# Eclipse Scout

## Creation Review, April 7th, 2010

**Project Leads: Matthias Zimmermann, Andreas Hoegger**

# Eclipse Scout

## Background

Business application developers face many recurring requirements. Implementing these should not require a significant amount of time. Instead, developers should be able to concentrate on understanding and implementing business cases.

## Goals

1. Reducing development time for SOA and J2EE business applications based on the Eclipse platform
2. Providing a low entry barrier into building such applications.

# Driving Values

## Stability

Ensure that Eclipse Scout runs stable in every environment.

## Flexibility

Allow for extension, enhancements, and adaptaion of Eclipse Scout and Scout SDK (Tooling for Scout) by providing Eclipse compliant extension points.

## Simplicity

Evaluate every additional layer and abstraction carefully of its usefulness to keep the framework as light and simple as possible.
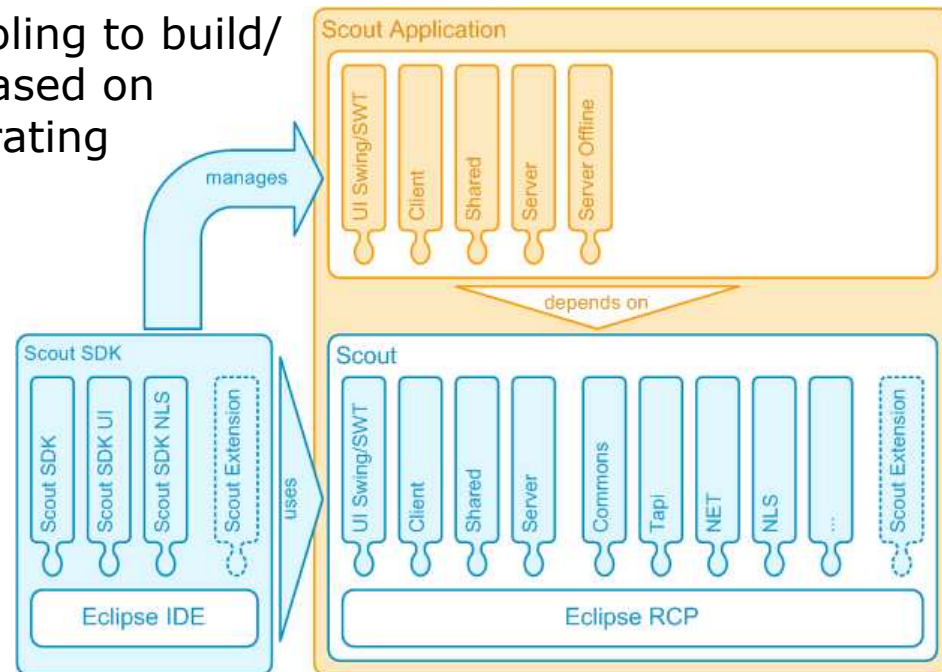
# Project Scope

This proposal covers two main parts: Scout and Scout SDK, both are realized as fully compliant Eclipse plugin set.

**Scout** provides an application model, a reference implementations, and utilities proven to be useful for business application development.

The **Scout SDK** provides the tooling to build/ manage business applications based on Scout. This is achieved by generating pure Java code.

# Main Features

## Main Features of Scout

- Scout application model for a clear and simple definition of business applications.
- Abstract UI component model including Swing and SWT/JFace representations.
- Exchangeable client server communication. A reference implementation using HTTP(S)
- Remote service infrastructure.
- Client notification for communication from the server to the clients
- Support for integrating 3rd party libraries and applications

## Main Features of Scout SDK

- Wizard support for managing the Scout application model.
- Real time synchronization of the application model and Java code.
- Tooling for implementation of application services, and multi-language support.
- Tooling for providing/consuming web services
- Build and launch support for Scout applications.

# Relations to Projects

| | |
|---|---|
| **PDE** | Strong dependencies, including the plugin model |
| **JDT** | Strong dependencies, including type and compilation unit abstraction |
| **Equinox** | Equinox implementation is used on both the client and the server side |
| **BIRT** | Support for BIRT is scheduled |
| **RAP** | Support for RAP is scheduled |
| **Riena** | Friendly co-existence |
| **ECF** | Currently evaluating |
| **Swordfish** | Currently evaluating |
| **EclipseLink** | Currently evaluating |
| **EMF** | Scout application model will become an extension of the e4 workbench model |

# Initial Committers

## Andreas Hoegger (BSI)

Andreas Hoegger is a senior IT architect for Eclipse based business solutions and a driving force behind the BSI's involvement with Eclipse. He is the main source code contributor for the Eclipse Scout SDK.

## Ivan Motsch (BSI)

Ivan Motsch is a senior solution architect with comprehensive knowledge regarding Java/J2EE/Eclipse/Equinox, middle ware technologies, security, etc. He has been driving the Scout framework since 1998 and is the main source code contributor for the runtime part of Eclipse Scout.

## Hannes Müller (BSI)

Hannes Müller is one of our most experiened software developers for products based on the Scout framework. He is responsible for the development of BSI CRM, also based on Eclipse Scout.

## Stephan Leicht (BSI)

Stephan Leicht is a senior software developer with broad knowledge of Eclipse Scout. He has worked as technical lead on several projects based on the Scout Framework and takes responsibility in solving bugs on in the Scout Framework.

# Mentors

## Architecture Council Members

- Jochen Krause       (Innoopract)
- Markus Knauer       (Innoopract)
- Thomas Schindl      (BestSolution.at)

# Interested Parties

## Positive Feedback from Organisations

- compeople
- EclipseSource
- Weigle Wilczek
- schlag & rahm

## Positive Feedback from Individuals

- Gilles J. Iachelini
- Aleksey V. Zapparov
- Benjamin Muskalla (EclipseSource)
- Frank Gerhardt (Gerhardt Informatics Kft.)
- Michael Pucher (affinis)
- Tonny Madsen (The RCP Company)
- Ricco Deutscher (Sopera)

# Code / Licencing

## Initial Code Contribution

- BSI AG holds all copyrights
- Functionality described in this proposal will be provided by BSI AG.
- All source code will be released under EPL licencing
- Eclipse Scout is applying for the parallel IP process

# Schedule

## 2010

- Proposal presentation at EclipseCon
- Project status, source code in Eclipse repository
- BIRT / Jasper integration

## 2011

- Web frontend integration
- Participation in the annual Eclipse release train

# Links

**Proposal**

http://www.eclipse.org/proposals/scout/

**Forum**

http://www.eclipse.org/forums/index.php?t=thread&frm_id=174

**Wiki**

http://wiki.eclipse.org/scout

**Blog**

http://www.bsiag.com/scout/