

# UI testing with Jubula!

*Wacky Widgets – EclipseCon Europe 2012*

*Markus Tiede – BREDEX GmbH*



**DEMO!**

# UI toolkit customization

▶ **(sometimes) necessary to extend / modify / rewrite**

Lack of functionality (look&feel)

Customer (pays for it)

▶ **Many examples e.g. [www.eclipse.org/nebula/](http://www.eclipse.org/nebula/)**

▶ **Many ways**

Compositing existing widgets

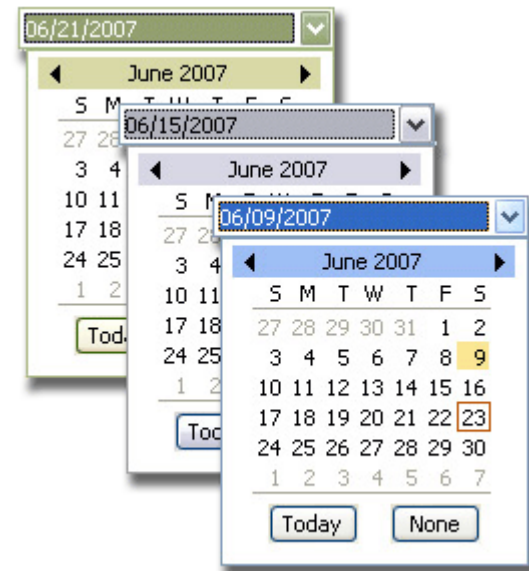
e.g. Button+Textfield+List -->Combo

Deriving from actual widgets

e.g. Button

Deriving from abstract widgets

e.g. Widget or Control



# UI toolkits in Jubula

- ▶ **pluggable & extendable**

Extension Point „org.eclipse.jubula.toolkit.common.toolkitsupport“

- ▶ **Many built-in „ToolkitProvider“**

abstract + concrete:          desktop toolkits

SWT + RCP + GEF                  AWT + Swing                  HTML

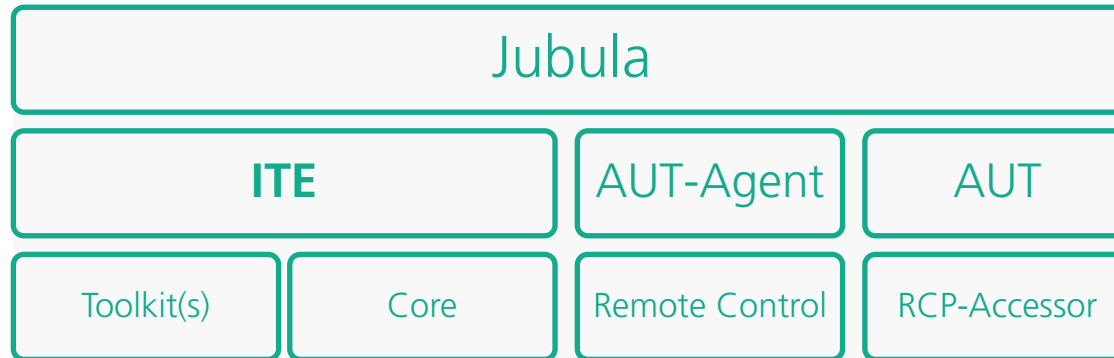
- ▶ **Many ways of extending – support for:**

custom (not-yet-built-in) toolkits

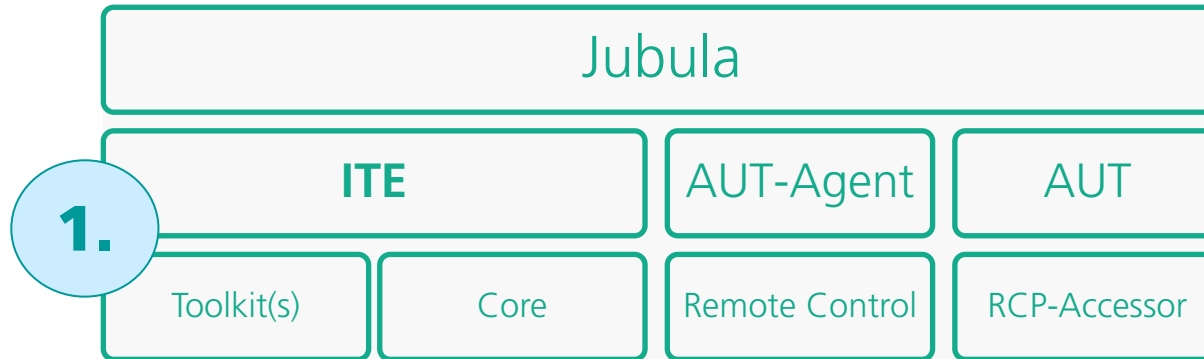
custom components for existing toolkit

custom actions for existing components

# Extending Jubula (toolkits)



# Extending Jubula (toolkits)



## ▶ 1. Write Jubula ITE extension

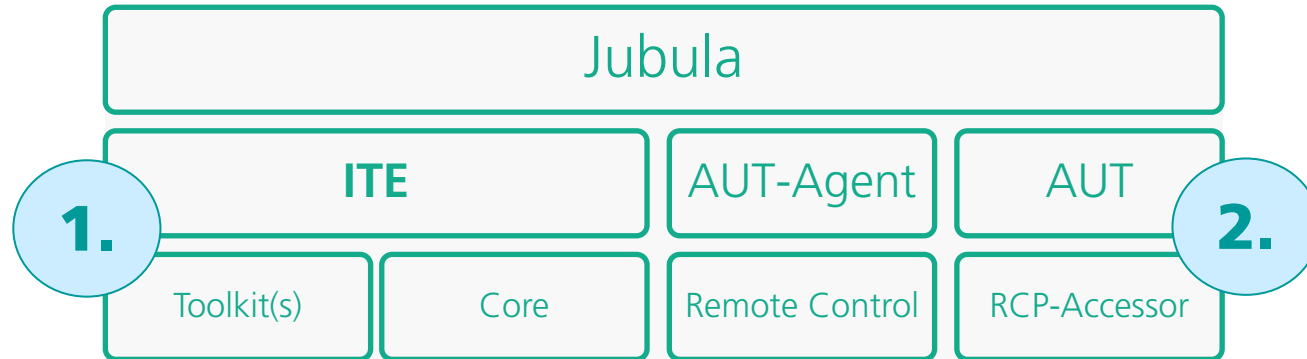
Provide abstract toolkit extension information

Which toolkit is extended / added?

Which technical component is being extended / added?

Which actions are supported / added / extended?

# Extending Jubula (toolkits)



## ▶ 1. Write Jubula ITE extension

Provide abstract toolkit extension information

Which toolkit is extended / added?

Which technical component is being extended / added?

Which actions are supported / added / extended?

## ▶ 2. Write Jubula Remote Control extension

Provide actual action / component implementation class

**DEMO!**



Thanks + Q&A!



<http://www.eclipse.org/jubula>

<http://blog.bredex.de>