Simple. Stable. Flexible

Eclipse Scout Goes Mobile

Matthias Zimmermann, Claudio Guglielmo
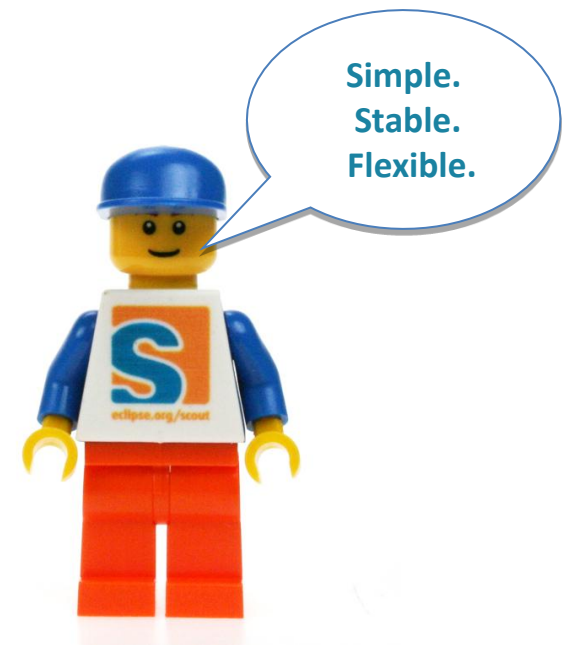**EclipseCon Europe 2012**

Agenda

- **Short Introduction to Scout**

- **A Little Story**

- **Showcase**

- **How It's Done**

- **How to Use It**

- **Development Status**

What is Scout?

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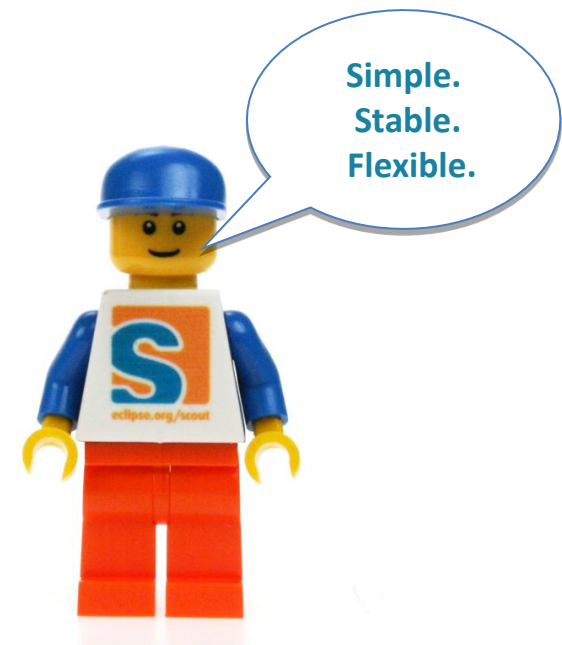
Simple.
Stable.
Flexible.

What is Scout?

- Open Source **Java/Eclipse** Framework
- Designed for **Business Applications**
- **Multi Frontend** (Desktop, Web, **Mobile**)
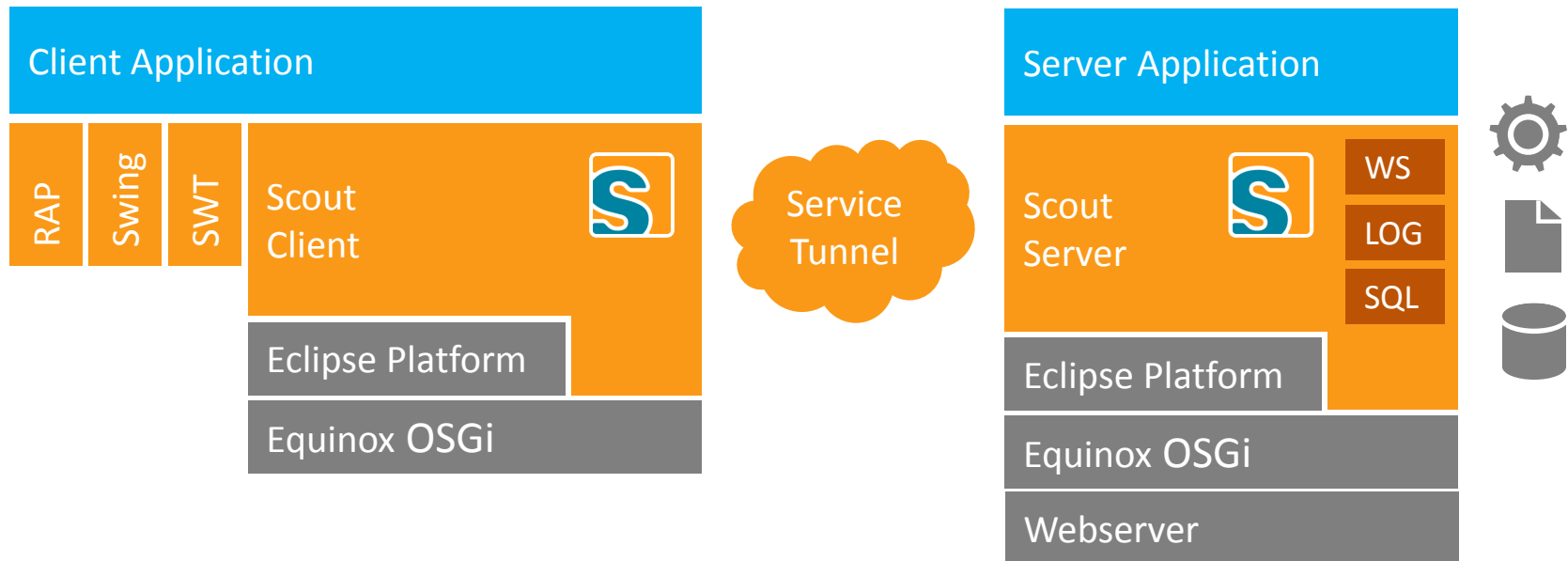
Boost productivity
Simple to learn

Simple.
Stable.
Flexible.

Summary

Application

Scout

Eclipse

Integration

Client

UI		
Client Model	Scout Client	

Server

Application Layer	Scout Server	
Business Services		

ESB

Data Access

Client Server

Client Application

RAP | Swing | SWT | Scout Client

Eclipse Platform

Equinox OSGi

Service Tunnel

Server Application

Scout Server | WS | LOG | SQL

Eclipse Platform

Equinox OSGi

Webserver

A
Little Story

Once Upon a Time
There Was a Rich Client

In 2011
a Web Client Was Born
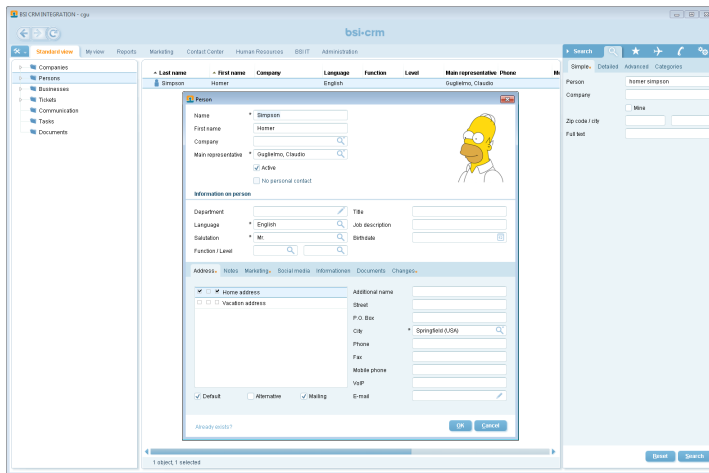
Rich Client (Swing)

Web Client (Rap)

Now
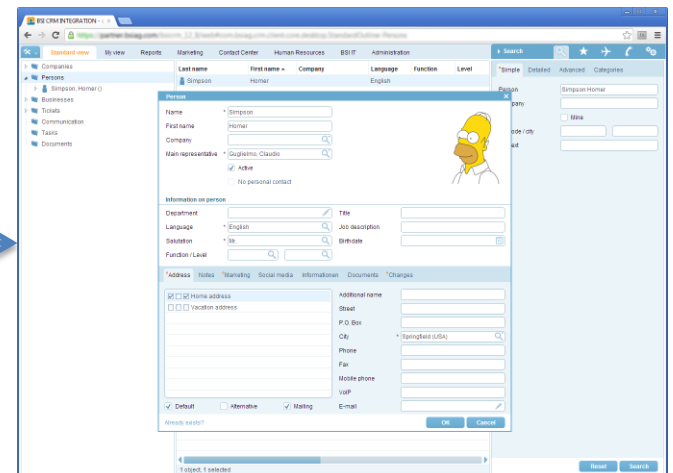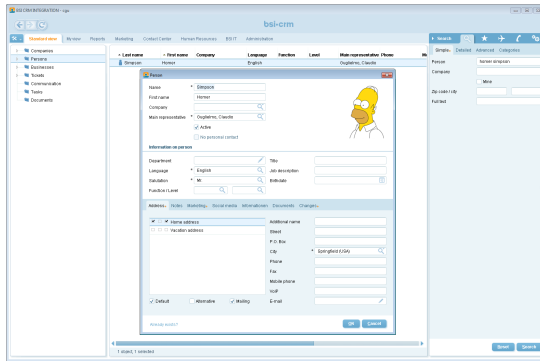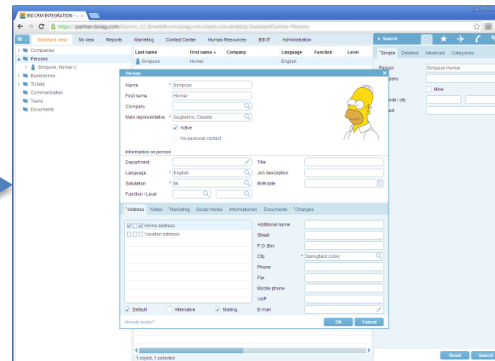# Scout is Expecting Twins

Rich Client (Swing)

Web Client (Rap)

Showcase

Video on Youtube:

http://www.youtube.com/watch?v=6yotGsdfGJs&feature=plcp

How
It's Done

Multi Frontend Architecture

Same Language

Lower Costs

Same Development Tools

One Codebase

Easier Maintainance

Consistent Look & Feel

Consistent Business Rules

Same Features
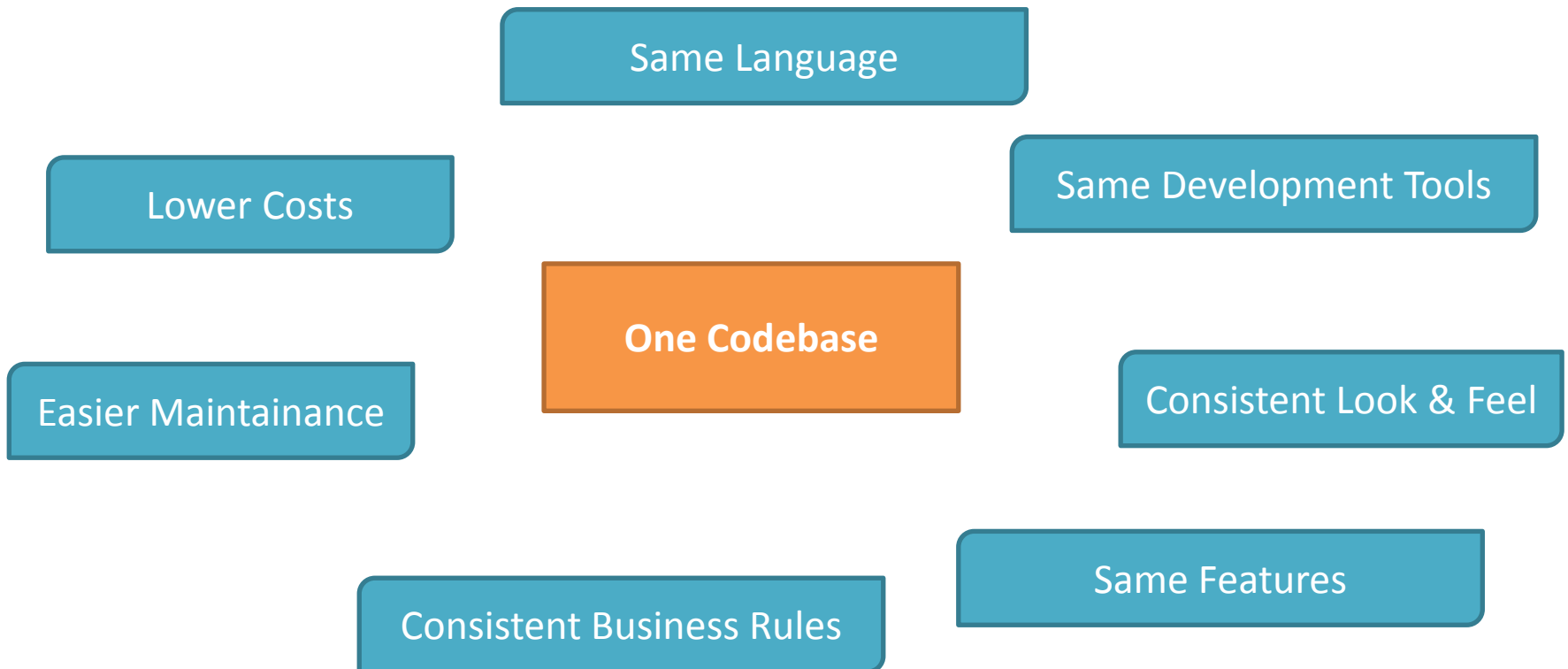
Mobile Extension
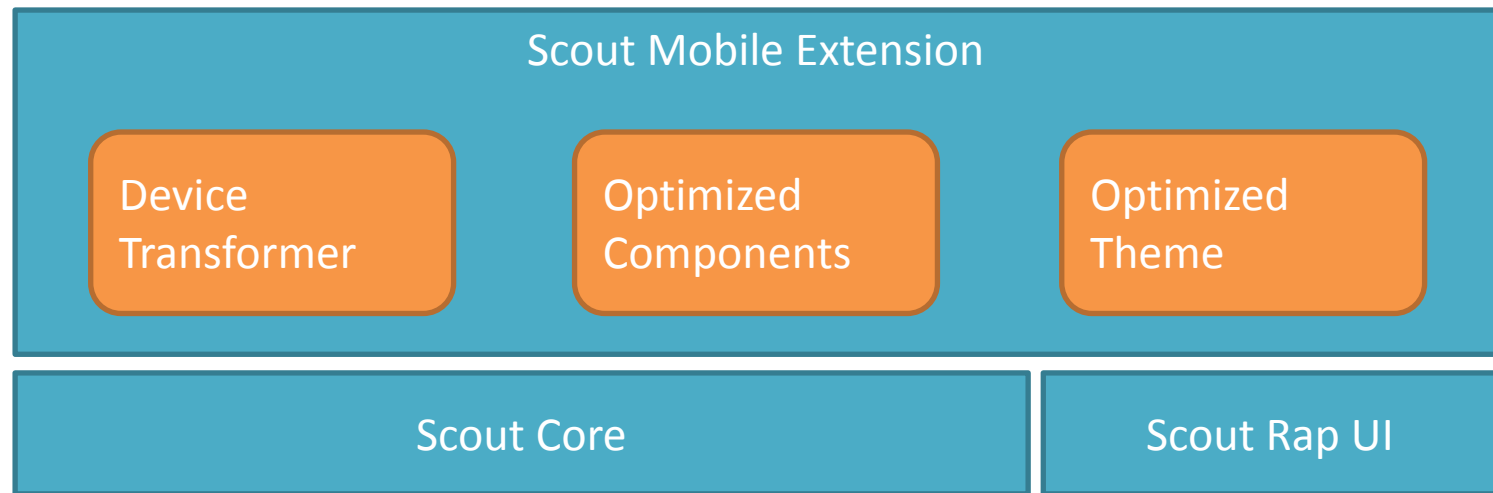
Device Transformation
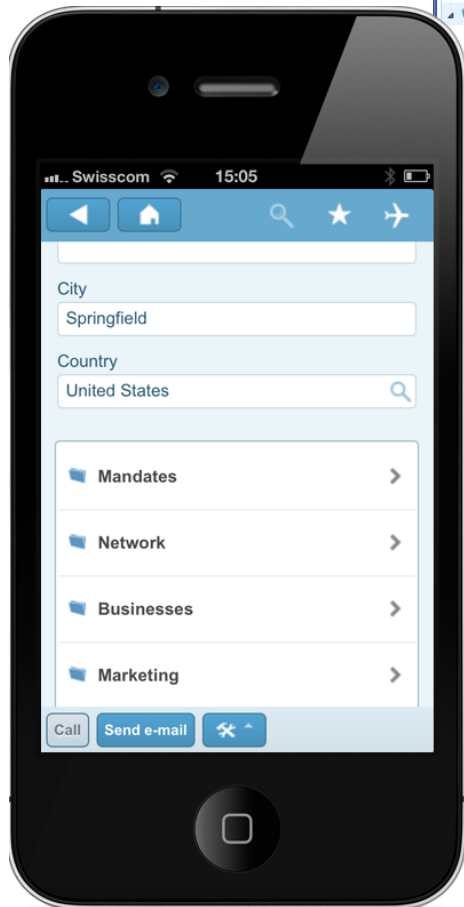
Optimized Components

Table

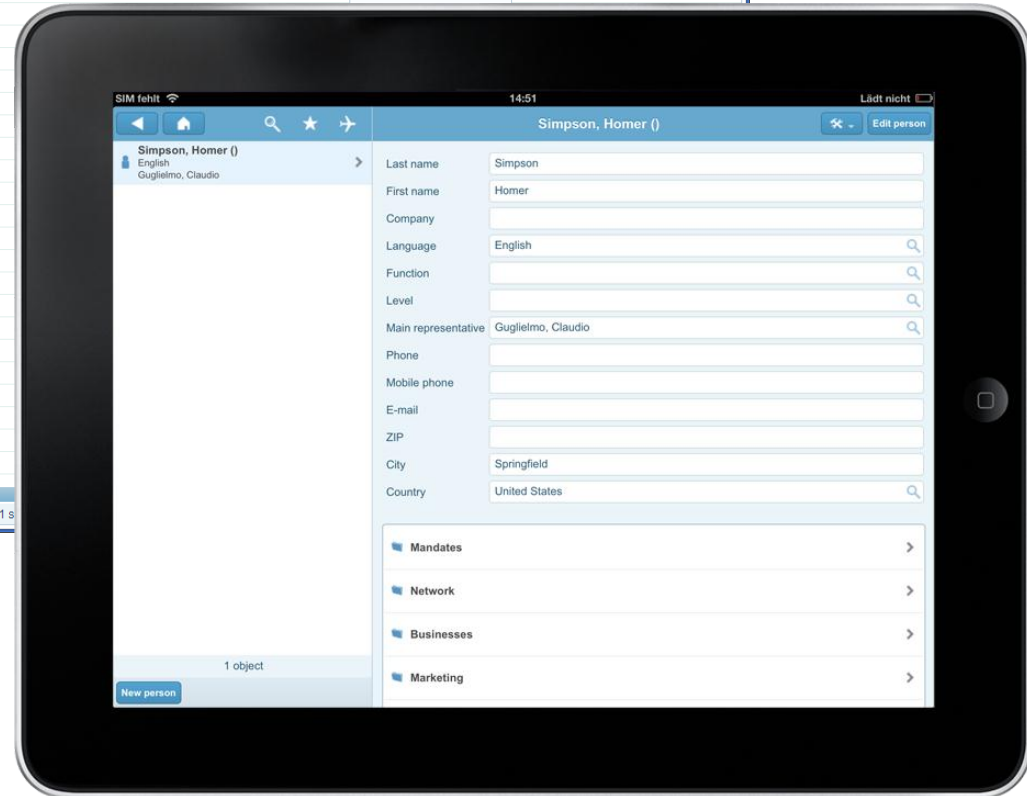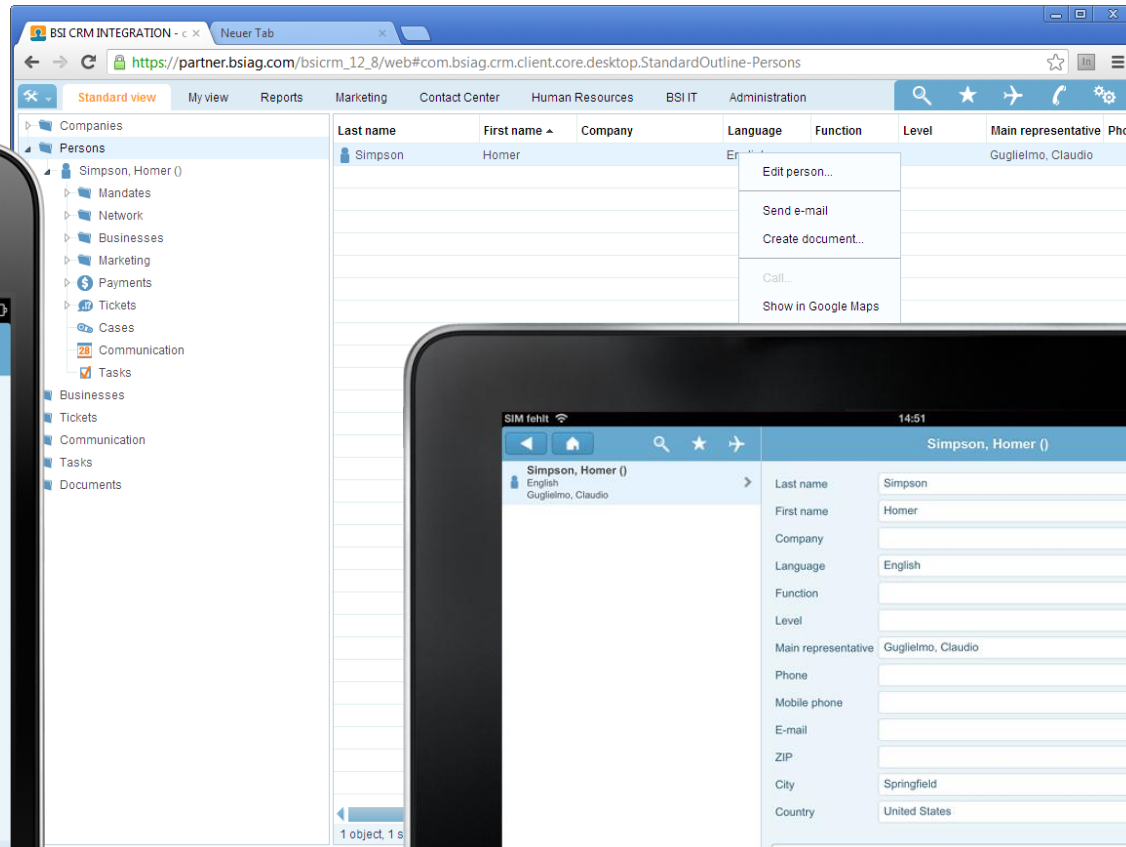| Last name	First name ▲	Language	Main representative	City
👤 Simpson	Homer	English	Guglielmo, Claudio	Springfield
👤 Simpson	Lisa	English	Guglielmo, Claudio	Springfield

👤 **Simpson, Homer ()**
English
Guglielmo, Claudio ›

👤 **Simpson, Lisa ()**
English
Guglielmo, Claudio ›

Smartfield

Bulgarian
Croatian
Czech
Dutch
English
French
German
Greek

◀ **Choose Language**

☐ **Bulgarian**

☐ **Croatian**

☐ **Czech**

☐ **Dutch**

☑ **English**

Optimized Theme

```
* {
  font: 14px Arial, Helvetica, sans-serif;
}
```

```
CLabel.mobileFormHeader {
  color: white;
  padding: 3px 0px;
  text-shadow: 0px -1px 0px #2a78a5;
  font: bold 17px Arial, Helvetica, sans-serif;
  background-color: transparent;
}
```

```
Button[PUSH]:hover {
  background-image: gradient(
    linear, left top, left bottom,
    from(#fe9915),
    to(#be7414));
  border: 1px solid #91560a;
}
```

```
ScrollBar {
  width: 0px;
}
```

How to Use It

How to Use It

- **Include scout mobile plugins into rap product**

- **Configure rap brandings and entrypoints**
  - /web
  - /tablet
  - /mobile

- **Register Dispatcher Servlet**

- **Register Device Transformer**

- **Make unnecessary fields invisible**

```
if (UserAgentUtility.isMobileDevice()) {
    setVisibleGranted(false);
}
```

Development Status

Development Status

- **Runs productive at our company**

- **Ships with Eclipse Scout 3.9 (Kepler)**

- **Sources on Git**
  - org.eclipse.scout.rt.client.mobile
  - org.eclipse.scout.rt.ui.rap.mobile
  - org.eclipse.scout.rt.ui.rap.theme.rayo.mobile

- **Not yet compatible with official Rap**

- **Currently supporting iOS and Android**
  - May run slow with old phones and browsers
  - Windows Phone support not planned yet

http://git.eclipse.org/c/scout/org.eclipse.scout.rt.git

Thank You!