@EclipseScout
Tutorial

Mathias Zimmermann
Matthias Villiger
Judith Gull

Eclipse Con Europe 2012

BSI Business Systems Integration AG
What is Scout?

- Open Source **Java/Eclipse** Client Framework
- Designed for **Business Applications**
- **Multi Frontend** (Desktop, Web, Mobile)

What is Scout?

• Open Source **Java/Eclipse** Client Framework
• Designed for **Business Applications**
• **Multi Frontend** (Desktop, Web, Mobile)

**Boost productivity**
**Simple to learn**

History

Eclipse "birth" 1999
Eclipse Foundation 2004
Scout "birth" 2007
Scout based on Eclipse 2011
Eclipse Scout 3.7.0 2012
Eclipse Scout 3.8.0 2013
Eclipse Indigo
Eclipse Juno
Eclipse Kepler
Deployments

20’000 Clients
60 Countries
16 Languages
What is a Scout App?
Overview

Application

Scout

Swing   SWT   RAP

Eclipse
Integration

Client
- UI
- Client Model

Server
- Application Layer
- Business Services

ESB
- Data Access

Scout
- Client
- Server
Services “Everywhere”

Client
- UI
- Client Model

Server
- Application Layer
- Business Services
- ESB
- Data Access

Scout Client
Scout Server
Desktop Application
Web Application
Mobile Application
Hello World
Hello World
Scout SDK
Scout Explorer
Demo/Tutorial
This Tutorial

Goal:
- Add Chat Functionality to Basic Scout Application
- Get a basic understanding of Scout
## Initial Workspace Overview

### Plugins

<table>
<thead>
<tr>
<th>Category</th>
<th>Packages</th>
</tr>
</thead>
<tbody>
<tr>
<td>GUI</td>
<td>org.eclipse.scout.bahbah.ui.rap</td>
</tr>
<tr>
<td></td>
<td>org.eclipse.scout.bahbah.ui.swt</td>
</tr>
<tr>
<td></td>
<td>org.eclipse.scout.bahbah.ui.swing</td>
</tr>
<tr>
<td>Client Model</td>
<td>org.eclipse.scout.bahbah.client</td>
</tr>
<tr>
<td>Shared</td>
<td>org.eclipse.scout.bahbah.shared</td>
</tr>
<tr>
<td>Server</td>
<td>org.eclipse.scout.bahbah.server</td>
</tr>
<tr>
<td></td>
<td>org.eclipse.scout.bahbah.security</td>
</tr>
</tbody>
</table>
Initial Workspace Overview
Servlets and Security Filters
Initial Workspace Overview

Database Access

1. Derby JDBC Driver in Server Products
2. Scout Derby Plugin in Server Manifest
   - Defining SQL Style & Scout Derby SQL Service
3. DerbySqlService Registration
4. DerbySqlService Configuration in config.ini
   - Database location
   - Username
   - Password
5. Config in Service vs. config.ini
   - Defaults in Service
   - Environment dependant Settings in config.ini
Initial Workspace Overview

User Administration, Permissions, Roles & Access Control
Initial Workspace Overview

Client Notifications
Now What?
What’s next

• Download Scout www.eclipse.org/downloads
• Try the tutorials wiki.eclipse.org/scout

More on Mobile: **Eclipse Scout Goes Mobile**
  • **Tomorrow**, 14:00 - 14:30
  • Room: Theater Stage

Write your own Scout applications
  • Talk to us in the **Scout forum**
  • Follow Scout @EclipseScout
@EclipseScout
eclipse.org/scout

Tx

BSI Business Systems Integration AG