

e4 & the Rich Ajax Platform

From Desktop to Web



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EclipseSource

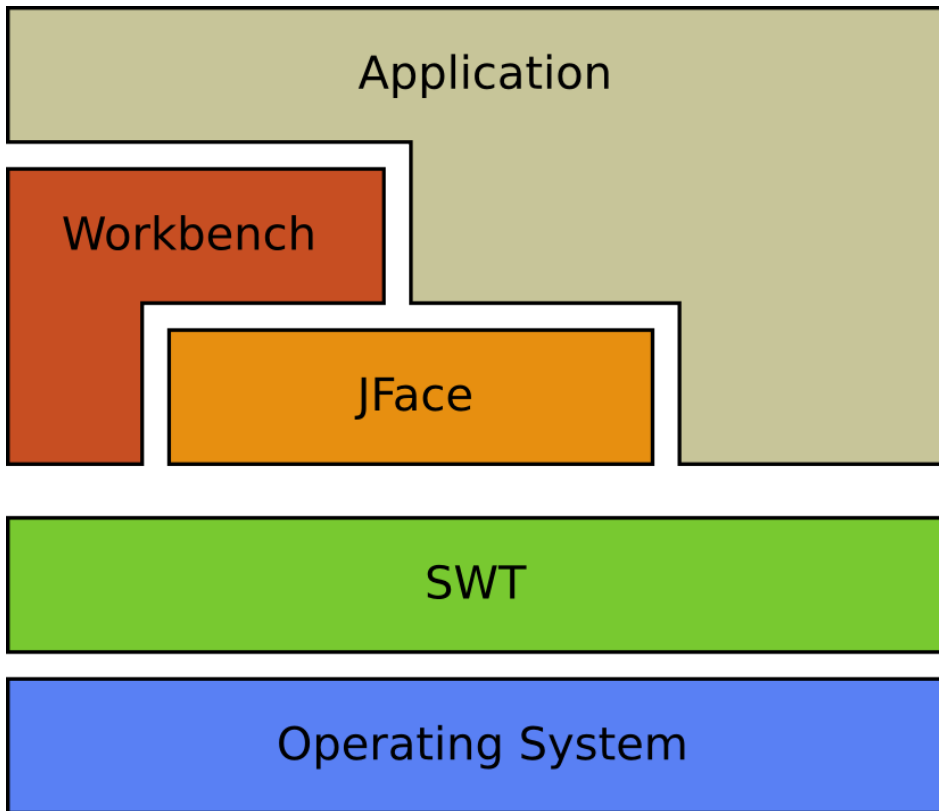
What is **RAP**?

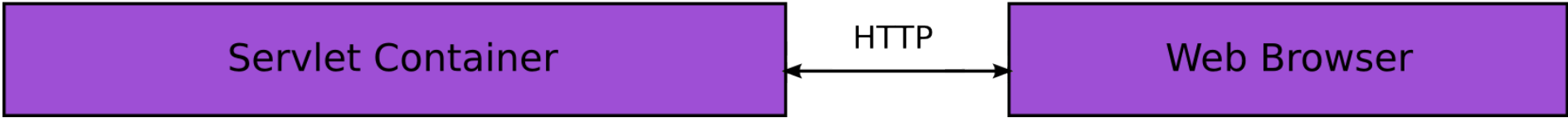
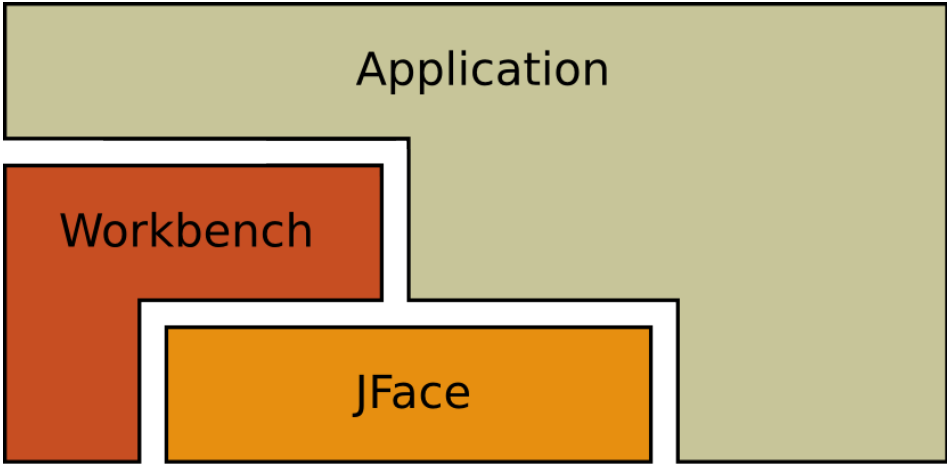
- Brings your RCP applications to the web
- UI lives in the browser
- Application is server-centric

What is **Single Sourcing**?

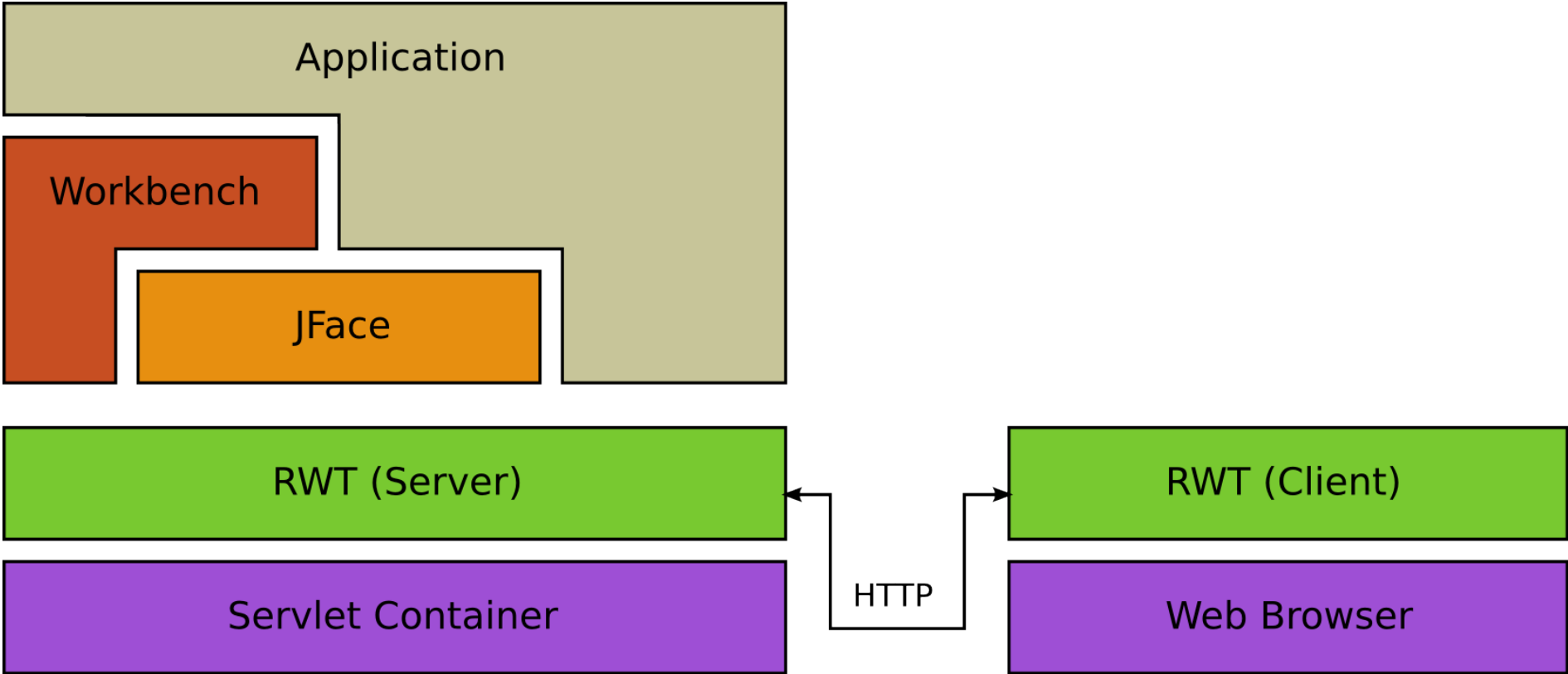
- Same **code**, same **patterns**, same **knowledge**

Layers of RCP

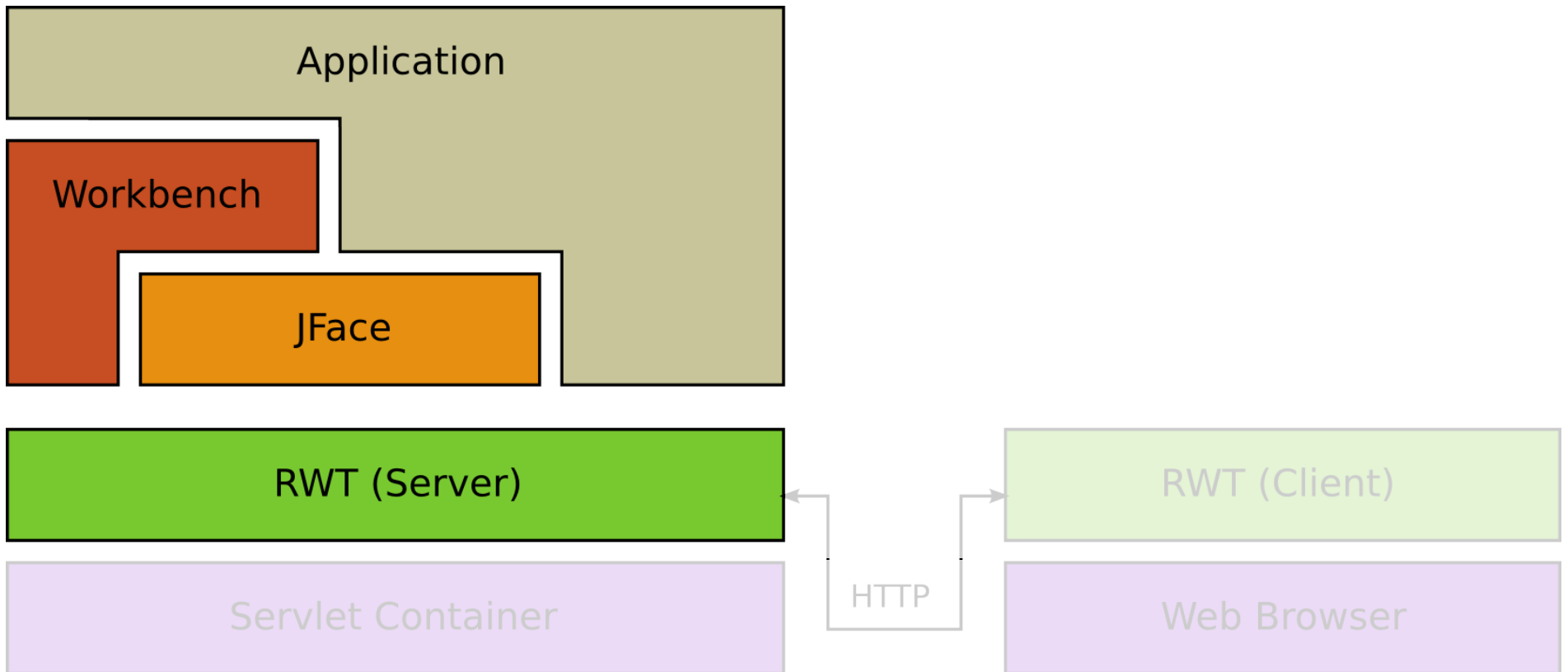




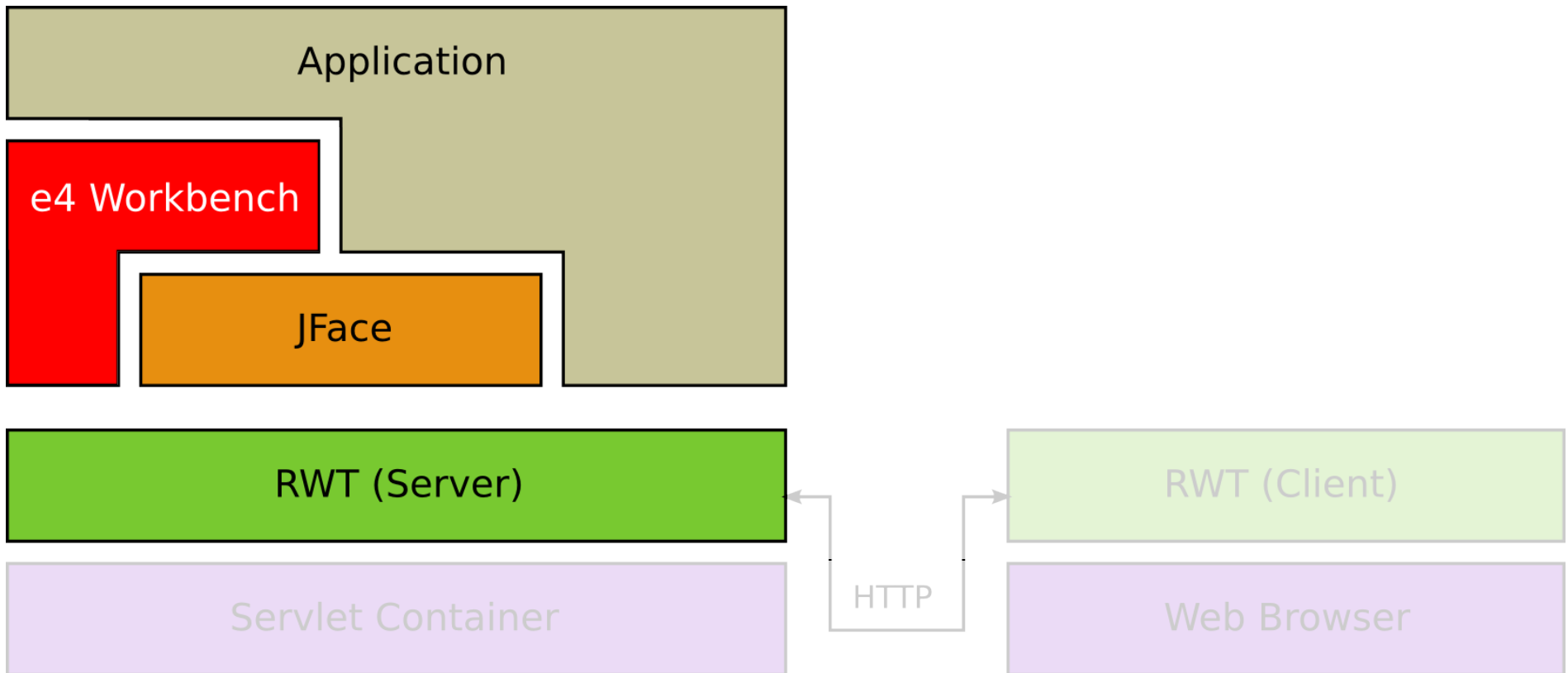
RAP Layers



Developers view



RAP+e4 Layers



From **RAP** to **e4**

- e4 is now able to handle multiple users
- RAP can reuse the e4 workbench as-is
- Missing things in RAP are on the way
 - SWT Resource Constructors
 - Product / IApplication support
 - ...

RAP CSS? e4 CSS?



- e4 CSS build on-top of SWT
- Runs out-of-the-box on RWT

The image shows two overlapping 'Login' dialog boxes. The foreground box has a blue title bar with 'Login' and a close button. It contains the text 'Please sign in with your username and password:' followed by two input fields. The 'Username' field contains the text 'john' and the 'Password' field is empty. At the bottom, there are two buttons: 'Cancel' and 'Login' (with a key icon). The background box is partially obscured and shows the same text and fields, but the 'Login' button is visible.



Declarative UI

- Different approaches
 - Toolkit Model
 - XWT
 - ...
- All working on top of SWT == RWT
- Can be used the same way on the web

Compatibility Layer

- Allows backward-compatibility to Eclipse 3.x
- Allows backward-compatibility to RAP 1.x

RAP & e4 – the future

- RAP 1.3 Plan
 - e4 is one of the main themes
 - Better support for single sourcing
 - Compatible with Eclipse 3.x and support for e4

www.eclipse.org/rap

wiki.eclipse.org/E4/RAP_Integration/Experimental