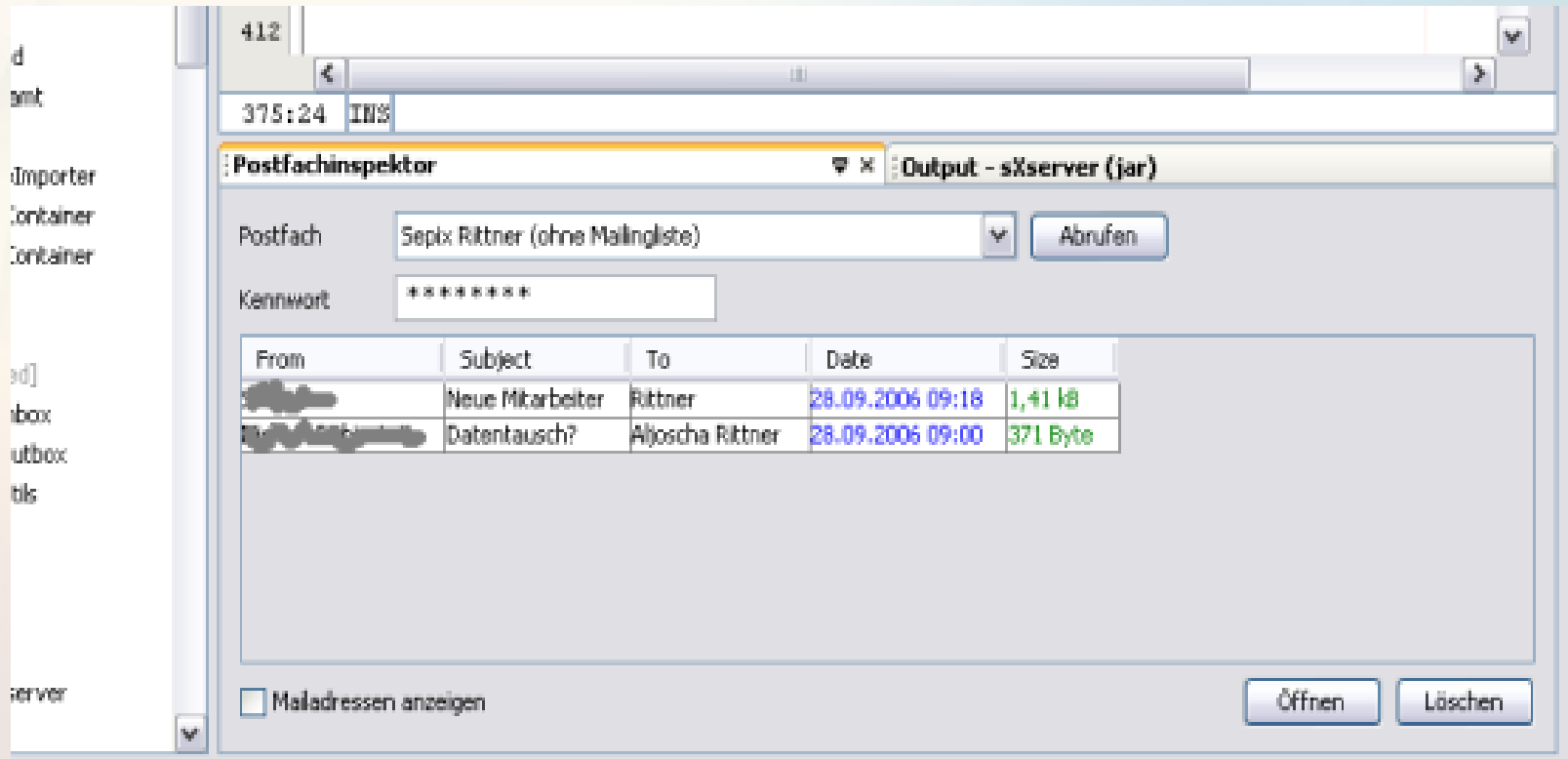
# API Support Templates



# 6. Porting a Swing Application



# Porting a Swing Application



# 7. Integrating 3<sup>rd</sup> party libs

1. JFugue: <http://jfugue.org/>  
= [nbjfuguesupport.dev.java.net](http://nbjfuguesupport.dev.java.net)
2. iText: <http://www.lowagie.com/iText/>  
= [nbitextsupport.dev.java.net](http://nbitextsupport.dev.java.net)
3. Google for 'open source java api'

# Distributing Modules

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1. Email/upload somewhere/usb stick...
2. <http://plugins.netbeans.org/PluginPortal/>
3. Own update center



# Questions & Answers

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