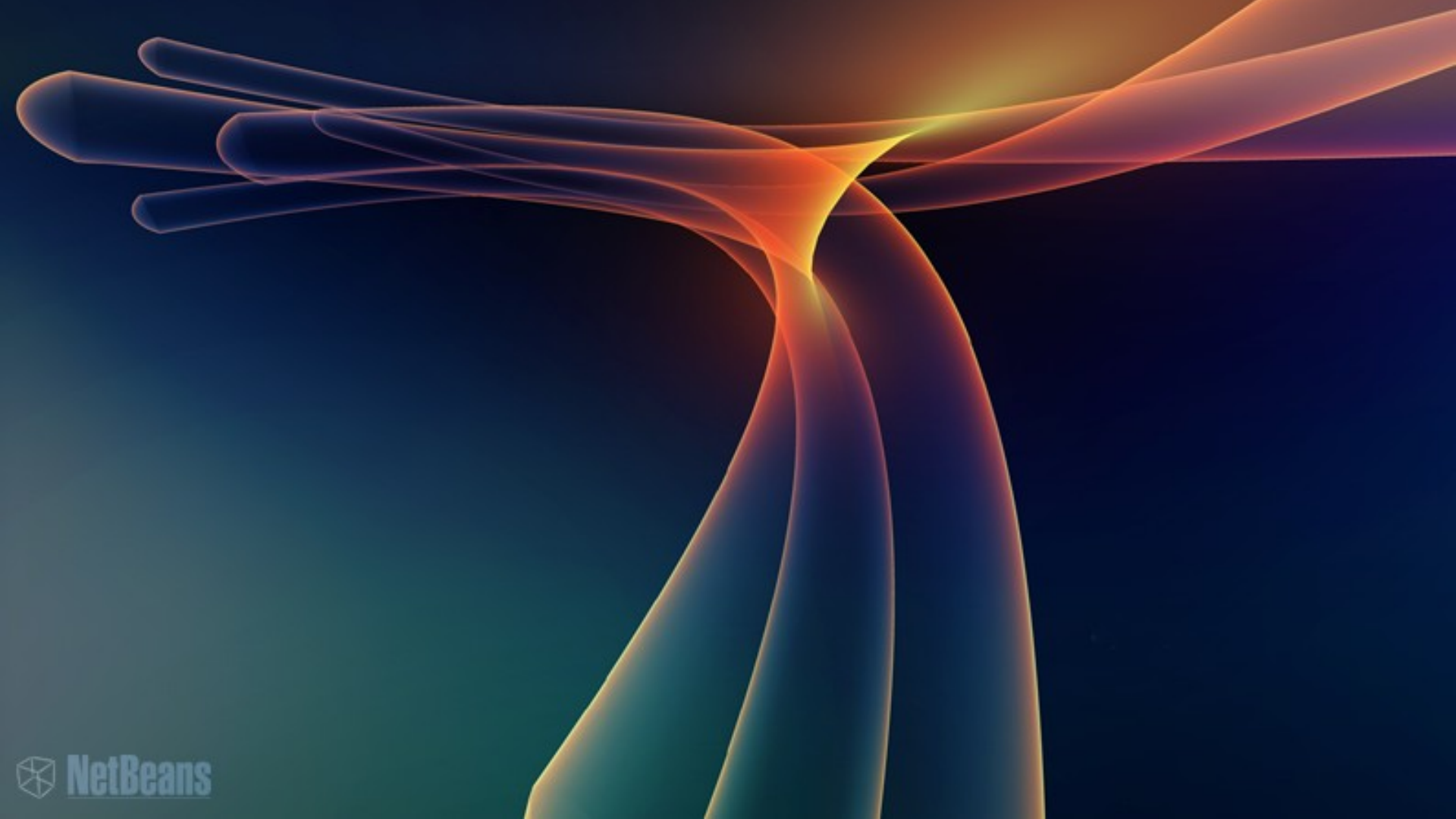


# Einige Ideen für Module



# Agenda

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- Idee 1: Visual Library
- Idee 2: Schliemann
- Idee 3: Templating Support
- Idee 4: Web Framework Support
- Idee 5: API Support Templates
- Idee 6: Portierung einer Swing Anwendung
- Idee 7: Integration von 3<sup>rd</sup> party Bibliotheken
  
- *Wie die Module/Plugins verteilen?*

# 1. Visual Library API

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- Framework für die Grafikmodellierung und Darstellung von Graphen
  - > Visualisierung
  - > Komponenten (Widgets)
  - > Vordefinierte Aktionen
  - > Layouts
  - > Zoom
  - > Vogelperspektive
  - > In-place Bearbeitung

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

# Demo

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- Simpsons Beispiel
- Visual Database Beispiel

# 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;  
}
```

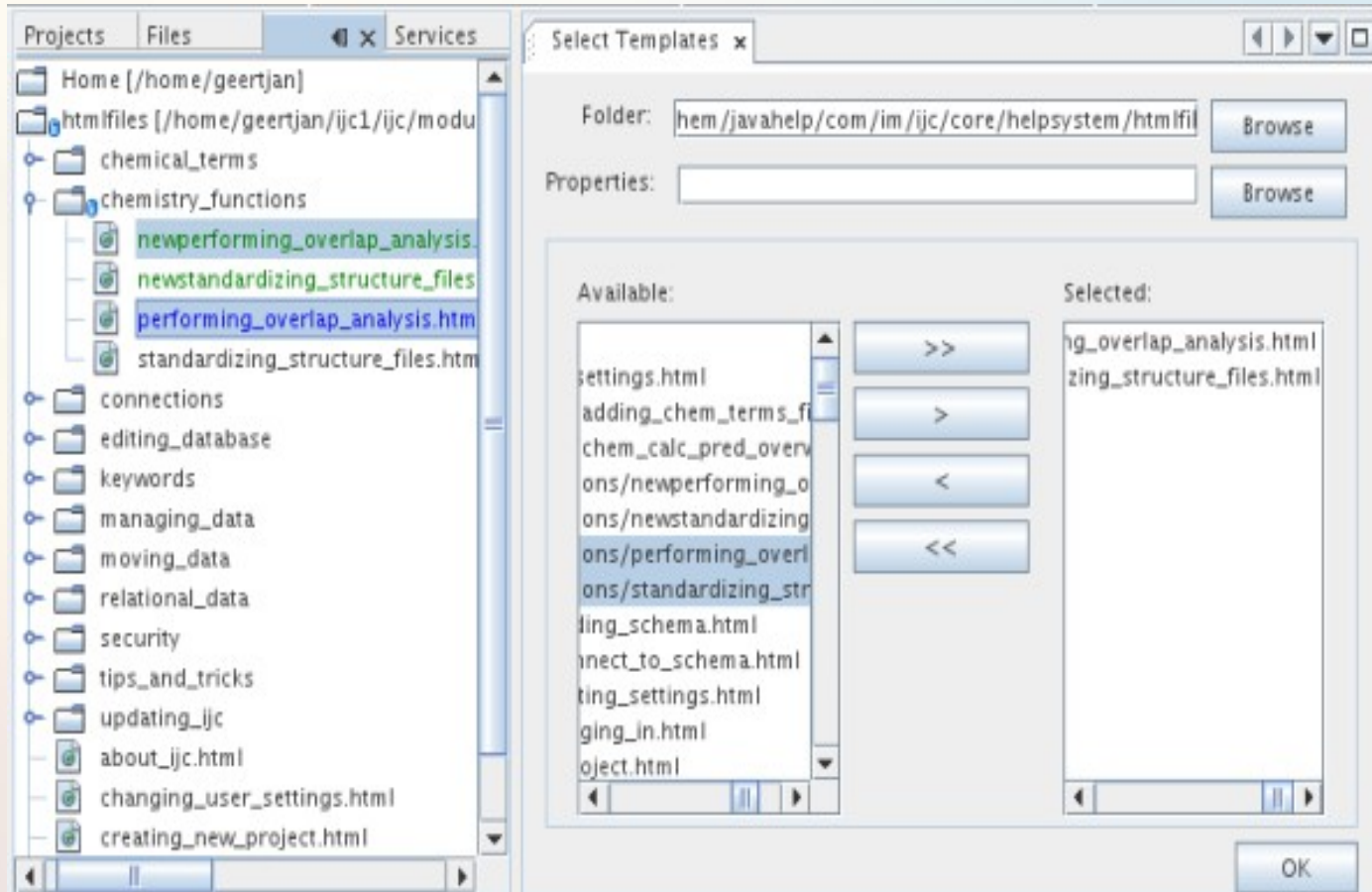
## 2. Generic Languages Framework

- Deklarativer Ansatz für Programmiersprachen, z.B. Im Editor
  - > Deklarieren von Tokens & Grammatik
  - > Zuweisung von Farben
  - > Zuweisung von Navigator Elementen
  - > Zuweisung des Code completion
  - > Zuweisung von Klammer-Blöcken (brace matching)
  - > Zuweisung von Einrückung und Code Folding (indentation)
    - > <http://languages.netbeans.org/>
    - > <http://wiki.netbeans.org/Schliemann>

# 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>
```

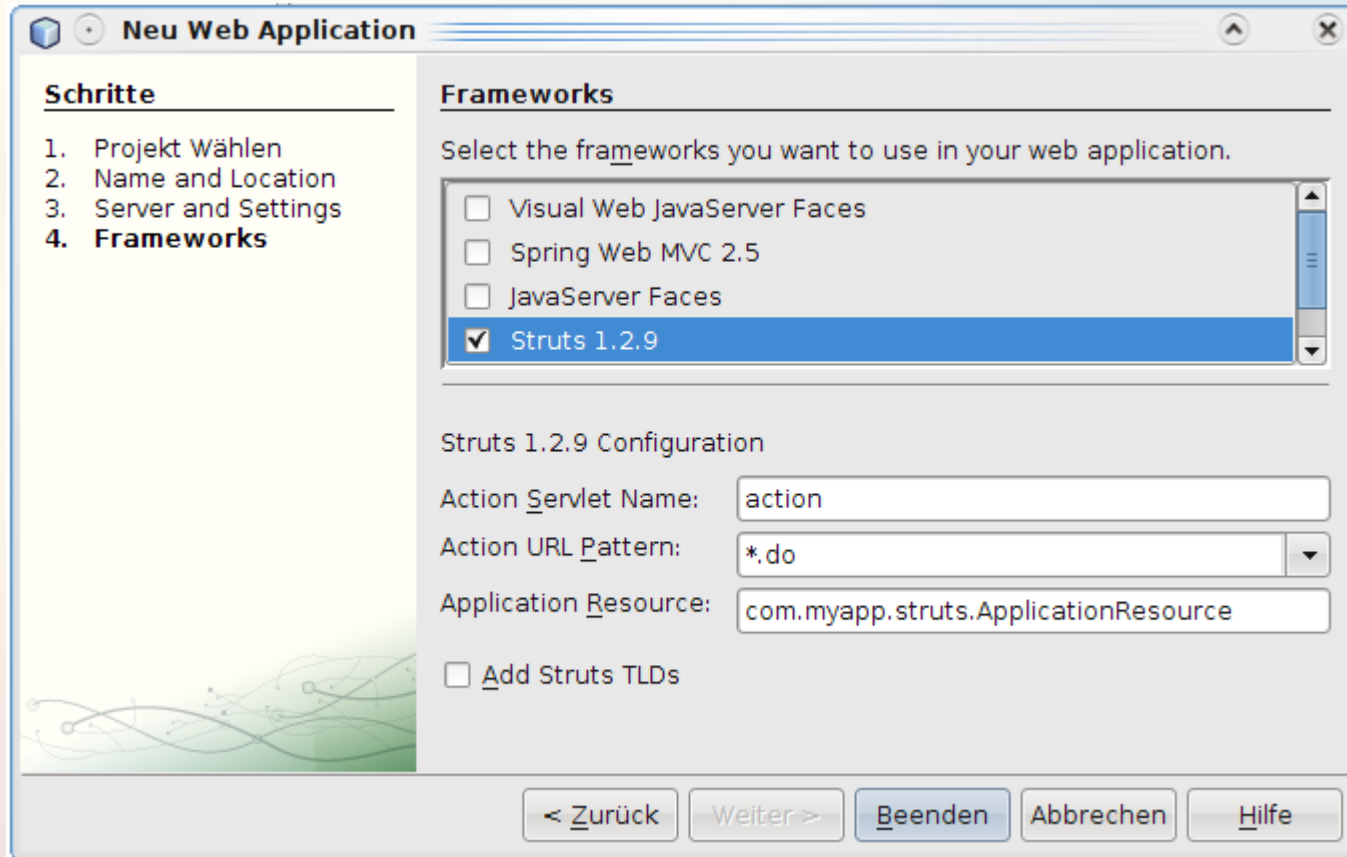
# 3. Templating Support (2)



[http://blogs.sun.com/geertjan/entry/freemarker\\_baked\\_into\\_netbeans\\_ide](http://blogs.sun.com/geertjan/entry/freemarker_baked_into_netbeans_ide)

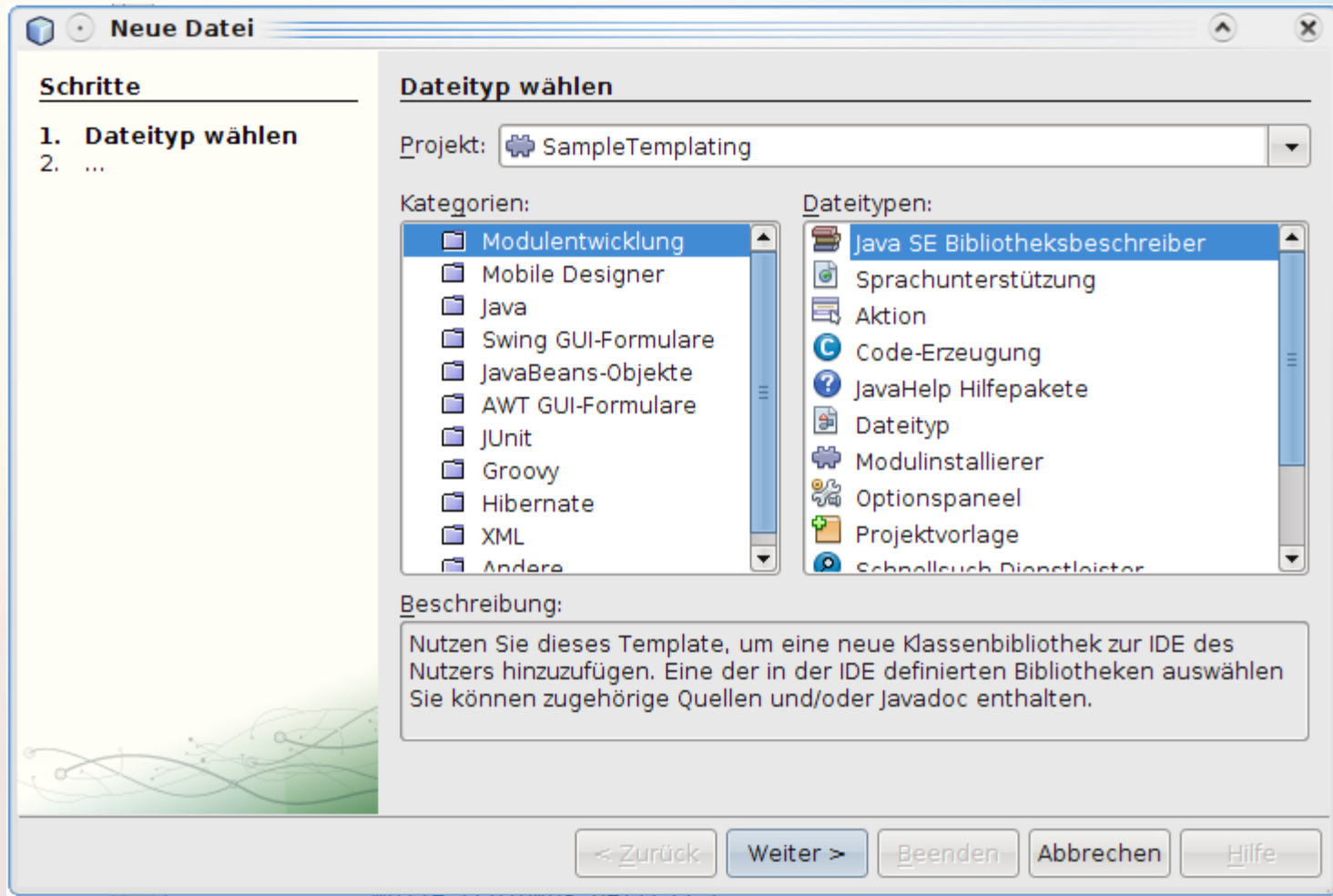


# 4. Web Framework Support

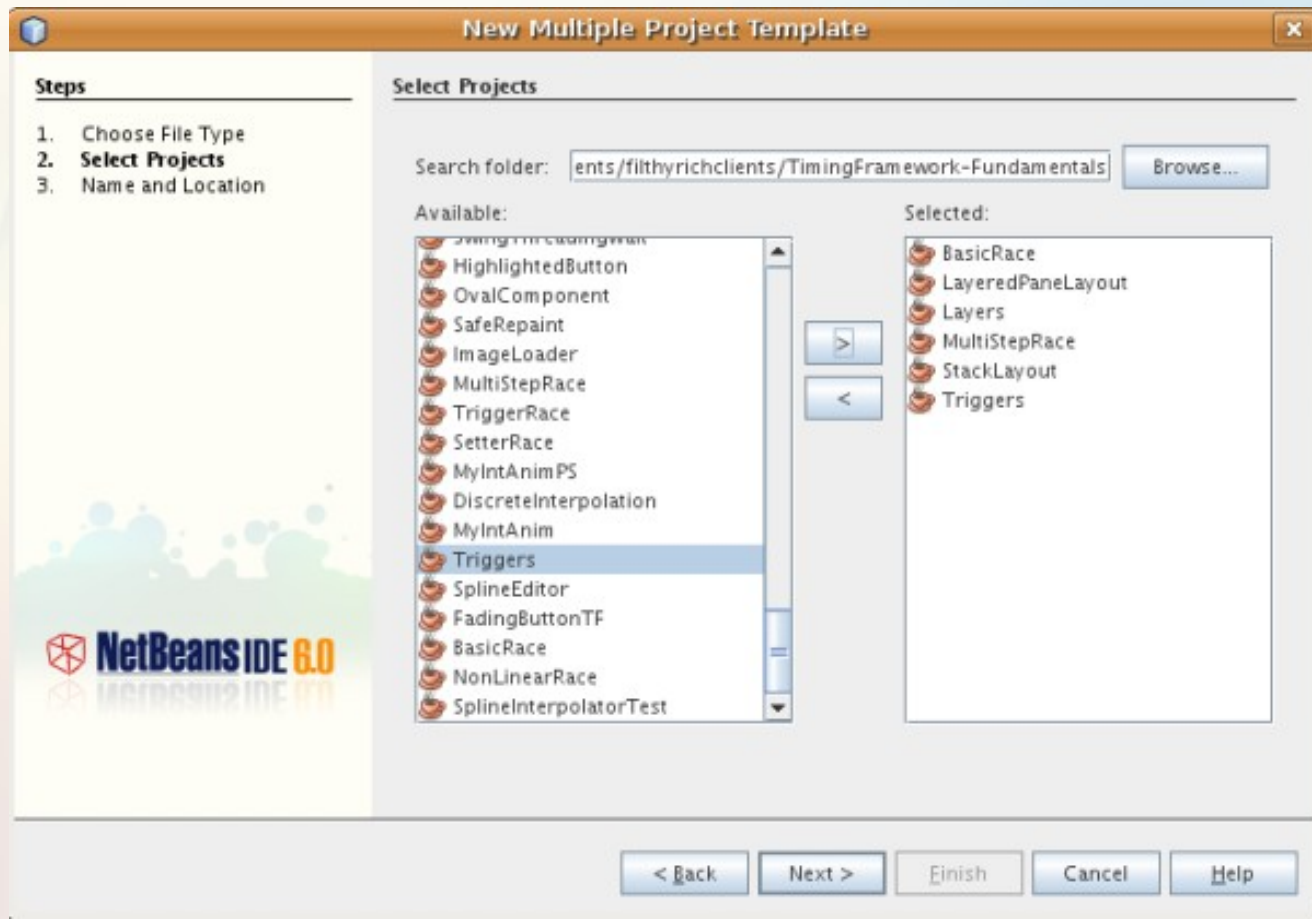


<http://platform.netbeans.org/tutorials/nbm-projectsamples.html>

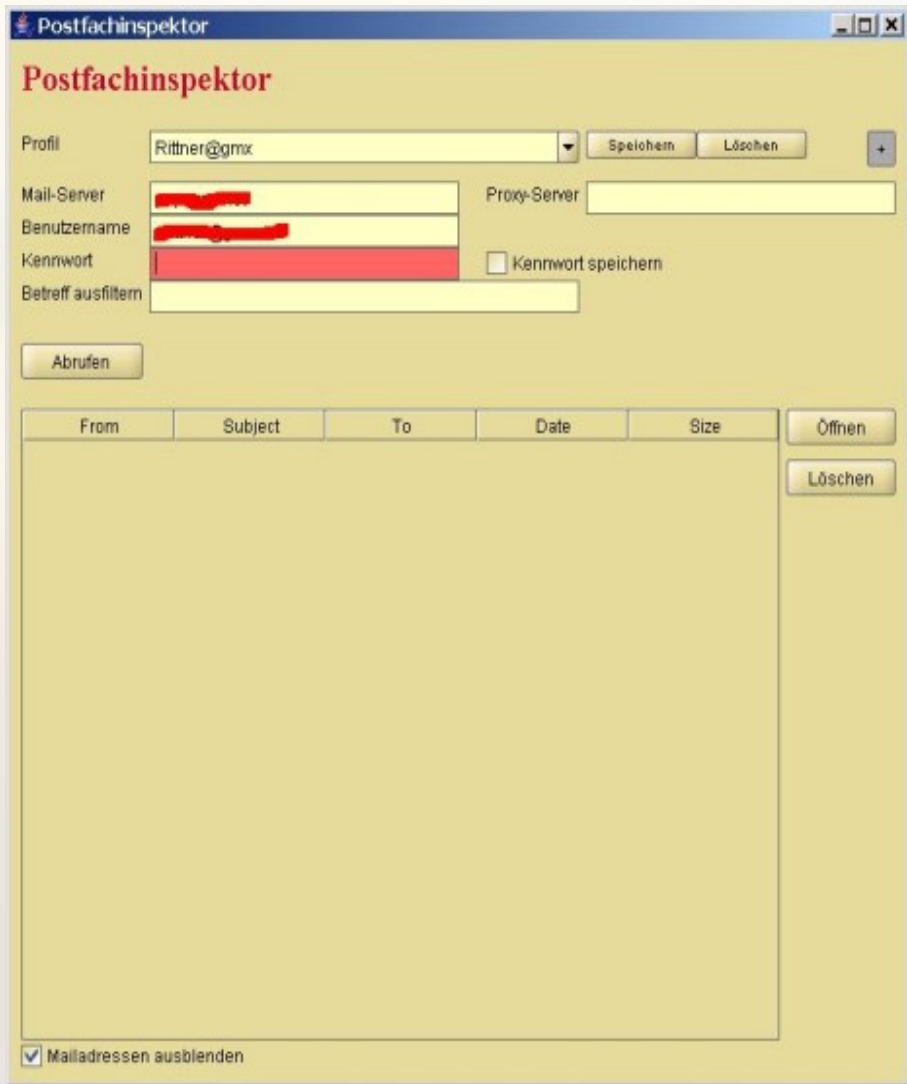
# 5. API Support Templates



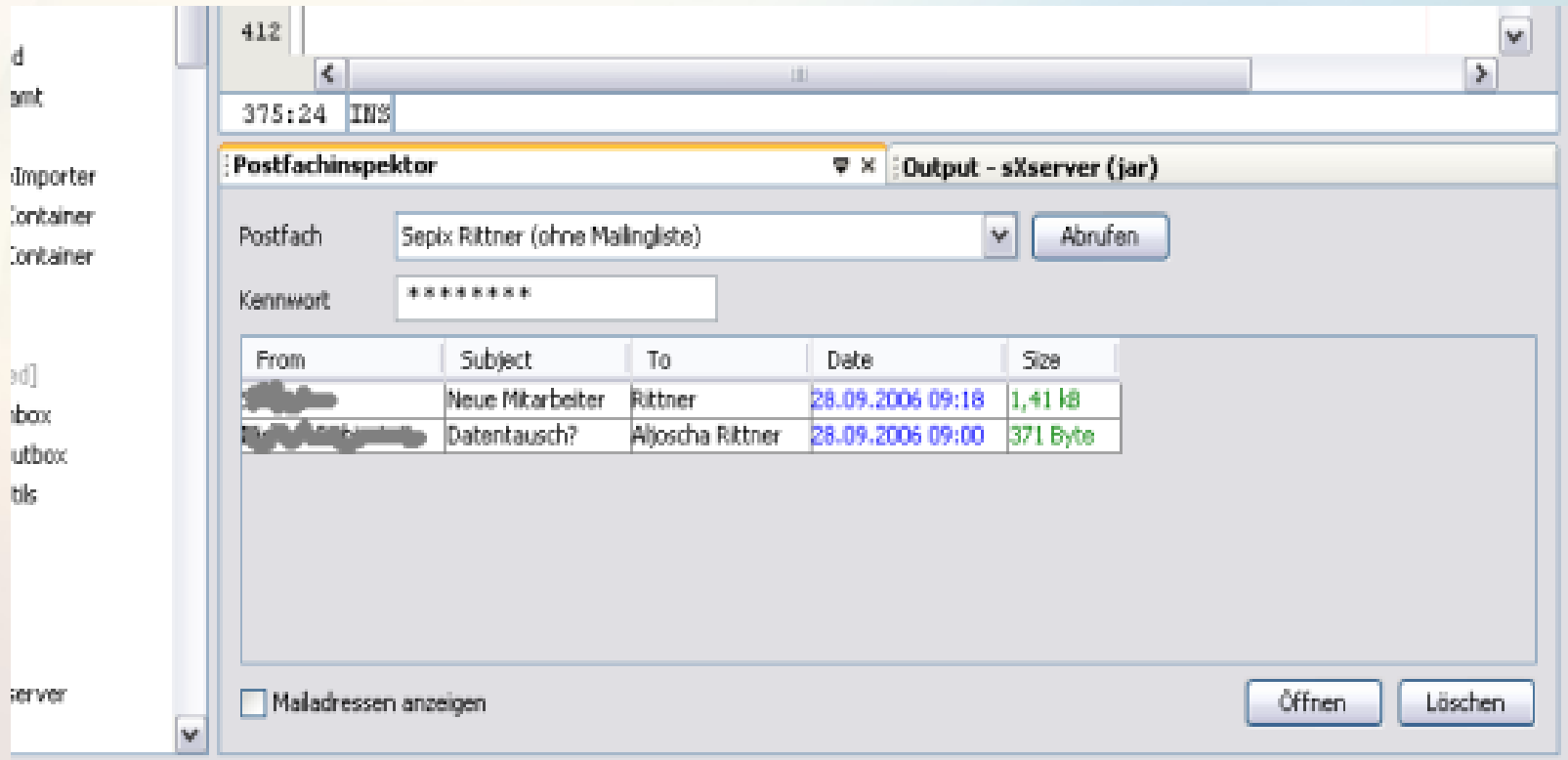
# 5. API Support Templates (2)



# 6. Portierung einer Swing Anwendung



# 6. Portierung einer Swing Anwendung (2)



# 7. Integration von 3<sup>rd</sup> party Bibliotheken

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 nach 'open source java api'

# Verteilung von Modulen/Plugins

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1. Email/Upload irgendwo/usb stick...
2. <http://plugins.netbeans.org/PluginPortal/>
3. Ein eigenes Update Center!

# Fragen & Antworten

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