



@EclipseScout Workshop

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March 29th Eclipse Con 2012

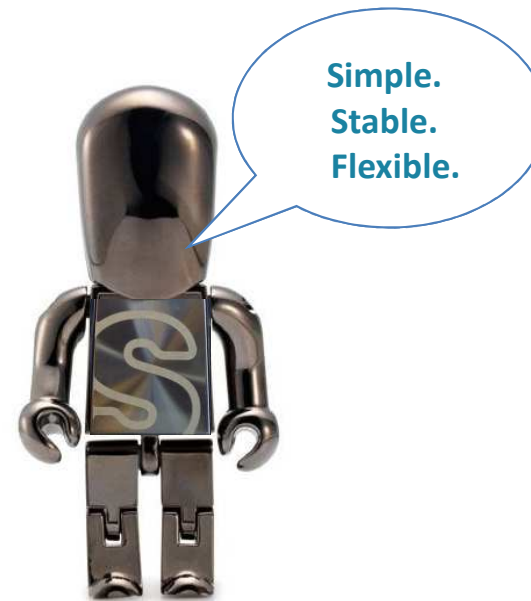


BSI Business Systems Integration AG

Scout



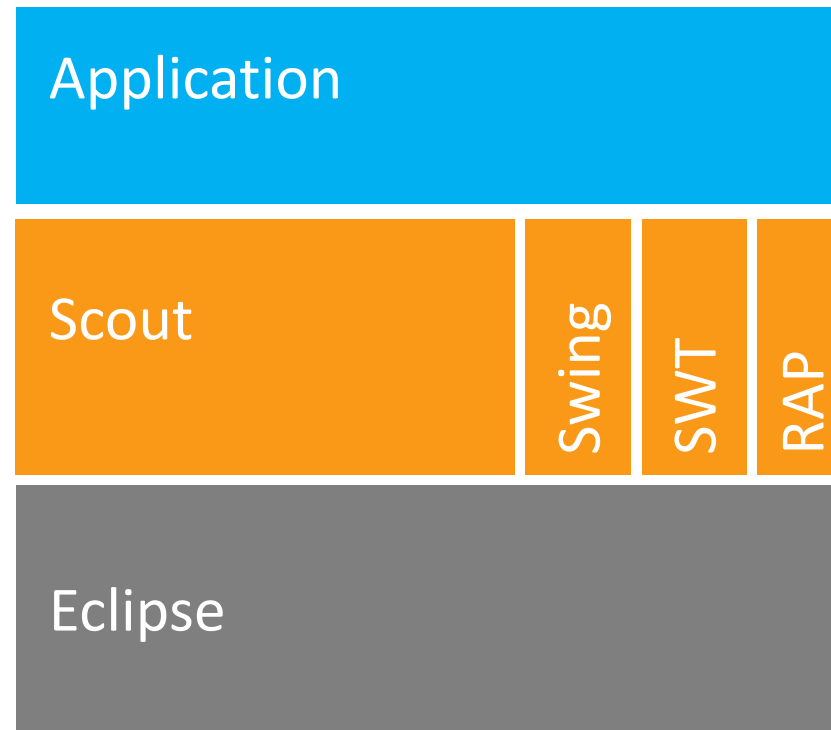
- Framework for **business applications**
- From **client** user interface **to server** services
- **Multifrontend** (Desktop, Web, Mobile)
- Boost developer productivity
- Simple to learn



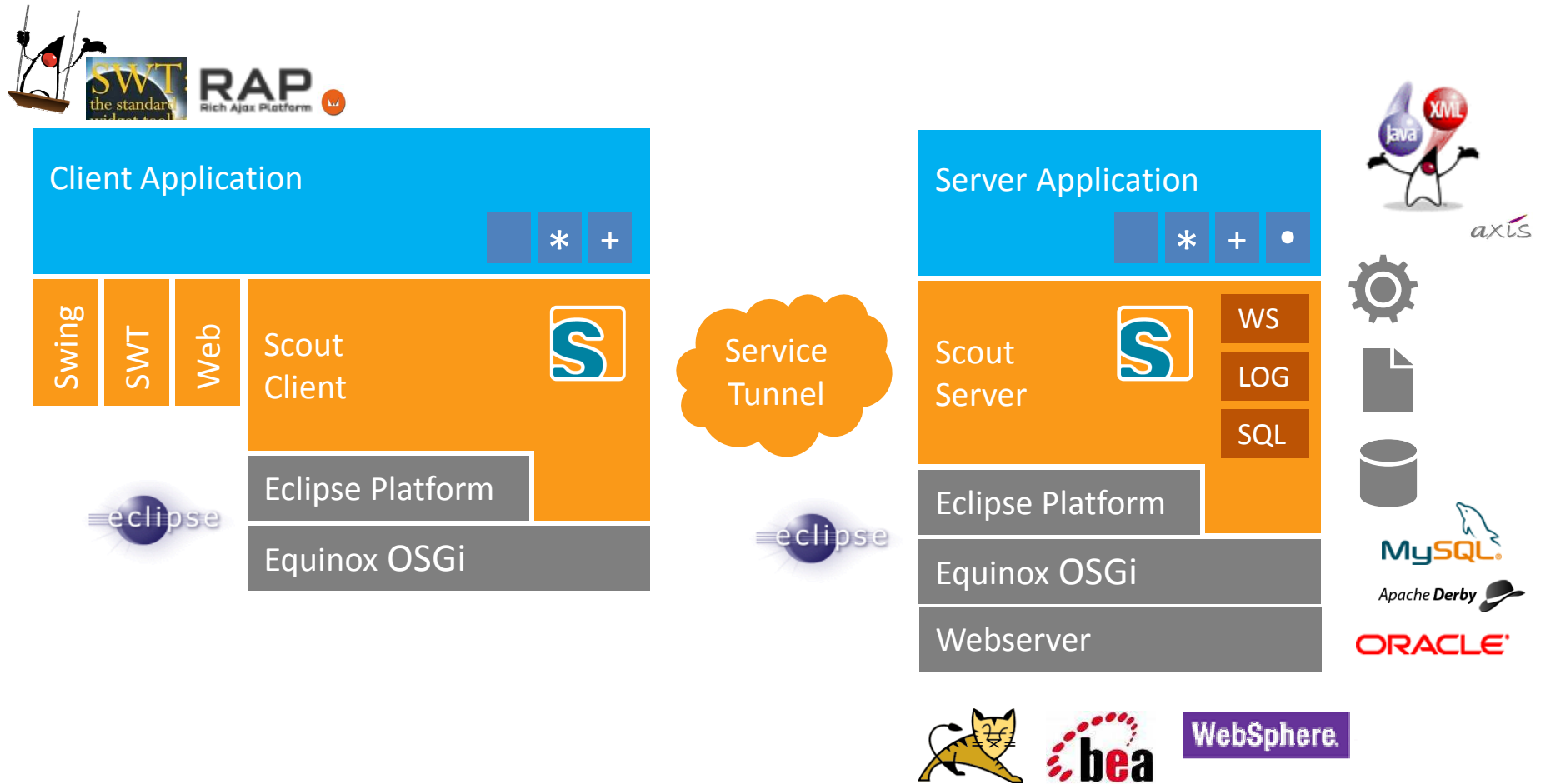
Inner Values



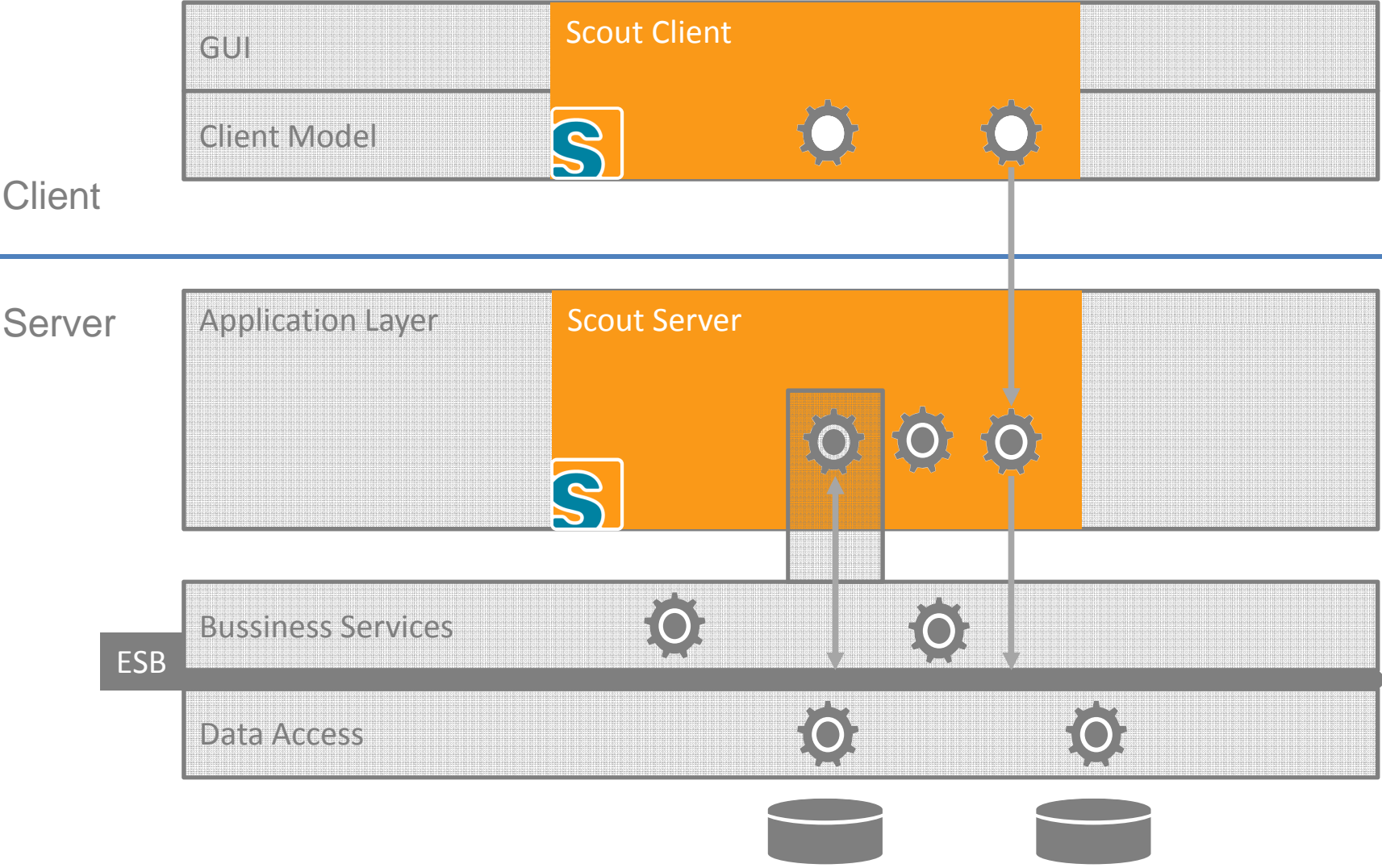
Anatomy



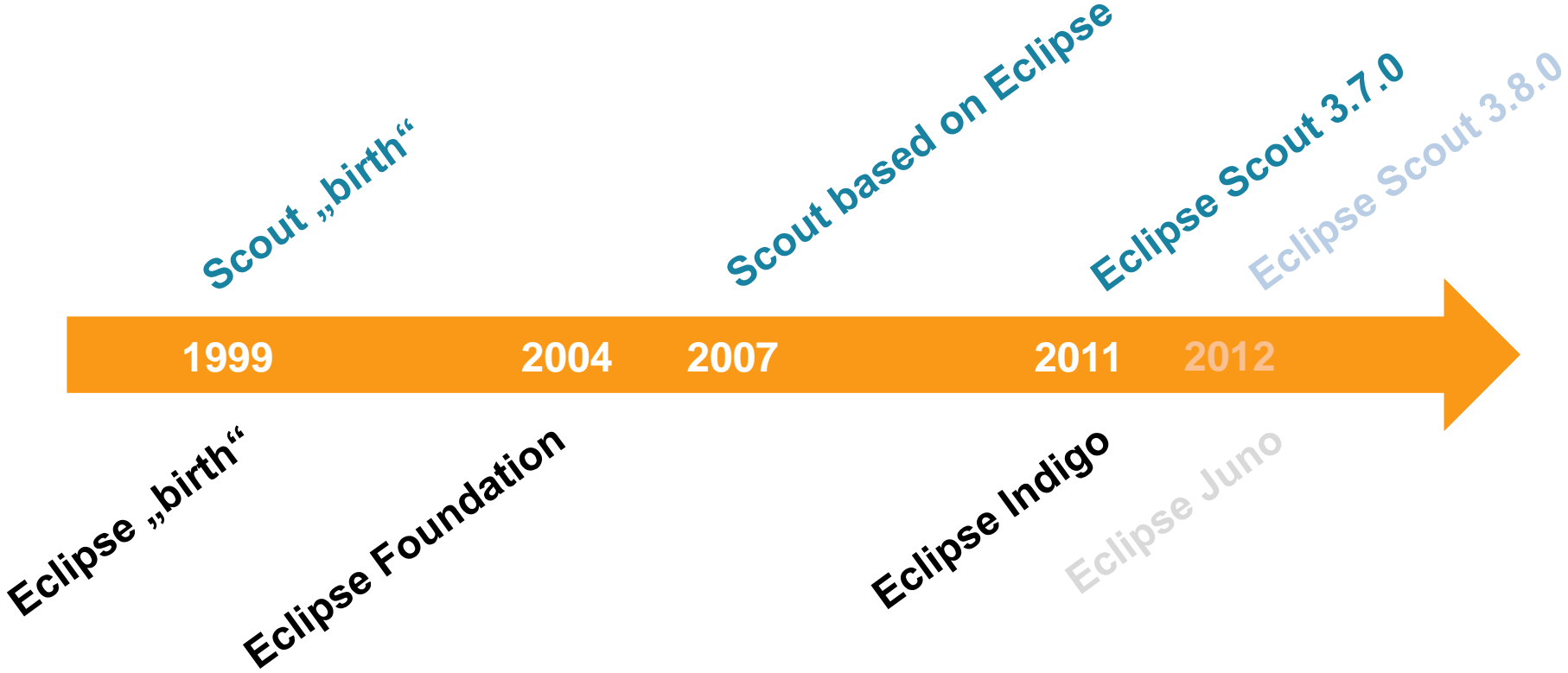
Architecture



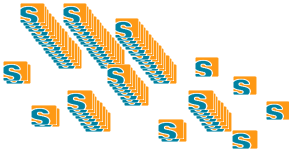
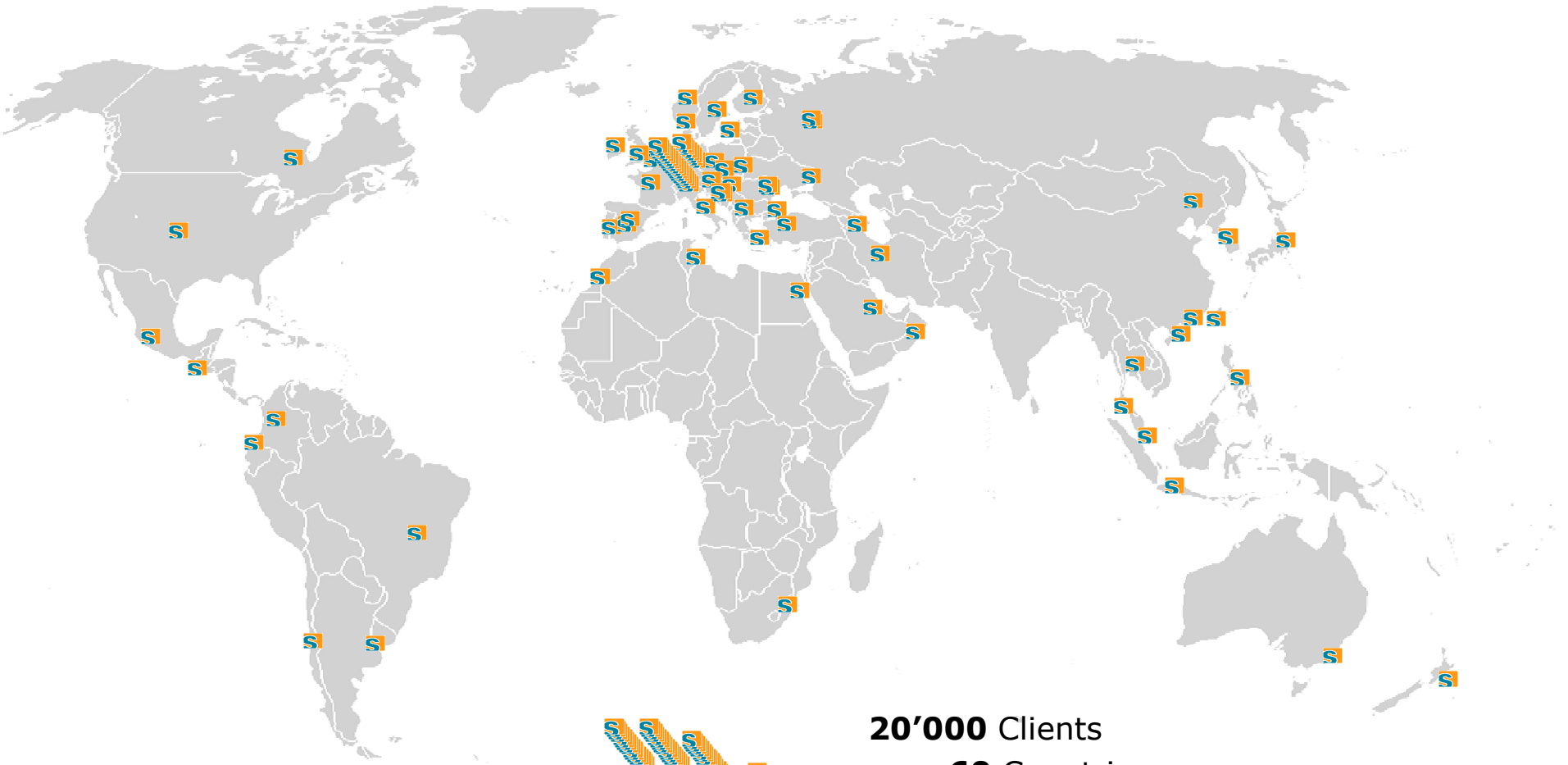
IT Landscape



History



Deployments



20'000 Clients
60 Countries
16 Languages



Desktop Application



The screenshot displays the BSI CRM desktop application interface. The main window is titled "BSI CRM - mzi" and features a navigation pane on the left with a tree view of entities like Companies, Mandates, Network, and Projects. The central area shows a list of contact persons for the "ECLIPSE FOUNDATION" company, with columns for Last name, First name, Language, and Function. A "Person" detail window is open on the right, showing fields for Name, First name, Company, Main representative, and various personal information fields. Below the list, a network diagram visualizes relationships between entities like "ECLIPSE FOUNDATION", "Ian Skerrett", "Ralph Müller", "Mike Miinkovich", and "Jens Thuesen".

Last name	First name	Language	Function
Beaton	Wayne	English	
Milinkovich	Mike	English	Corporate
Müller	Ralph	German	
Skerrett	Ian	English	Marketing

Person Detail Window:

- Name: Müller
- First name: Ralph
- Company: ECLIPSE FOUNDATI
- Main representative: Hoegger, Andreas (B)
- Active:
- No personal contact:
- Information on person:
 - Department: []
 - Title: []
 - Language: German
 - Job description: Europa Repräsentant
 - Salutation: Mr.
 - Birthdate: []
 - Function / Level: []



Web Application



The screenshot displays a web application interface for CRM. The browser address bar shows the URL: <https://services.bsiag.com/bsicrm/web#com.bsiag.crm.client.core.desktop.StandardOutline-Companies-ECLIPSE-FOUNDATION-Contact-person>. The interface includes a navigation tree on the left, a main form for editing a 'Person' record, and a bottom status bar with view options like 'Everything', 'Only Persons', 'Organic', 'Hierarchical', and 'Orthogonal'.

Navigation Tree (Left):

- Companies
 - ECLIPSE FOUNDATION
 - Corporate structure
 - Contact person
 - Skerrett, Ian (ECLIPSE FOUNDATION)
 - Milinkovich, Mike (ECLIPSE FOUNDATION)
 - Müller, Ralph (ECLIPSE FOUNDATION)
 - Beaton, Wayne (ECLIPSE FOUNDATION)
 - Mandates
 - Network
 - Target plan
 - Projects
 - Marketing
 - Installed basis
 - Payments
 - Tickets
 - Cases
 - Communication
 - Tasks
 - ECLIPSE SOURCE
 - ECLIPSE STAMMTISCH ZÜRICH 2011
 - Persons
 - Projects
 - Tickets
 - Communication
 - Tasks
 - Documents

Main Form (Right):

Person (Last name: Müller)

Name: Müller
First name: Ralph
Company: ECLIPSE FOUNDATION
Main representat...: Hoegger, Andreas (BSI BADEN)
 Active
 No personal contact

Information on person

Department: [] Title: []
Language: German Job description: EuropaRepräsentant Eclipse Foundat
Salutation: Mr. Birthdate: []
Function / Level: [] C-Level

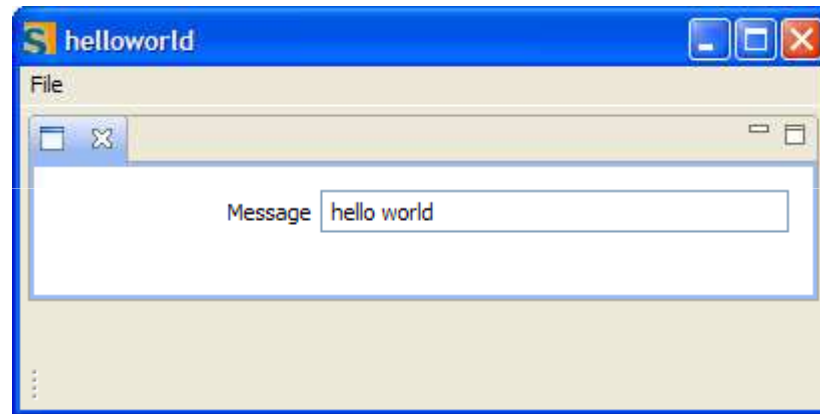
Bottom Bar: Address Notes Marketing Social media Informationen Documents Changes

Already exists? [] OK Cancel

Open as Graphic Open as PDF Everything Only Persons Organic Hierarchical Orthogonal 1 2 3 5 10



Hello World



BahBah Chat



The screenshot shows three overlapping browser windows displaying the BahBah Chat interface. The top window, titled "BahBah Chat - sheep - aho - Mozilla Firefox", shows a chat room with participants "sheep", "aho", and "mzi". The message history includes:

From	Time	Message
sheep	23:09:57	or have a beer, maybe?
aho	23:09:13	we could attend the scout tutorial

The middle window, titled "BahBah Chat - aho - sheep", shows a chat room with participants "aho", "sheep", and "mzi". The message history includes:

From	Time	Message
sheep	23:09:58	or have a beer, maybe?
aho	23:09:12	we could attend the scout tutorial

The bottom window, titled "BahBah Chat - mzi", shows a chat room with participants "mzi", "sheep", and "aho". The message history is empty. The browser address bar in all windows shows the URL: `localhost:8082/rp#org.eclipse.scout.bahbah.client.ui.desktop.outlines.StandardOutline`.



Scout SDK



Scout Perspective



Scout - org.eclipse.scout.bahbah.client/src/org/eclipse/scout/bahbah/client/ui/desktop/outlines/StandardOutline.java - Eclipse

```
package org.eclipse.scout.bahbah.client.ui.desktop.outlines;

import org.eclipse.scout.rt.client.ui.desktop.outline.AbstractOutline;

public class StandardOutline extends AbstractOutline {

    @Override
    protected String getConfiguredTitle() {
        return TEXTS.get("Standard");
    }

    @Override
    protected void execCreateChildPages(Collection<IPage> pageList) {
        UserNodePage buddiesNodePage = new UserNodePage();
        pageList.add(buddiesNodePage);
    }
}
```

StandardOutline (Standard) Save File

Properties

Appearance

Title Standard

Root Handles Visible

Behavior

Multi Select

Scroll To Selection

Operations

Appearance

Exec Decorate Cell

Business Logic

Exec Create Child Pages

Advanced Properties

Advanced Operations

Problems Progress Tasks Console Javadoc Error Log

No consoles to display at this time.

Writable Smart Insert 13 : 38

Scout Explorer



The screenshot displays the Eclipse IDE interface with the Scout Explorer plugin. The Scout Explorer on the left shows a project tree for 'org.eclipse.scout.bahbah' with a sub-project 'ui.rap'. Under 'ui.rap', there are folders for 'client', 'ClientSession', 'Desktop', 'Forms', 'Search Forms', 'Wizards', 'Local Lookup Calls', 'Services', 'All Outlines', 'StandardOutline (Standard)', 'All Pages', and 'Templates'. The 'StandardOutline (Standard)' folder is selected. The Package Explorer on the right shows the package structure for 'org.eclipse.scout.bahbah.client.ui.desktop.outlines'. The main editor window displays the source code for 'StandardOutline.java', which extends 'AbstractOutline'. The code includes an import statement for 'AbstractOutline' and two overridden methods: 'getConfiguredTitle()' and 'execCreateChildPages()'. The 'getConfiguredTitle()' method returns 'TEXTS.get("Standard")'. The 'execCreateChildPages()' method creates a 'UserNodePage' object and adds it to the 'pageList'. The Scout Object Properties view at the bottom left shows the properties for 'StandardOutline (Standard)', including 'Title' set to 'Standard', 'Root Handles Visible' checked, and 'Exec Create Child Pages' as an operation. The status bar at the bottom indicates 'Writable', 'Smart Insert', and '13 : 38'.

```
package org.eclipse.scout.bahbah.client.ui.desktop.outlines;

import org.eclipse.scout.rt.client.ui.desktop.outline.AbstractOutline;

public class StandardOutline extends AbstractOutline {

    @Override
    protected String getConfiguredTitle() {
        return TEXTS.get("Standard");
    }

    @Override
    protected void execCreateChildPages(Collection<IPage> pageList) {
        UserNodePage buddiesNodePage = new UserNodePage();
        pageList.add(buddiesNodePage);
    }
}
```

Scout Object Properties



The screenshot illustrates the configuration of Scout Object Properties for a specific object. The Scout Explorer on the left shows the project structure, with the **StandardOutline (Standard)** object selected (labeled 1). The Scout Object Properties dialog is open, showing the configuration for this object (labeled 2). The dialog is divided into sections: Properties, Operations, Advanced Properties, and Advanced Operations. The Properties section includes the Title (Standard), Root Handles Visible (checked), Multi Select (unchecked), and Scroll To Selection (unchecked). The Operations section includes Exec Decorate Cell (checked) and Exec Create Child Pages (unchecked). The editor on the right shows the Java code for StandardOutline.java, with the `getConfiguredTitle()` method highlighted (labeled 3).

```
package org.eclipse.scout.bahbah.client.ui.desktop.outlines;  
  
import org.eclipse.scout.rt.client.ui.desktop.outline.AbstractOutline;  
  
public class StandardOutline extends AbstractOutline {  
  
    @Override  
    protected String getConfiguredTitle() {  
        return TEXTS.get("Standard");  
    }  
  
    @Override  
    protected void execCreateChildPages(Collection<IPage> pageList) {  
        UserNodePage buddiesNodePage = new UserNodePage();  
        pageList.add(buddiesNodePage);  
    }  
}
```

Demo



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Now What?



What's next



- Download Scout
- Try the tutorials wiki.eclipse.org/scout
- Write **your own** Scout applications
- Talk to in the **Scout forum**
- Follow Scout **@EclipseScout**

Join us tomorrow 13:30-14:15 [Regency Ballroom B](#)

User friendly business apps for desktop and web



@EclipseScout
eclipse.org/scout

Tx



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