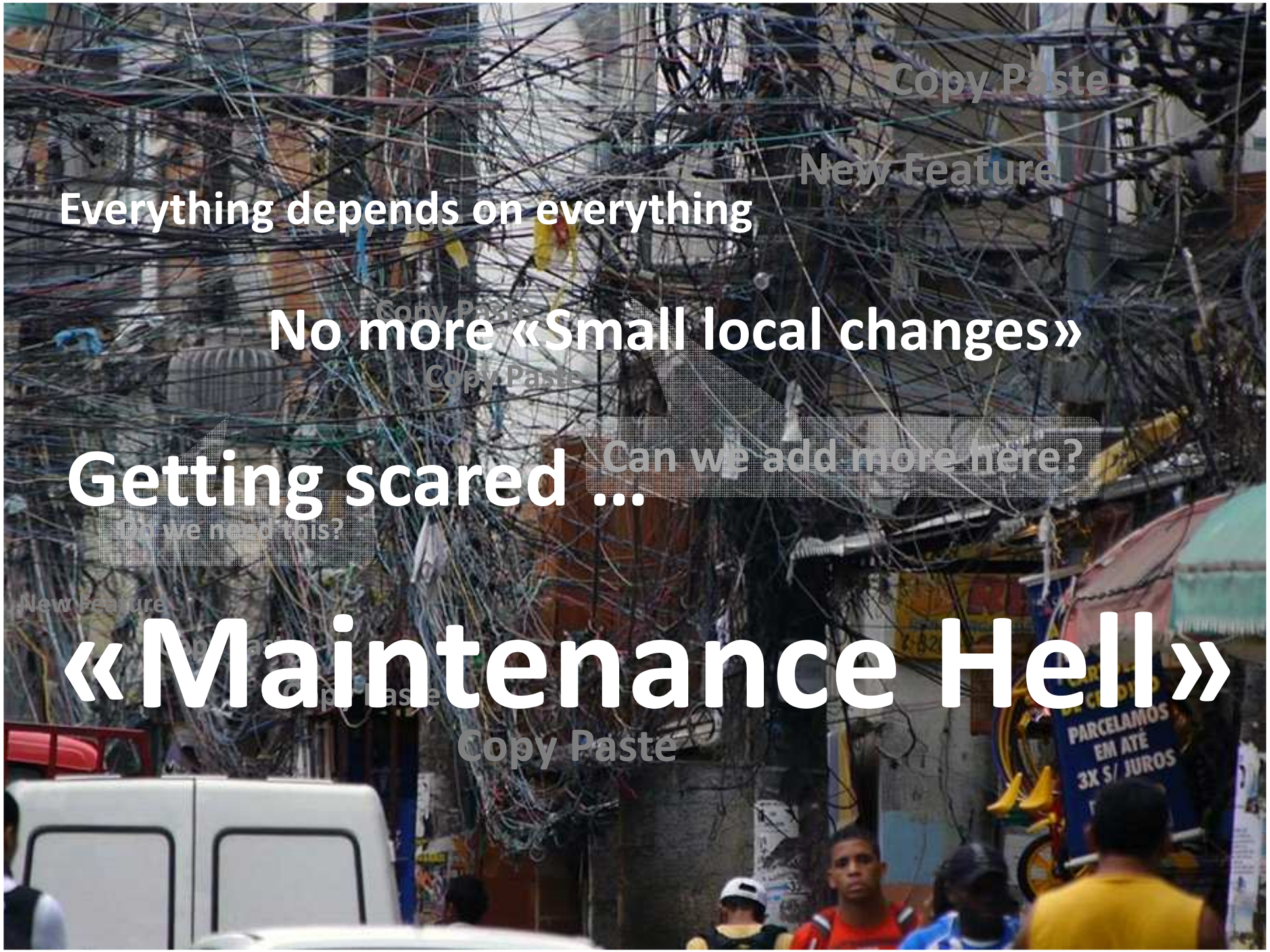
Modular Enterprise Applications

Matthias Zimmermann, Eclipse DemoCamp Zürich- 24.6.2015

We want

- ➔ Requirments (tech/business) define modules
- ➔ Clear dependencies

Why care?


Copy Paste
New Feature
Everything depends on everything
Copy Paste
No more «Small local changes»
Copy Paste
Getting scared …
Can we add more here?
Do we need this?
New Feature
«Maintenance Hell»
Copy Paste
Copy Paste
PARCELAMOS
EM ATÉ
3X S/ JUROS

Modular Enterprise Applications

We want

- ➔ Requirments (tech/business) define modules
- ➔ Clear dependencies

Why care?

- ➔ Keep a clean architecture over time

What we need

- ➔ The right mindset
- ➔ The right tools

Eclipse Scout

Scout Framework

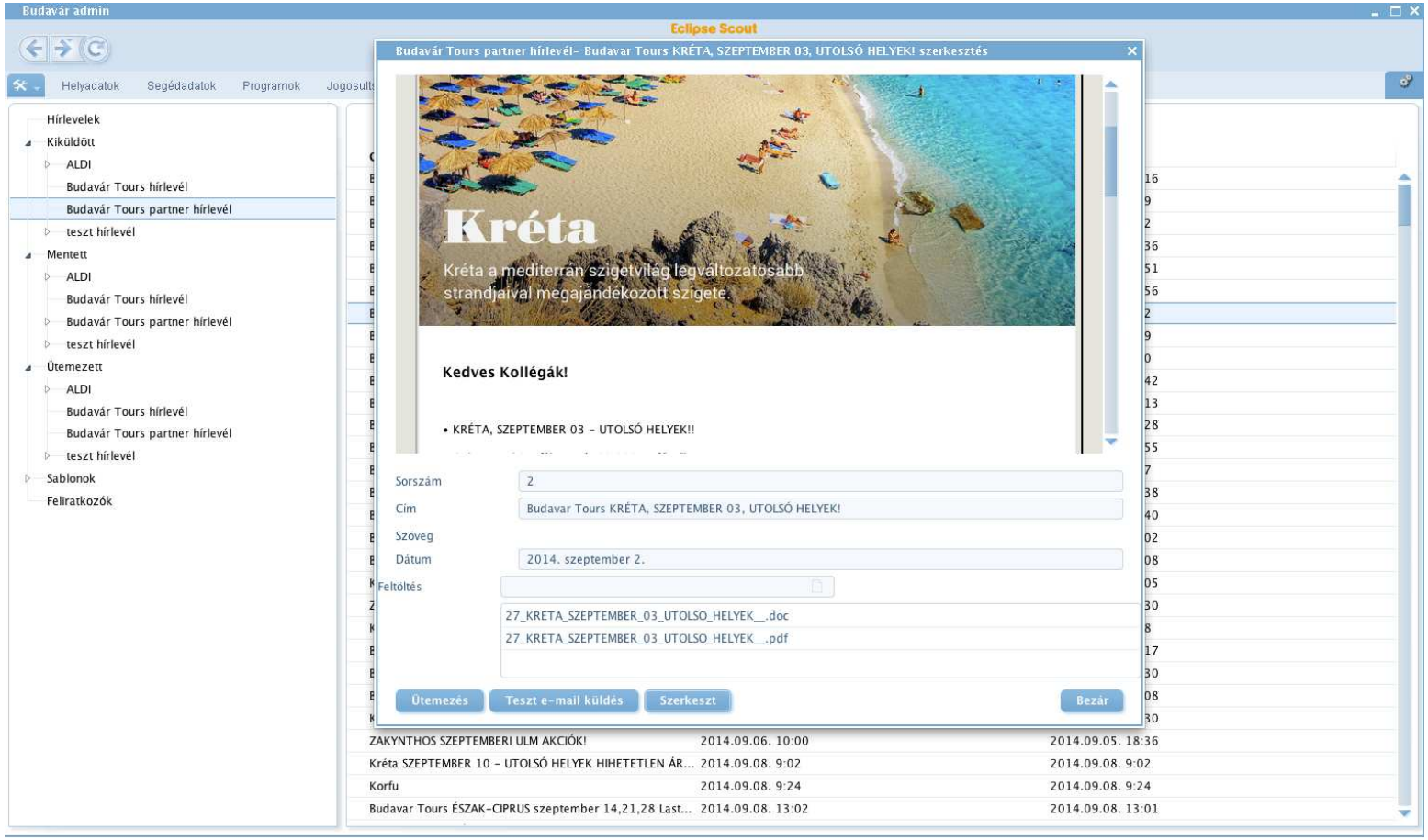
- Built for **Business Applications**
- **Multi Device** support (desktop, tablet, mobile)
- **Client Server** architecture (layers)
- Support for **Business Modules** (slices)

Framework Goals

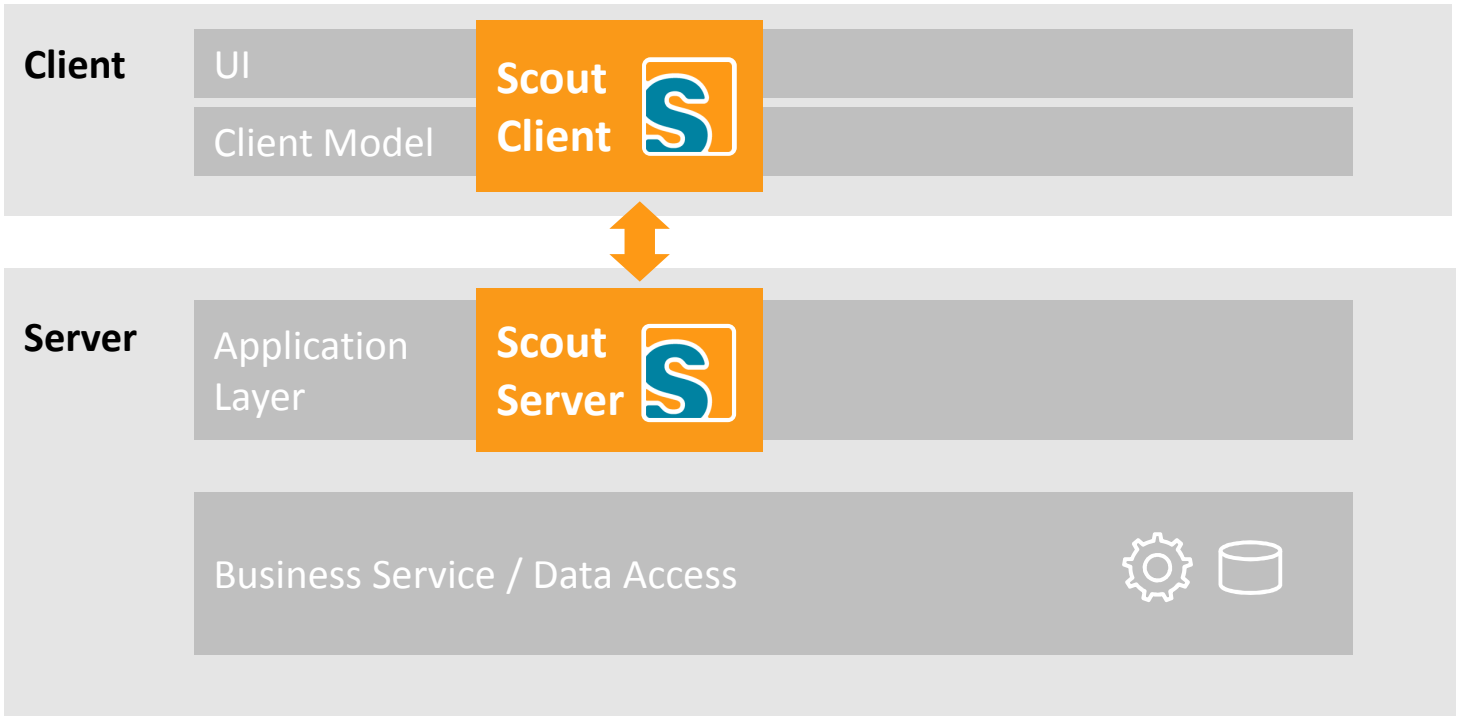
- **Long term** strategy
- Boost **productivity**
- **Simple** to learn

Eclipse Scout

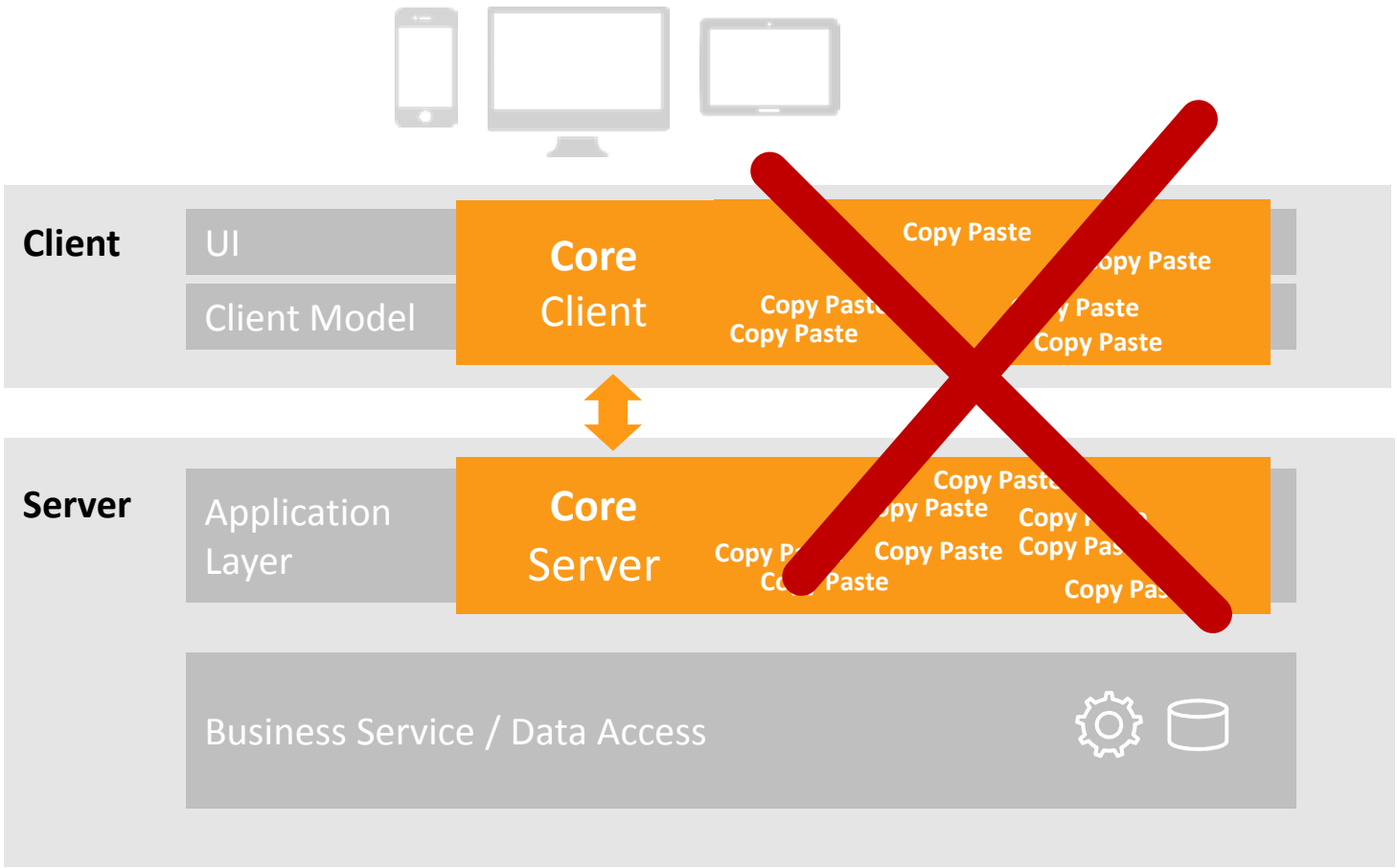
Eclipse Scout



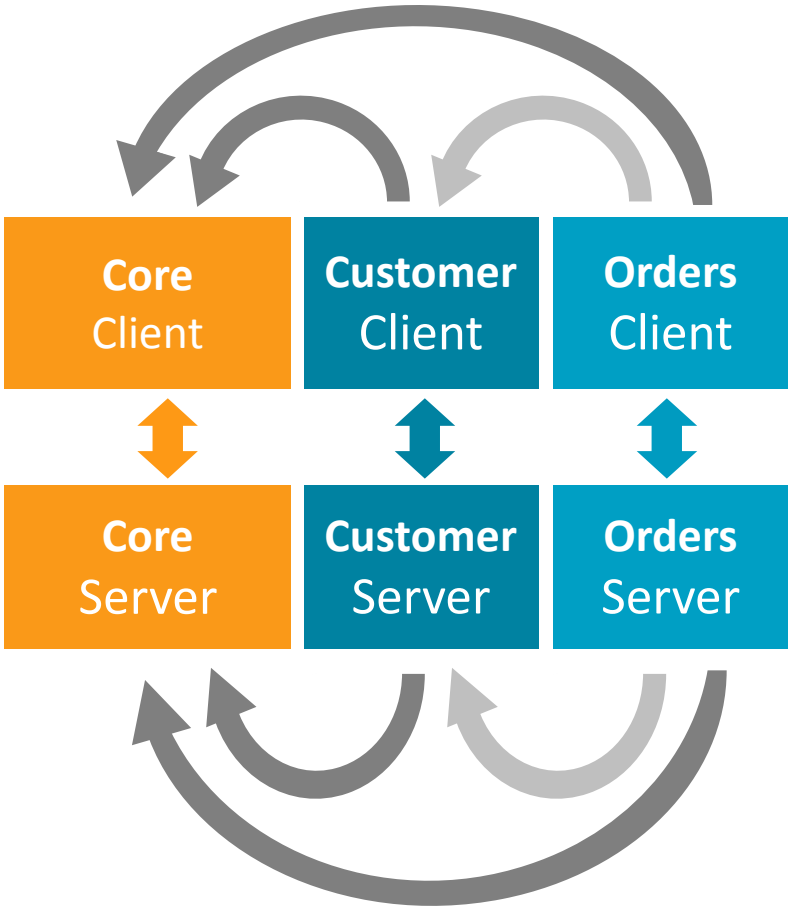
Scout Modularity: Layers



Scout Modularity: Layers

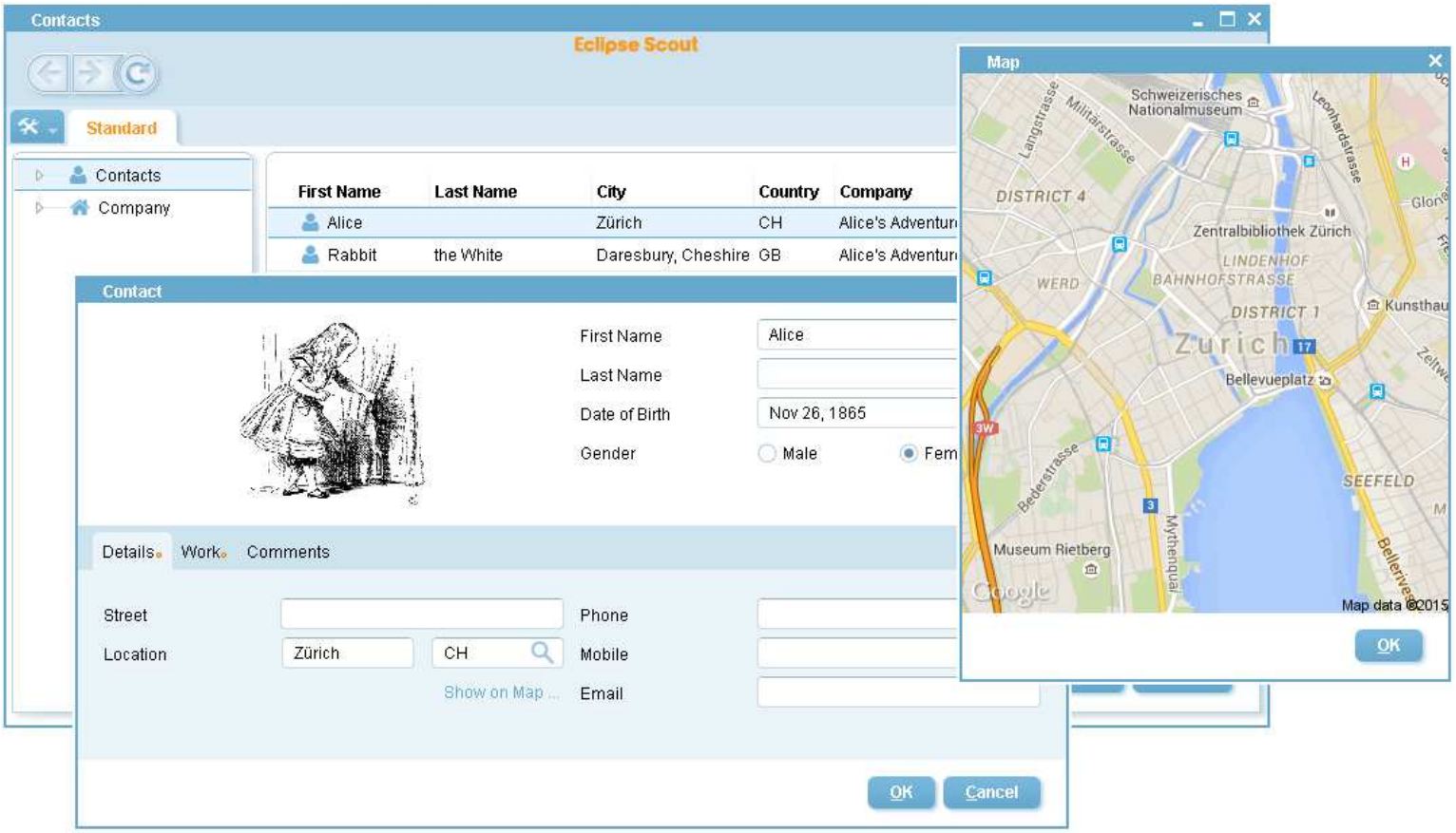


Scout Modularity: Slices

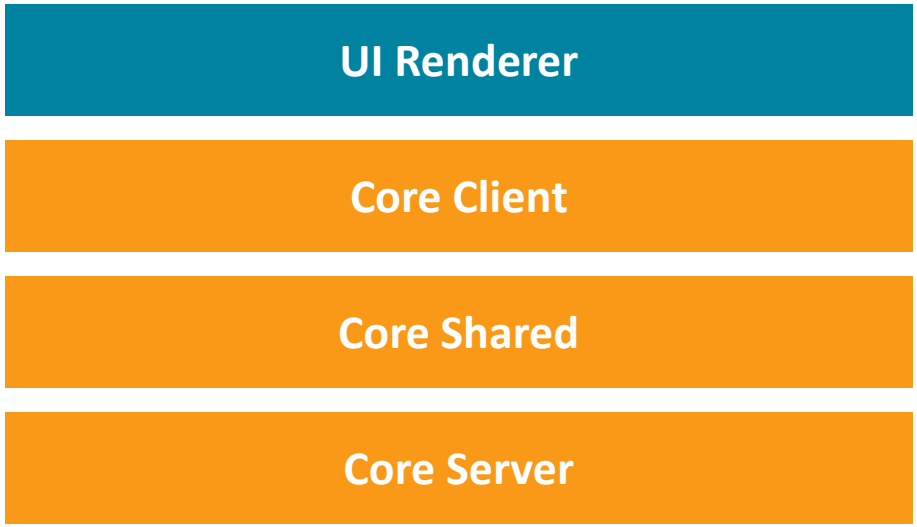


Demo Time

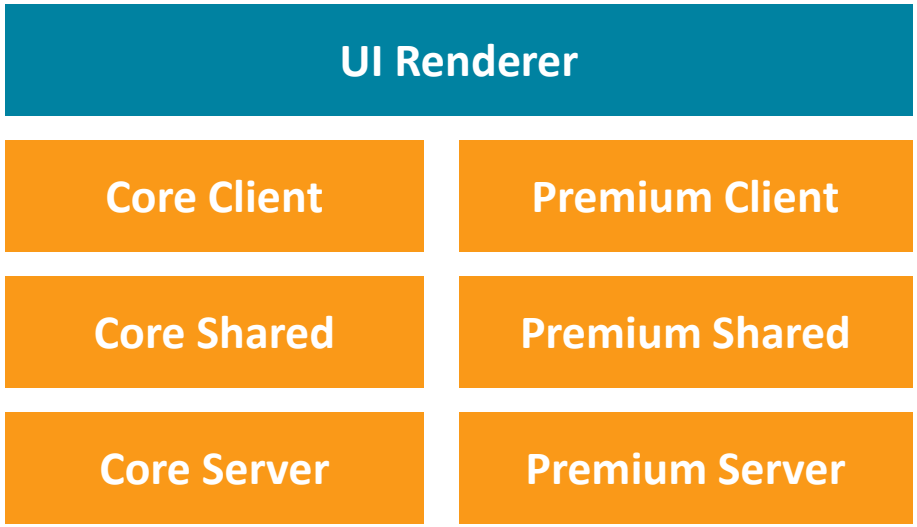
«Contacts» Application



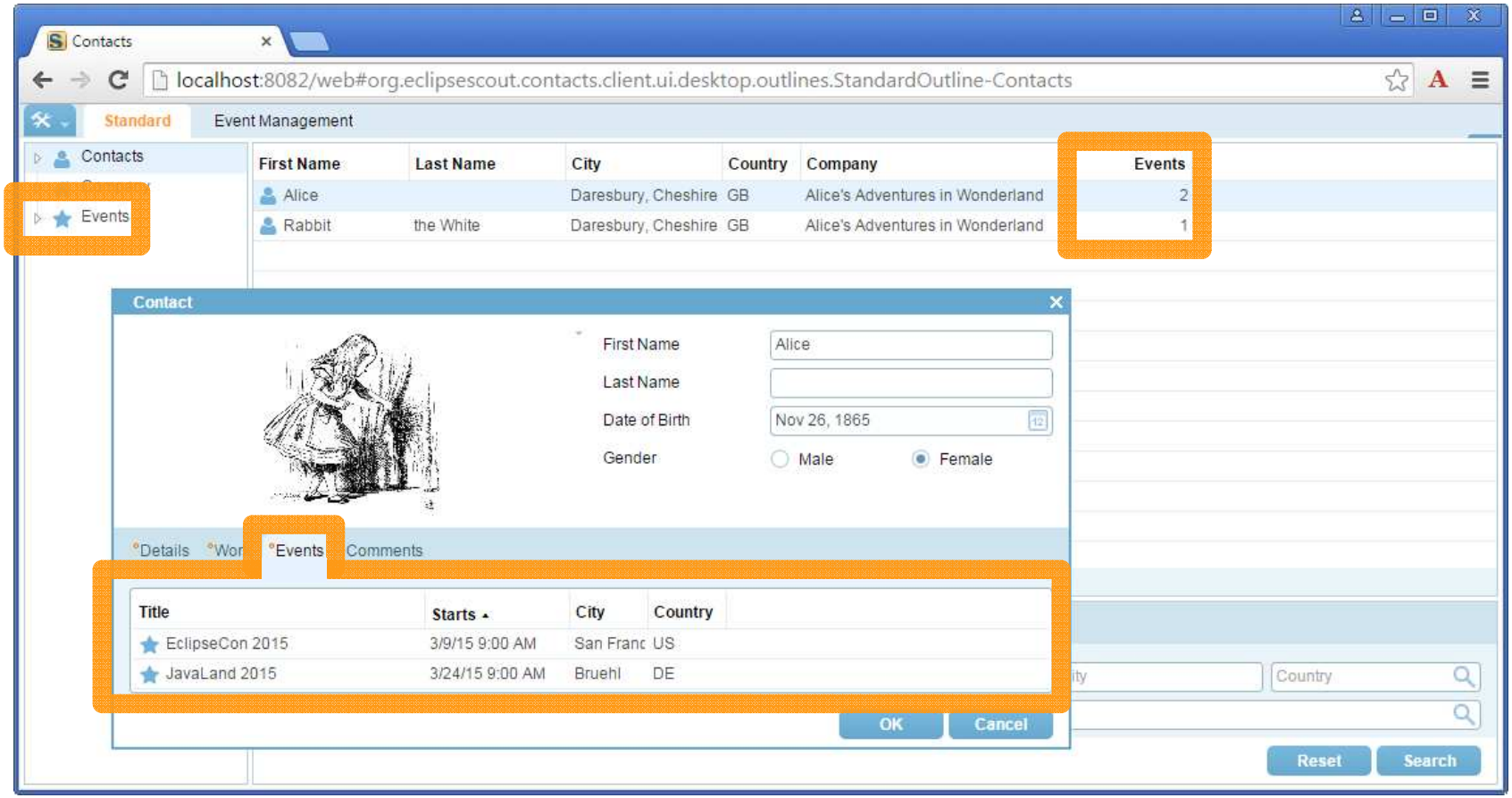
Scout Layers



Scout Slices



Scout Extensibility



Summary

Modular Applications

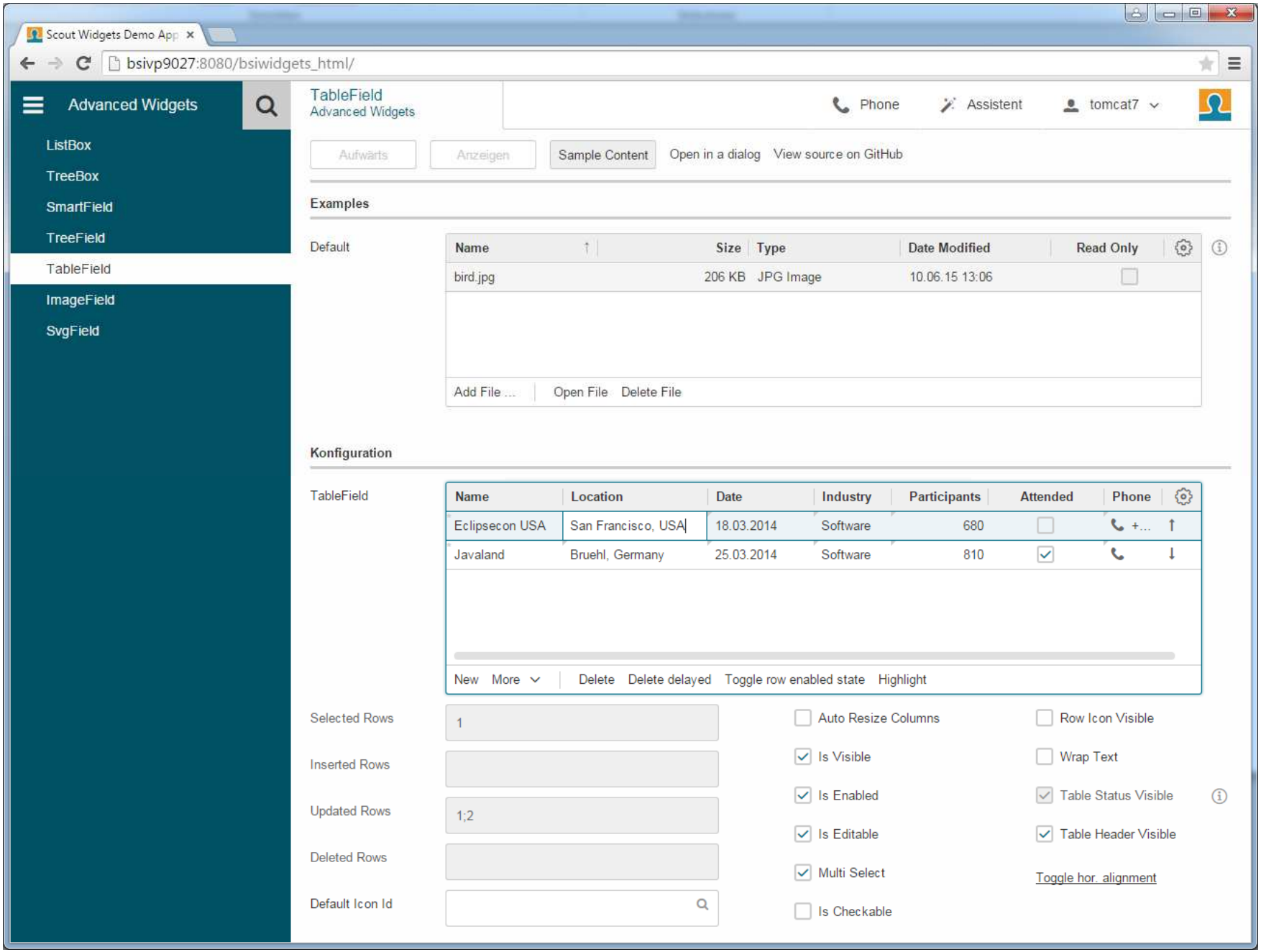
- Keep architecture clean over many years

Scout Framework

- Built for **modular enterprise applications**
- Support for **layers** and **slices**
- **Extensibility** support (Mars Release)

Scout Outlook (Neon Release)

- Pure Java framework
- New HTML 5 renderer


Scout Widgets Demo App
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Advanced Widgets
ListBox
TreeBox
SmartField
TreeField
TableField
ImageField
SvgField
TableField
Advanced Widgets
Phone
Assistent
tomcat7
Aufwärts
Anzeigen
Sample Content
Open in a dialog
View source on GitHub
Examples
Default
Name
Size
Type
Date Modified
Read Only
bird.jpg
206 KB
JPG Image
10.06.15 13:06
Add File ...
Open File
Delete File
Konfiguration
TableField
Name
Location
Date
Industry
Participants
Attended
Phone
Eclipsecon USA
San Francisco, USA
18.03.2014
Software
680
Javaland
Bruehl, Germany
25.03.2014
Software
810
New
More
Delete
Delete delayed
Toggle row enabled state
Highlight
Selected Rows
1
Inserted Rows
Updated Rows
1;2
Deleted Rows
Default Icon Id
Auto Resize Columns
Is Visible
Is Enabled
Is Editable
Multi Select
Is Checkable
Row Icon Visible
Wrap Text
Table Status Visible
Table Header Visible
Toggle hor. alignment

Thanks! Questions?

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