

Eclipse Scout

What's new in Kepler?



Zuerich Demo Camp 27. Juni 2013
Andreas Hoegger, Matthias Zimmermann

What is Eclipse Scout?

- Framework for **Business Applications**
- Based on **Java/Eclipse** platform
- **Multi Frontend** (Mobile, Web, Desktop)



Scout is part of the Eclipse Release Train since 2011

What is Eclipse Scout?

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Scout Goals

- **Long term** strategy
- Boost developer **productivity**
- **Simple** to learn

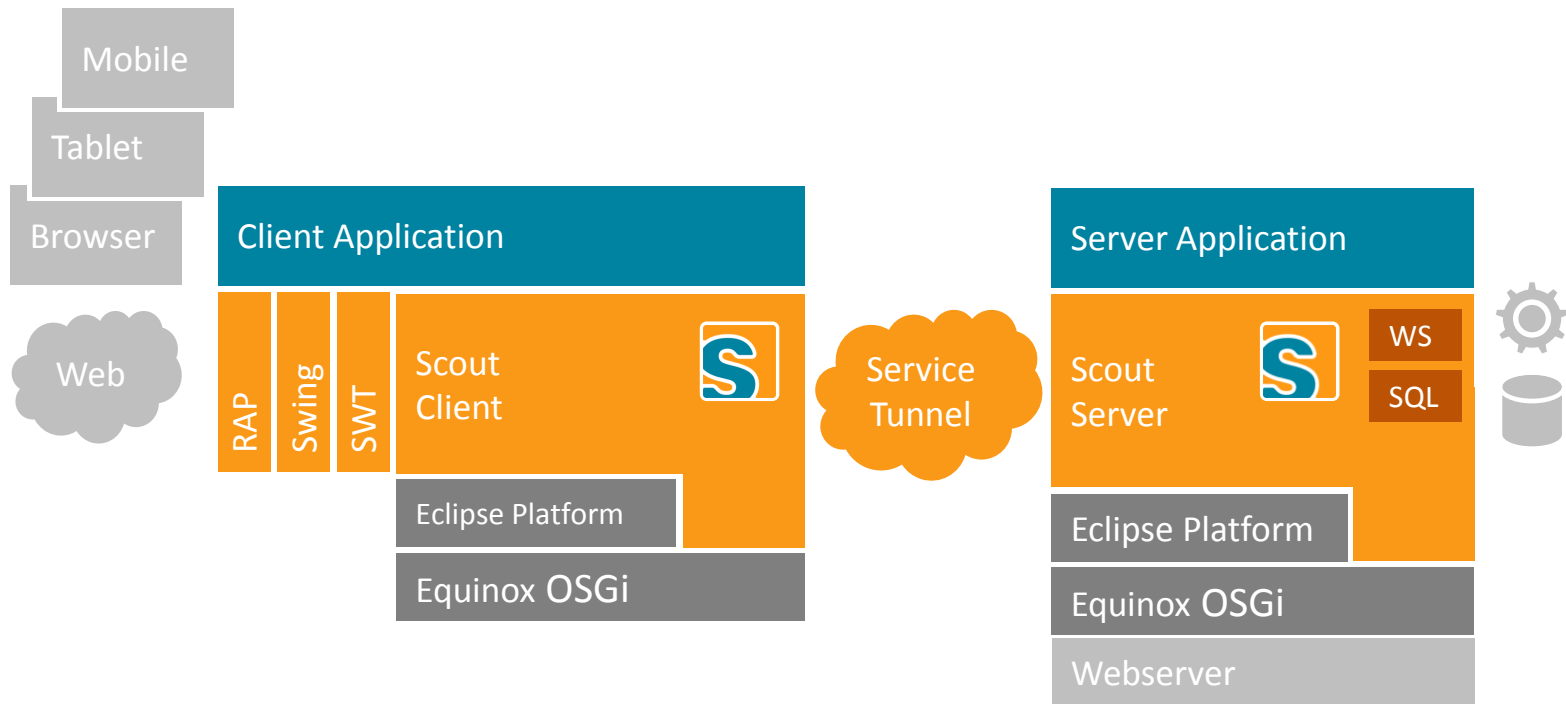


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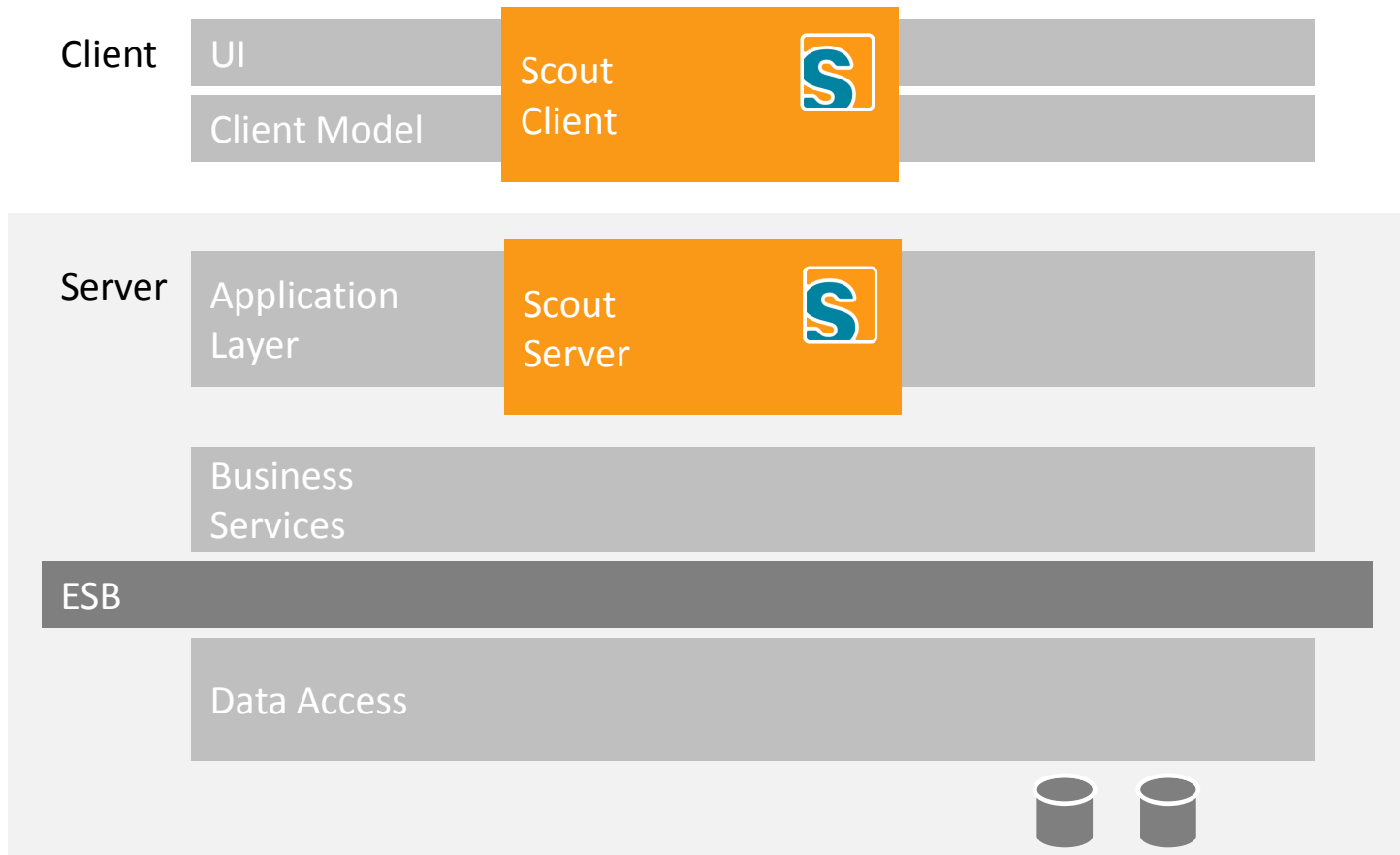
An Eclipse Scout Business Application



Application Architecture



Enterprise Integration



Swing

BSI CRM - mzi

bsi-crm

Standard view | My view | Reports | Marketing | Contact Center | Human Resources

Companies

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

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

4 objects, 1 selected

Person

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 C-Level

Address Notes Marketing Social media Informationen Documents Changes

Already exists?

```

    graph TD
      ECLIPSE[ECLIPSE FOUNDATION]
      BSI[BSI SCOUT OpenSource]
      Catherine[Catherine Crowden]
      Ian[Ian Skerrett]
      Ralph[Ralph Müller]
      Mike[Mike Milinkovich]
      Jens[Jens Thuesen]

      ECLIPSE -- influence --> BSI
      ECLIPSE --> Ian
      ECLIPSE --> Ralph
      ECLIPSE --> Mike
      ECLIPSE --> Jens
      Catherine -- "Main representative" --> Ian
      Ian -- "Account manager" --> Ralph
      Ralph -- "Main representative" --> Mike
      Jens -- "Main representative" --> Mike
  
```

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

Web (Eclipse Rap)

BSI CRM - mzi

BSI CRM - mzi - Firmen - Firma x

https://services.bsiag.com/bsicrm/web#com.bsiag.crm.client.core.desktop.StandardOutline-Firmen-ECLIPSE-FOUNDATION-Ansprechpartner

Standardsicht Eigene Sicht Reports Marketing Contact Center Human Resources

Firmen

- ECLIPSE FOUNDATION
 - Konzernstruktur
 - Ansprechpartner
 - Skerrett, Ian (ECLIPSE FOUNDATION)
 - Milinkovich, Mike (ECLIPSE FOUNDATION)
 - Müller, Ralph (ECLIPSE FOUNDATION)
 - Beaton, Wayne (ECLIPSE FOUNDATION)
 - Mandate
 - Netzwerk
 - Target Plan
 - Projekte
 - Marketing
 - Installierte Basis
 - Zahlungen
 - Tickets
 - Geschäftsvorfälle
 - Kommunikation
 - Aufgaben
- ECLIPSE SOURCE
- ECLIPSE STAMMTISCH ZÜRICH 2011
- Personen
- Projekte
- Tickets
- Kommunikation
- Aufgaben
- Dokumente

Nachname	Vorname	Sprache	Funktion	Level	Hauptbetreuer	Telefon	Mobile	E-Mail
Skerrett	Ian	Englisch	Person					
Milinkovich	Mike	Englisch						
Müller	Ralph	Deutsch						
Beaton	Wayne	Englisch						

4 Objekte, 1 ausgewählt

Jens Thuesen

BSI SC OpenS

Ralph Müller

Andreas Hoegger

als Grafik öffnen als PDF öffnen Alles Nur Personen Organisch Hierarchisch Orthogonal 1 2 3 5 10

Person

Name: Müller

Vorname: Ralph

Firma: ECLIPSE FOUNDATION

Hauptbetreuer: Hoegger, Andreas (BSI BADEN)

Aktiv
 Unpersönlich

Angaben zur Person

Abteilung: _____ Titel: _____

Sprache: Deutsch Stellenbeschr.: EuropaRepräsentant Eclipse Foundat

Anrede: Herr Geburtsdatum: _____

Funktion / Level: _____ C-Level

Adresse Bemerkungen Marketing Social Media Informationen Dokumente Änderungen

Name	Beschreibung	Dokumenttyp	Erfasst am	Erfasst von
Ralph_Mueller.jpg	portrait	Dokument in Datenbank	31.03.2009	Hoegger, Andreas (BSI BADEN)

Neues Dokument...

Existiert bereits?

SWT with Lotus Notes

The screenshot displays the IBM Lotus Notes CRM interface. The main window shows a contact record for 'Stephan Leicht' with details such as name, email, and phone. A 'Projekt' (Project) form is open, detailing a project named 'Unproduktive KA 10' for customer 'BSI BADEN'. The form includes fields for project name, number, price, budget, and various dates. A 'Kontakte' (Contacts) table is visible on the right, showing a list of contacts with columns for 'Betreff', 'Starttermin', and 'Kontaktstatus'. The 'Projekt' form also includes a 'Termin' (Term) section with dates for 'Anfragedatum', 'Nachfassdatum', 'Offertendatum', and 'Gültigkeitsdatum'.

Project Form Data:

Projektkurzname	Unproduktive KA 10	Kunde	BSI BADEN
Projektname		Status	Bestellung
Projekt Nr.	10-01	Hauptprojekt	
Verkaufspreis	8,000,000.00	Projektbudget	
MwSt. [%]	7.60	Währung / Kurs	CHF 18.Mrz.09: 1.00
Preis inkl. MwSt	8,608,000.00		
Verkäufer	Rusche, Christian (BSI BADEN)	Chancen Prj	100 %
Projekteigner	BSI	Chancen BSI	100 %
Projektleiter	Rusche, Christian (BSI BADEN)	Projektart	Aufwand
Vertragsnummer	.	Interessengrad	

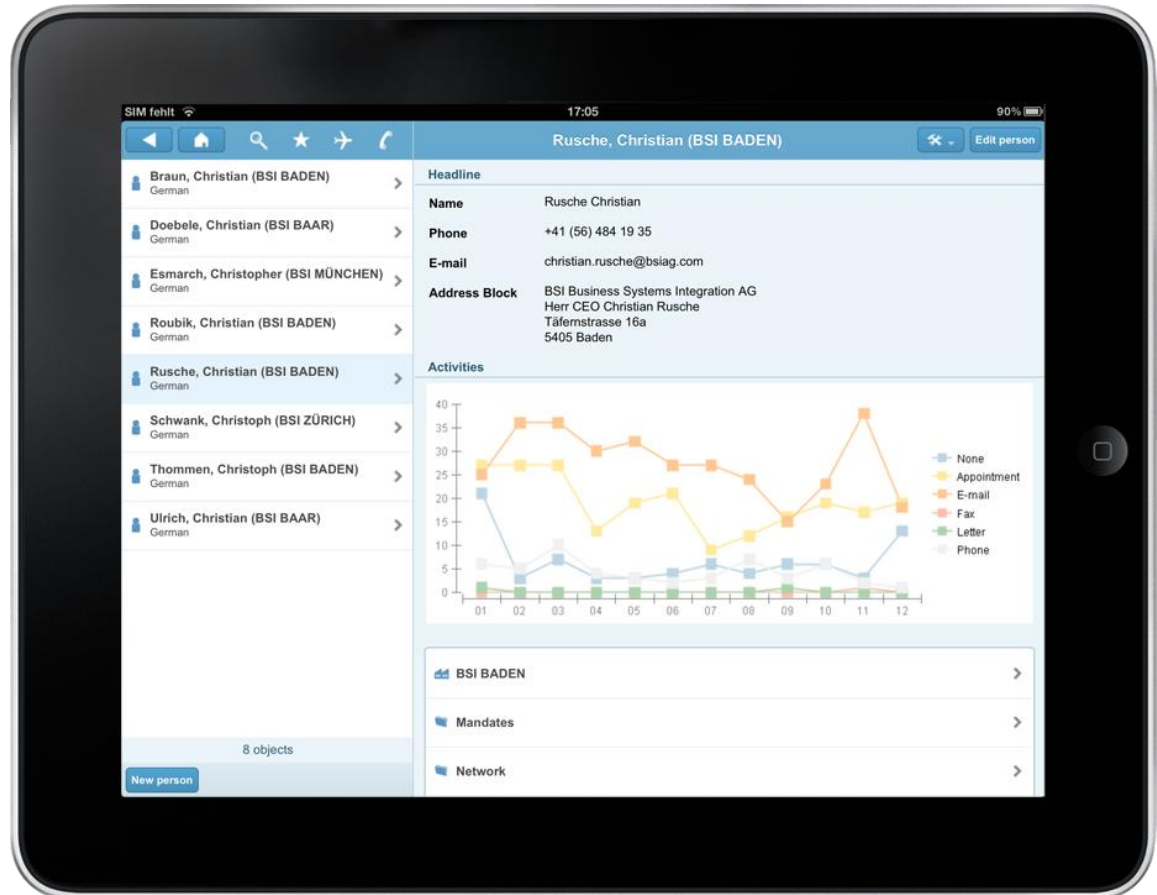
Contacts Table Data:

Betreff	Starttermin	Kontaktstatus
test	Feb 14, 2011	Geplant

Project List Data:

Projektkurzname	Status
BSI SCOUT 3.14, 2010 Dec	Bestellung
Unproduktive KA 10	Bestellung
BSI Lehrlinge 2010	Bestellung
BSI Infrastruktur 2010	Bestellung
BSI Verkauf & Marketing 2010	Bestellung

Mobile



Eclipse Scout Mobile

Motivation

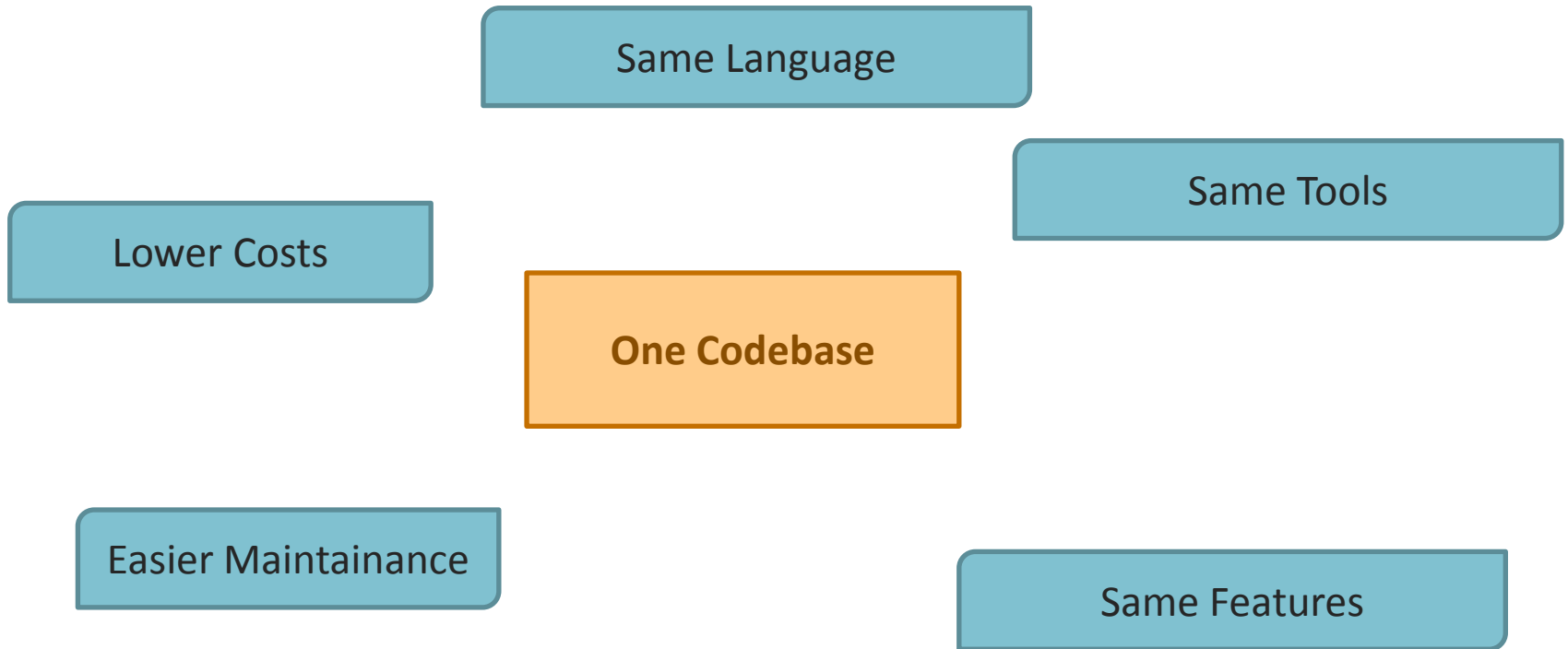


Issues

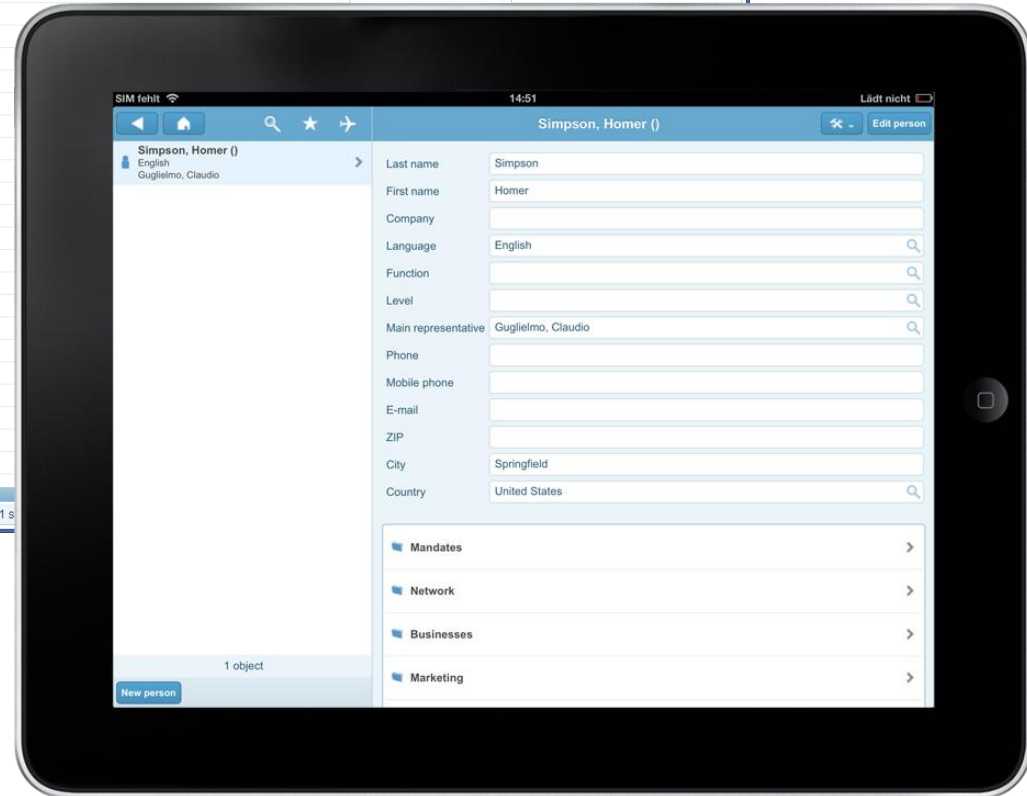
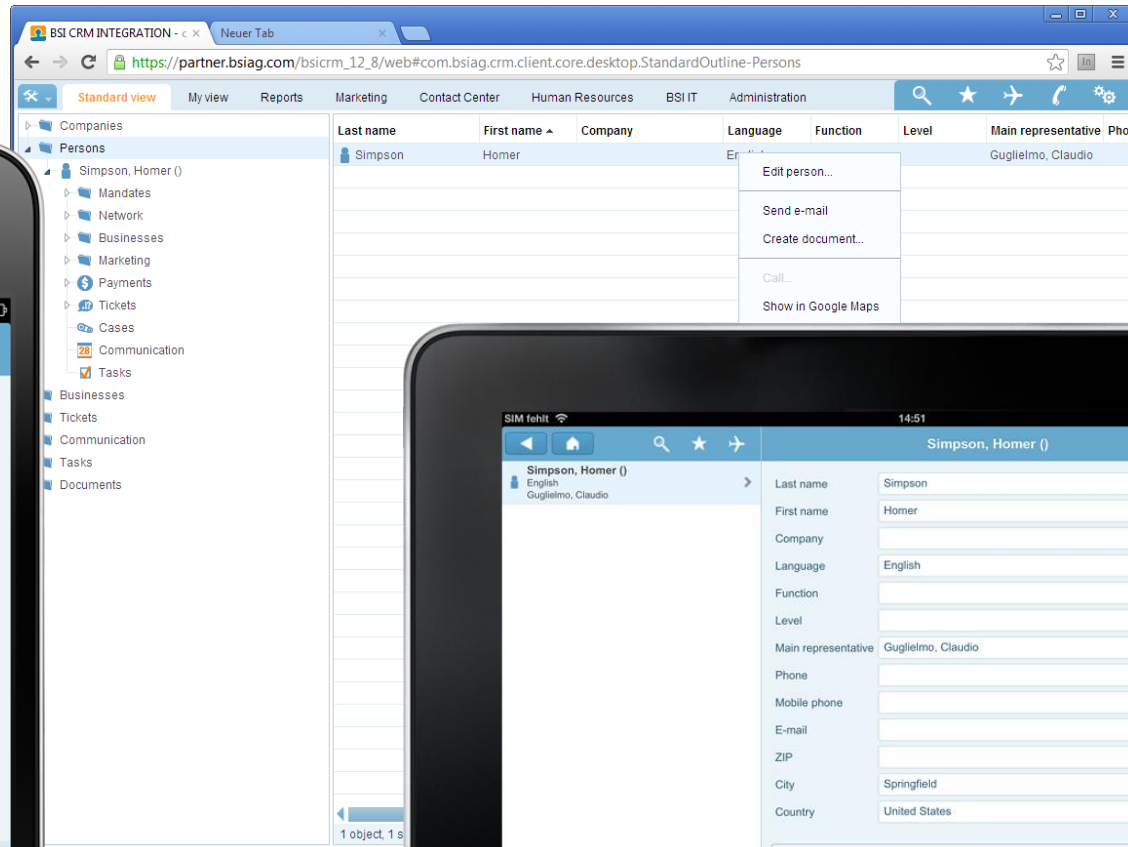
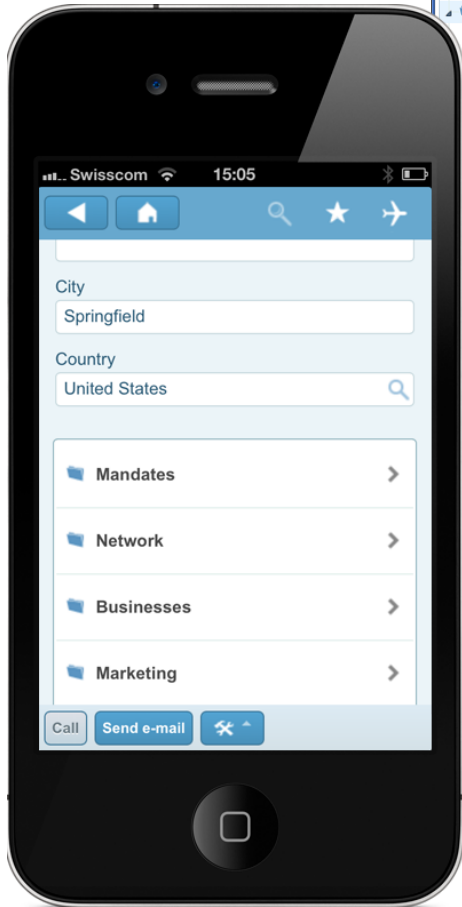




Multi Frontend Architecture



Device Transformation



Demo 1

Modular Scout Applications

Oliver Gierke

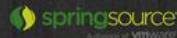
SpringSource



Whoops! Where did my architecture go?

Approaches to architecture management for
Java and Spring applications

Oliver Gierke





If you think
architecture is
expensive, try no
architecture.

Presentation

Service

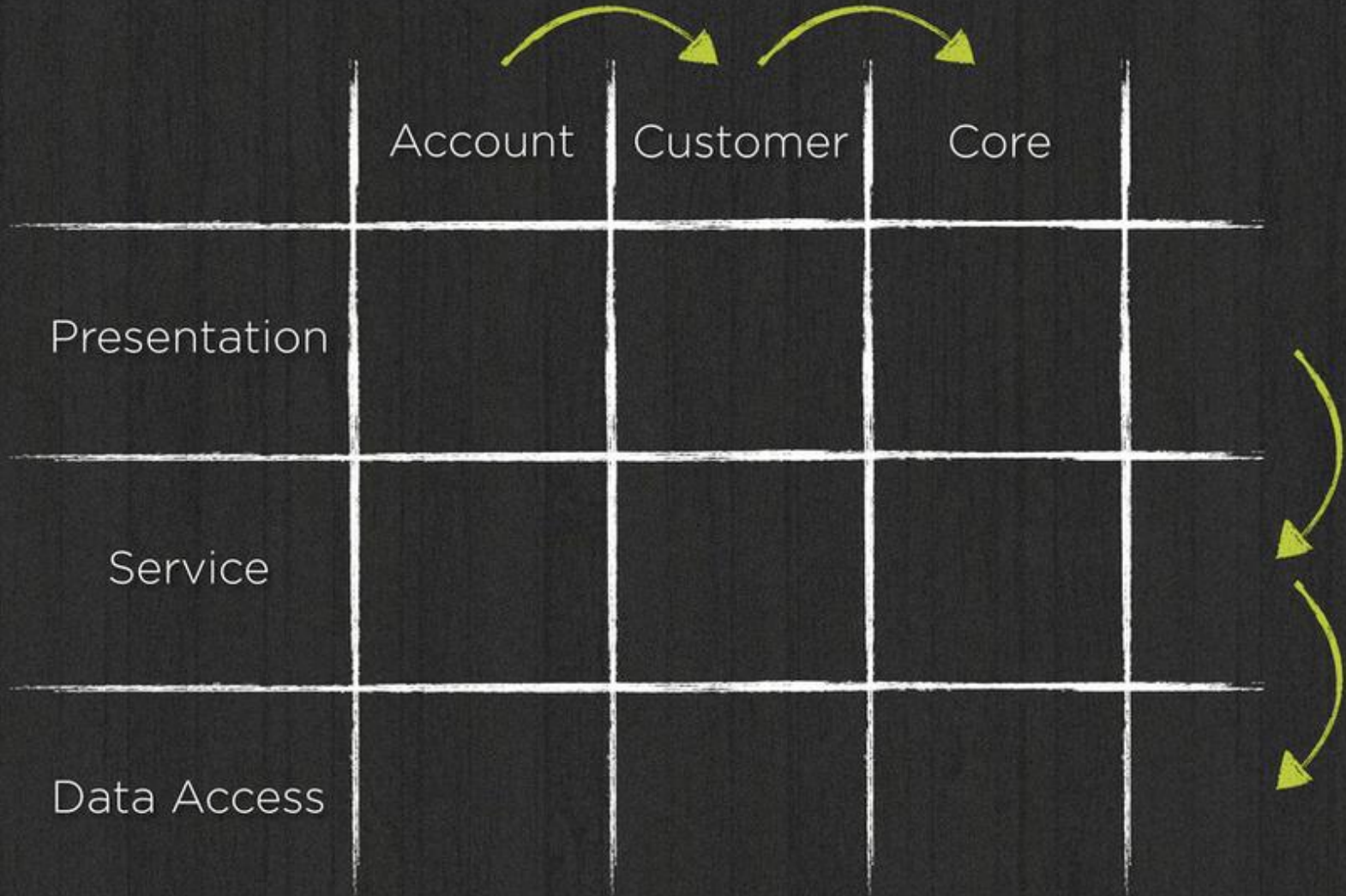
Data Access

Layers

Well understood

Known to developers

Less important to business



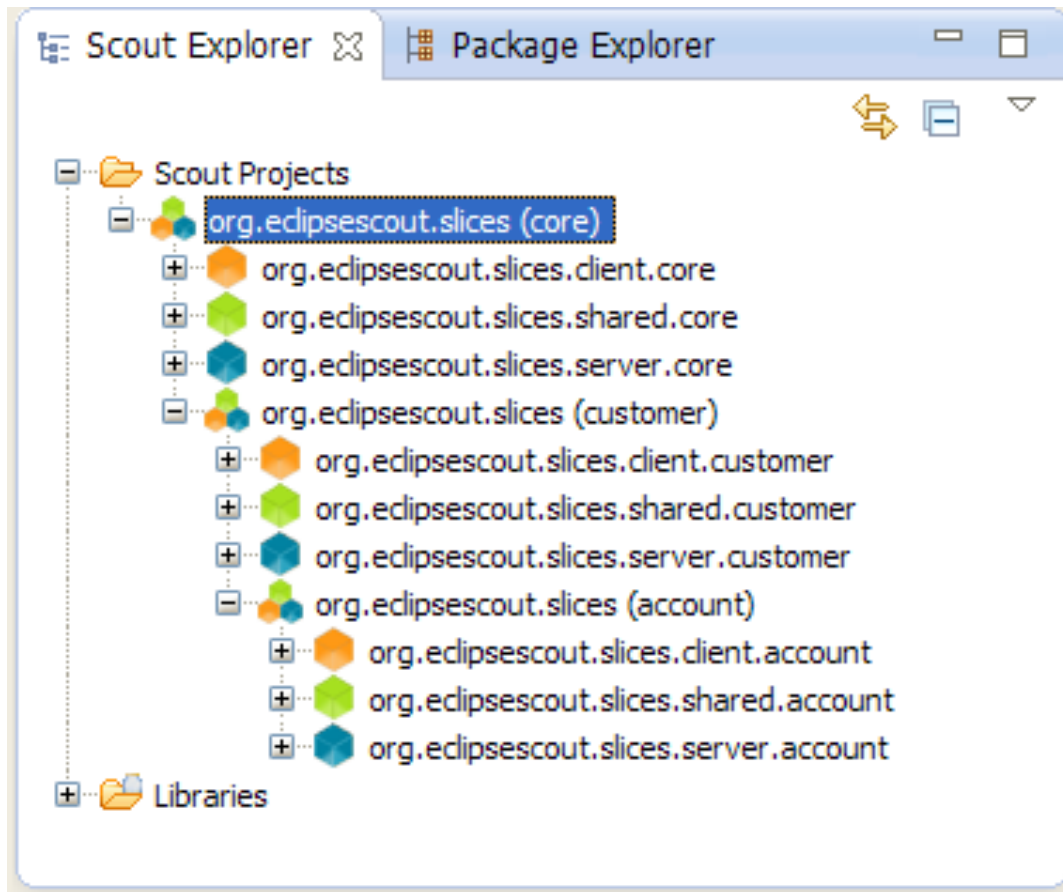
Slices

Hardly understood

New to developers

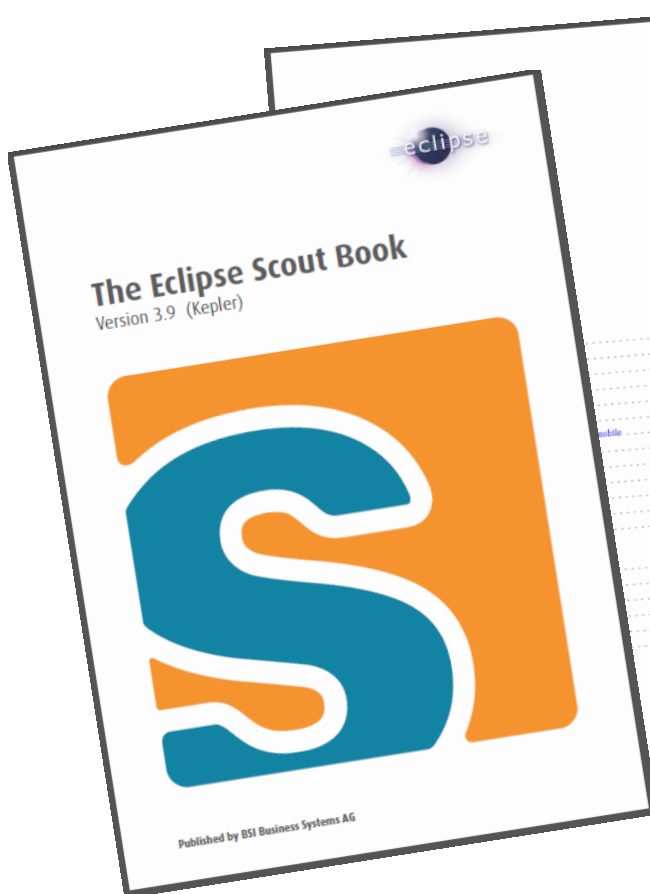
Key for business req

Layers and Slices with Scout



Demo 2

The Scout Book



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----

CHAPTER 5. A LARGER EXAMPLE

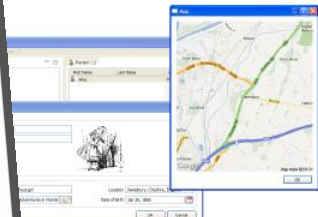


Figure 5.1: The SWT class of the "My Contacts" application.

In Figure 5.1 the SWT desktop client is shown. In the background, the flow is visible showing a navigation tree on the left hand side. On the right side, the elements corresponding to the selected tree node. Using an edit contact table row, a form to edit the relevant data may be opened as shown in the next figure. Clicking on the link 'Show Map...' in the person form opens the application in a map form using the data provided by Google Maps Image API.

The data can be accessed from the "My Contacts" application an access token from LinkedIn. To obtain such a token use the `Reverse OAuth Tokens` Figure 5.2. This opens the refresh token form shown on the left side of the next figure.

After logging into your LinkedIn account you can specify your location and confirm the "OAuth test for Scribble" access to your LinkedIn data. A security code as shown on the right side of Figure 5.4 is presented to you that has to be entered into the Security Code field as shown on the right side of Figure 5.4. This opens the refresh token form shown on the left side of the next figure.

After logging into your LinkedIn account you can specify your location and confirm the "OAuth test for Scribble" access to your LinkedIn data. A security code as shown on the right side of Figure 5.4 is presented to you that has to be entered into the Security Code field as shown on the right side of Figure 5.4. This opens the refresh token form shown on the left side of the next figure.

PERSON FORM

```
public void showPersonForm(Person person) {
    // ...
}

public void showPersonForm(Person person) {
    // ...
}

public void showPersonForm(Person person) {
    // ...
}

public void showPersonForm(Person person) {
    // ...
}
```

Twitter	@EclipseScout
Project	www.eclipse.org/scout
Forum	www.eclipse.org/forums/eclipse.scout
Blog	www.bsiag.com/scout

Thank you