Modular Enterprise Applications
Matthias Zimmermann, Eclipse DemoCamp Zürich- 24.6.2015
We want

- Requirements (tech/business) define modules
- Clear dependencies

Why care?
Everything depends on everything

No more «Small local changes»

Getting scared ...

«Maintenance Hell»
Modular Enterprise Applications

We want
- Requirements (tech/business) define modules
- Clear dependencies

Why care?
- Keep a clean architecture over time

What we need
- The right mindset
- The right tools
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

Client
- UI
- Client Model
- Scout Client

Server
- Application Layer
- Business Service / Data Access
- Scout Server
Scout Modularity: Layers

Client
- UI
- Client Model

Core
- Client

Server
- Application Layer

Core
- Server

Business Service / Data Access
Scout Modularity: Slices

- Core Client
- Customer Client
- Orders Client
- Core Server
- Customer Server
- Orders Server
Demo Time
«Contacts» Application
Scout Layers

UI Renderer

Core Client

Core Shared

Core Server
<table>
<thead>
<tr>
<th>UI Renderer</th>
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<tbody>
<tr>
<td>Core Client</td>
<td>Premium Client</td>
<td></td>
</tr>
<tr>
<td>Core Shared</td>
<td>Premium Shared</td>
<td></td>
</tr>
<tr>
<td>Core Server</td>
<td>Premium Server</td>
<td></td>
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</tbody>
</table>
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
@EclipseScout

Thanks! Questions?
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