

# Use Case BSI CRM

## Deploy to Desktop, Web & Mobile

Since over ten years BSI delivers business applications built on Scout. Today, over twenty thousand end user daily work with one of our products, BSI CRM, BSI Contact, and BSI CTMS.

At BSI we rely on the production quality of the Eclipse Scout framework. While we gather requirements in workshops with our clients we use Scout to build prototypes using dummy services and test data. This is a great way to validate our clients' ideas at a very early stage. Thanks to Scouts' Multi-frontent capability even the prototypes are running on the desktop, in the browser and on mobile devices. As the project moves along, the specification solidifies allowing to refine the software to the customers application.



## Training, consulting and support from the experts

BSI published Scout in 2011 under the Eclipse Public License (EPL). Eclipse Scout is an excellent choice for prototyping, building new applications or modernizing legacy applications. Benefits of Scout include user-friendly interfaces, savings in cost and development time, and flexible integration into existing software environments. If you decide to evaluate Eclipse Scout, ask BSI for consulting and training to maximize your value.

For further information please contact Matthias Zimmermann at [scout@bsiag.com](mailto:scout@bsiag.com).

**BSI** Business Systems Integration AG  
[www.bsiag.com/eclipse](http://www.bsiag.com/eclipse)  
[www.eclipse.org/scout](http://www.eclipse.org/scout)

 **bsi**  
 meet your clients

# Eclipse Scout



**Boost your productivity**

**Reduce your training costs**

**Deploy to desktop, web & mobile**

## **Create business applications**

**Eclipse Scout is the perfect choice for an open source business application framework. It is simple to learn and substantially reduces development time for client-server software. User-friendly applications are easily implemented with Scout's comprehensive set of user interface components. Completely based on Java/Eclipse, Scout applications integrate well in existing IT environments.**

# Scout Runtime

## Boost your productivity

**Eclipse Scout allows you to focus on the added value your software creates. Many recurring technical aspects are already addressed by the Scout's core concepts. Scout also comes with proven utility functions and a large collection of mature UI components.**

Eclipse Scout allows you to focus on the added value your software creates. Many recurring technical aspects are already addressed by the Scout's core concepts. Scout also comes with proven utility functions and a large collection of mature UI components.

Eclipse Scout is ideally suited for building modern, user-friendly business applications. The Scout runtime framework covers most recurring aspects of implementation on both the client and the server side.

Scout supports various UI technologies out of the box. Depending on your needs, you decide to build applications for mobile devices, the browser or the desktop. Mobile and web applications are based on Eclipse RAP. Desktop clients are based on either Swing or SWT.

For seamless integration into a service-oriented IT architecture, Scout offers direct support for Web services based on JAX-WS. To access relational databases other than Apache Derby, connectors are also available for non-EPL compatible databases such as Oracle, MySQL, PostgreSQL, or DB2.

### Completely based on Java/Eclipse standards:

Scout applications run stably on most Web servers and are easy to integrate in existing IT environments.

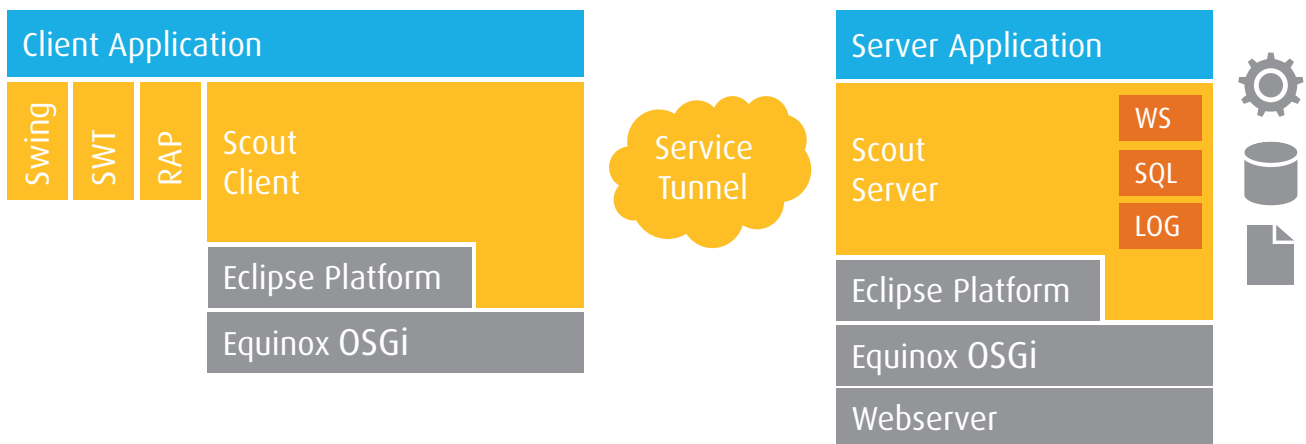


Illustration of a typical Scout application architecture:

The client part (on the left) runs on top of the Eclipse platform, either as a rich client (Swing/SWT) or a web/mobile client (RAP). The service tunnel realizes the communication to the Scout server (on the right) which runs on standard web servers and offers back-end connectivity. Access to external Web services (WS) and databases (SQL) is directly supported by the framework.

# Scout SDK

## Reduce your training costs

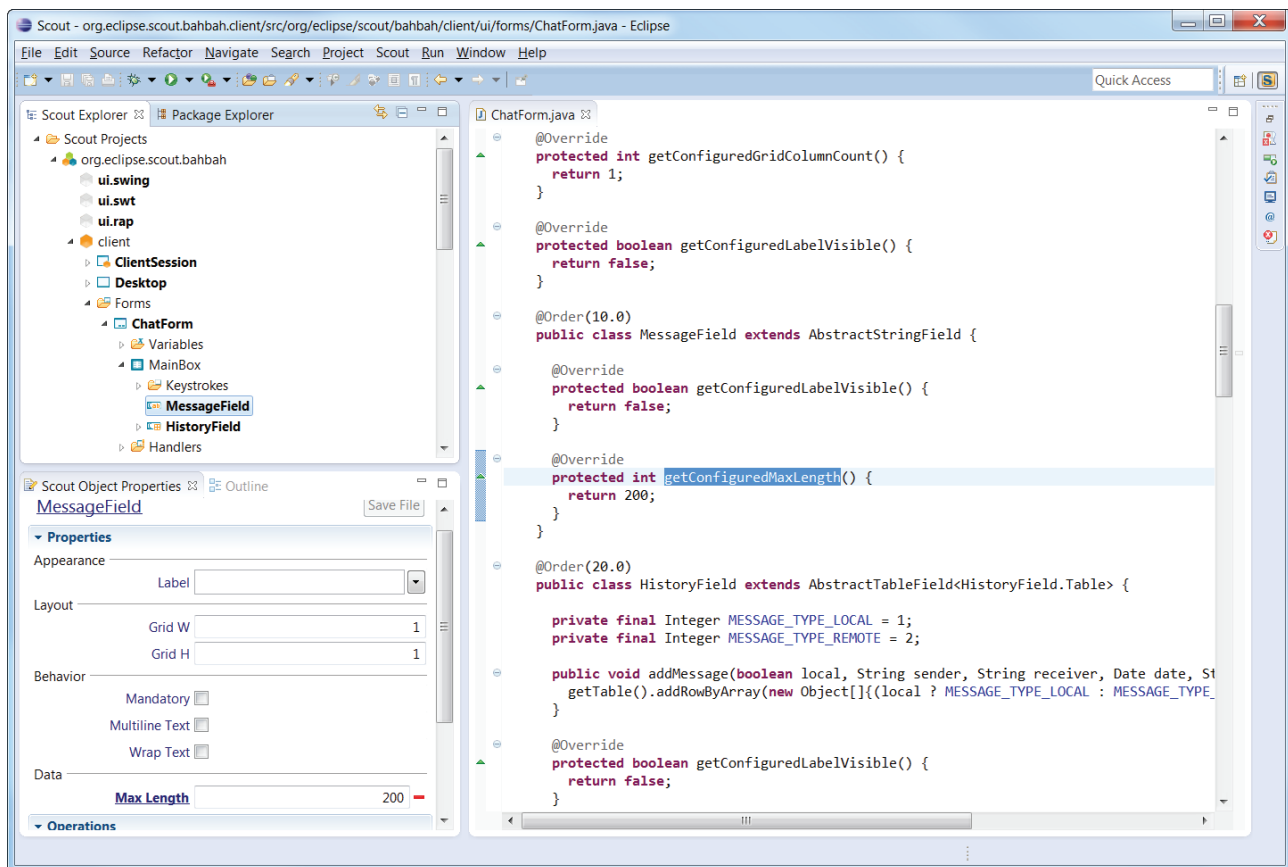
**The Scout SDK is the tooling provided with Eclipse Scout. It keeps working with Eclipse Scout as simple as possible. Navigation support for the application model and intuitive component wizards provide the ideal environment to beginners for building complete, high-quality Scout applications.**

The Scout SDK contains the Scout Explorer, the Scout Objects Properties view, and a wide range of wizards. The user navigates through the application model in the Scout Explorer. The Scout Objects Properties view provides direct access to the available Scout properties for the selected element in the Scout Explorer. The wizards support the creation of application components, such as dialogues on the client side or services on the server side by generating the necessary Java code.

The Scout SDK provides round-trip-engineering for the application model and the Java source files. Each developer in a team is free to decide on an individual basis whether

to work in the Scout perspective, the Java perspective, or to switch back and forth between the two.

Eclipse Scout is very friendly to Java developers. Thanks to the Scout SDK tooling, only a rough understanding of the underlying Eclipse/OSGi/J2EE technologies is required. Implementation and deployment of a „hello world“ application takes less than 10 minutes. And after just two days of Scout training, Java developers can create their own complex multi-tier business application. As Scout is fully based on Java/Eclipse standards, developers may take full advantage of existing Java/Eclipse know-how.



This screenshot of the Scout SDK shows how a dialogue form is created: The specifications of the MessageField highlighted in the Scout Explorer are listed in detail in the Scout Object Properties view and shown as Java code in the column to the right.