

# Jubula 101

EclipseCon Europe 2015

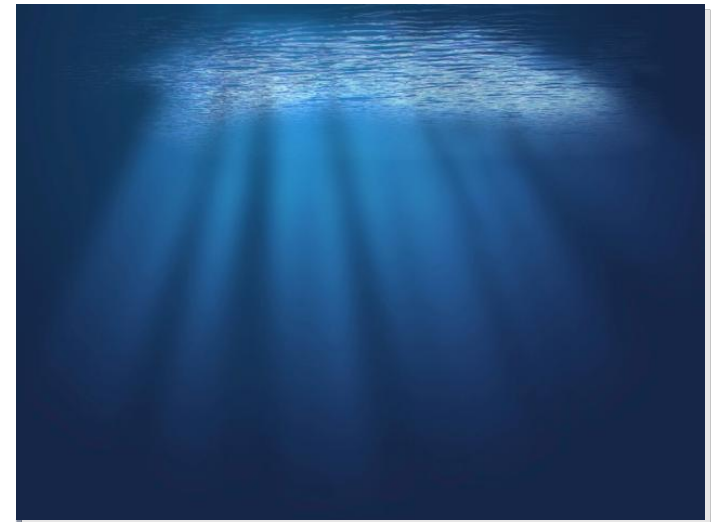
**BREDEX GmbH**

# Agenda

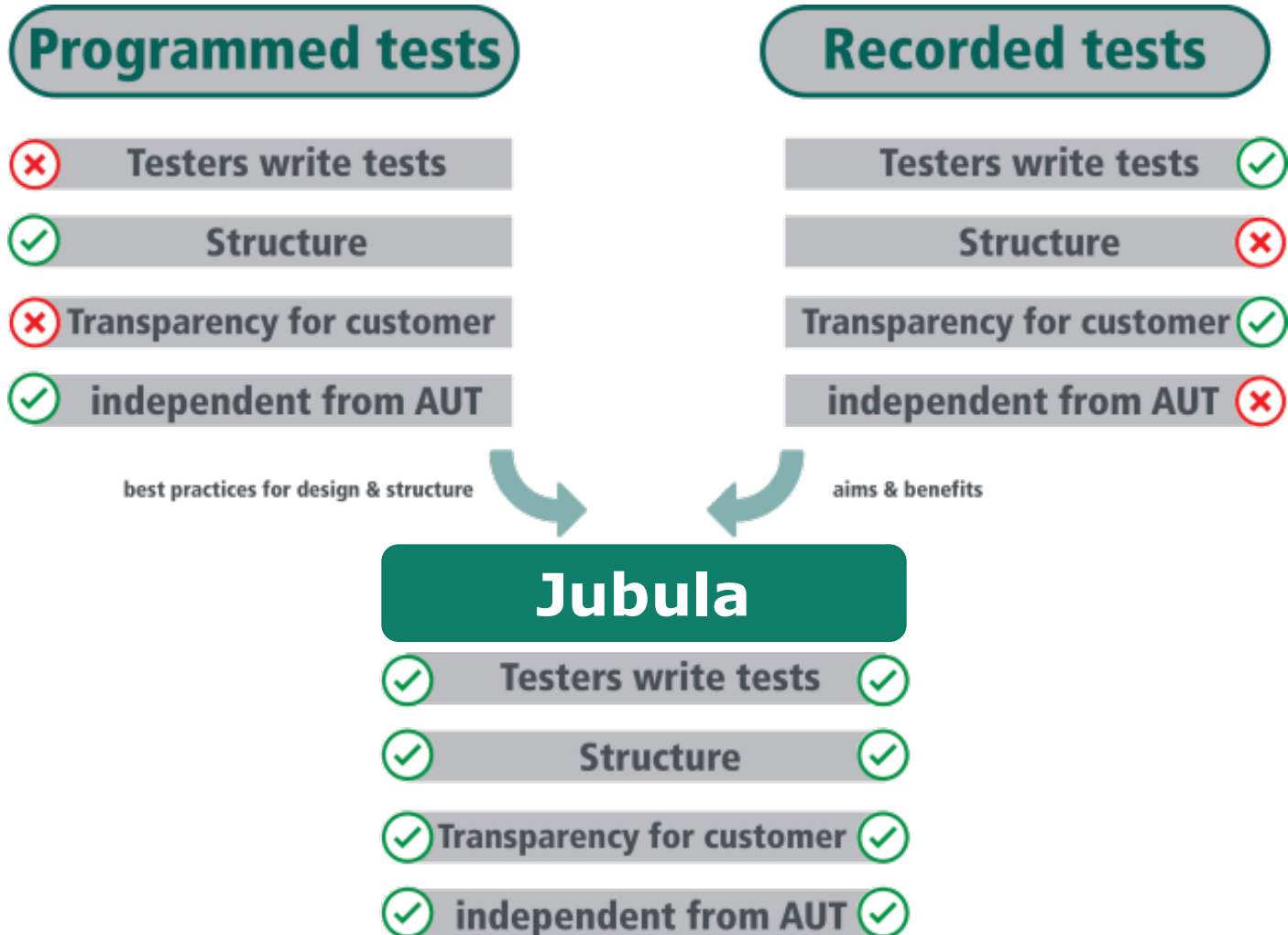
- ▶ Jubula a short **introduction**
- ▶ the **main concepts**
  - test specification
  - Object Mapping – the AUT binding
  - test execution
- ▶ ongoing **demonstrations**
- ▶ advanced topics
  - **event handling**
  - **CI** tools and **ALM system** integration

# What's Jubula

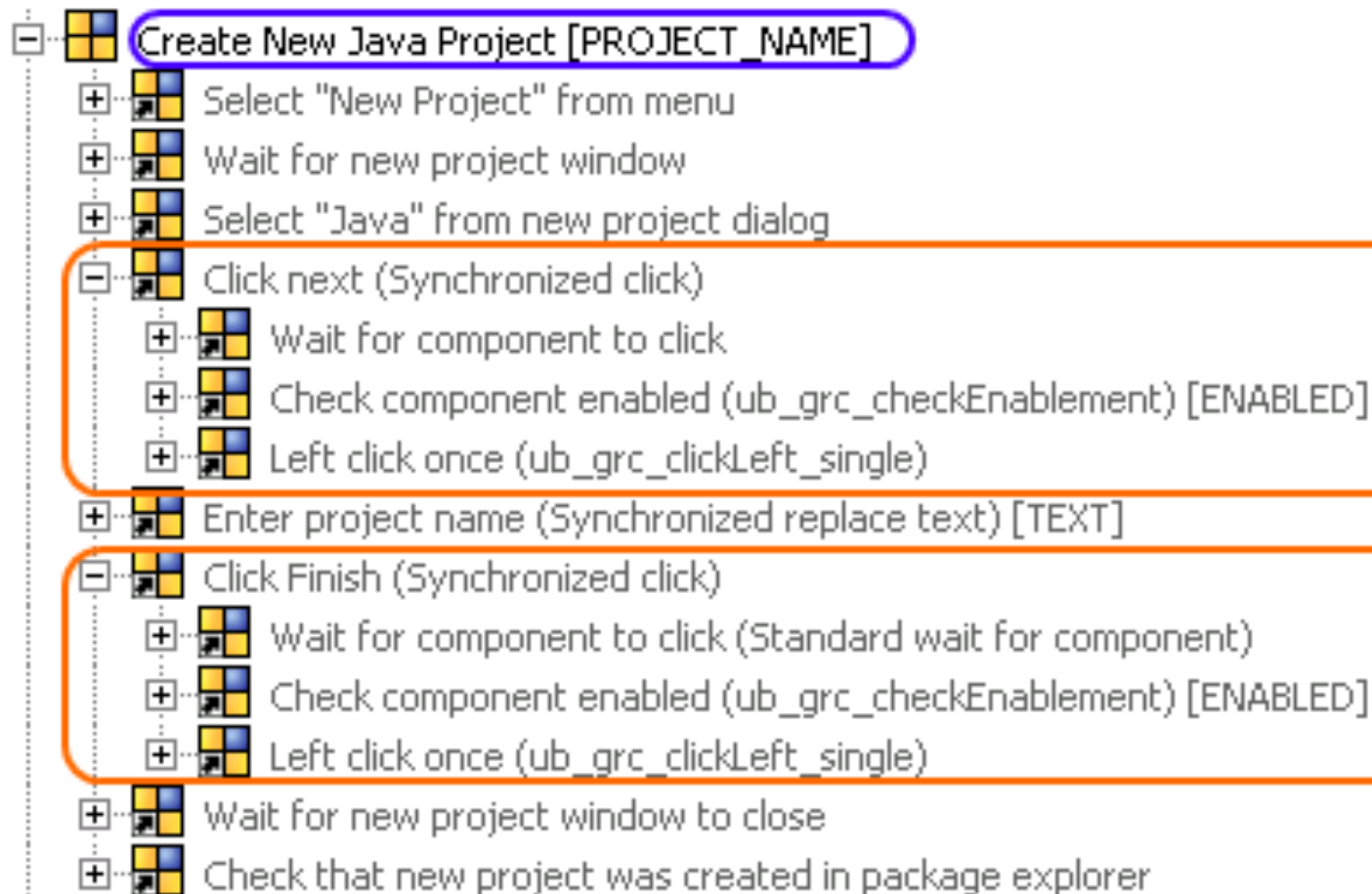
- ▶ Tests *through* the GUI
  - No difference to manual test
  - All layers tested
  - Complete workflows
- ▶ Automated, code free functional (black box) testing
  - Swing, SWT/RCP/GEF
  - HTML, iOS
  - JavaFX, e(fx)clipse
- ▶ Jubula == **GUI**dancer
  - *@eclipse since 2011*



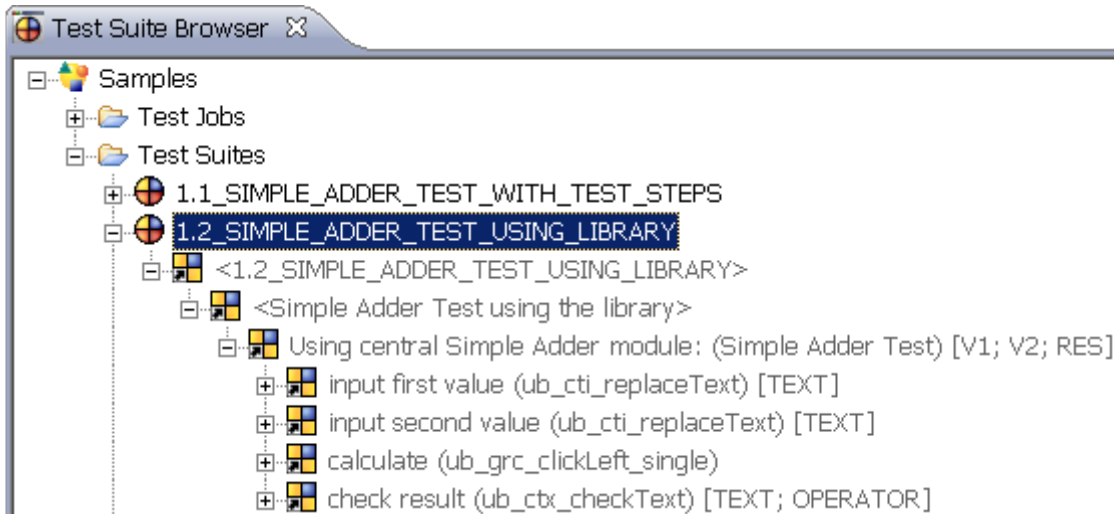
# The best of both worlds



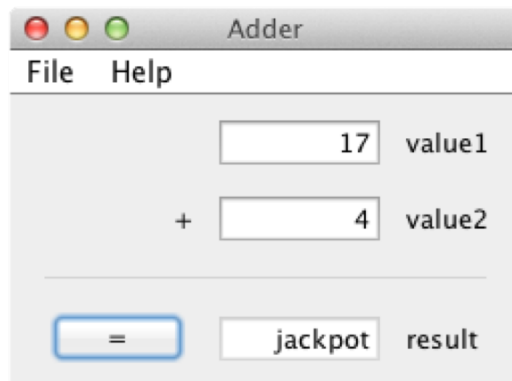
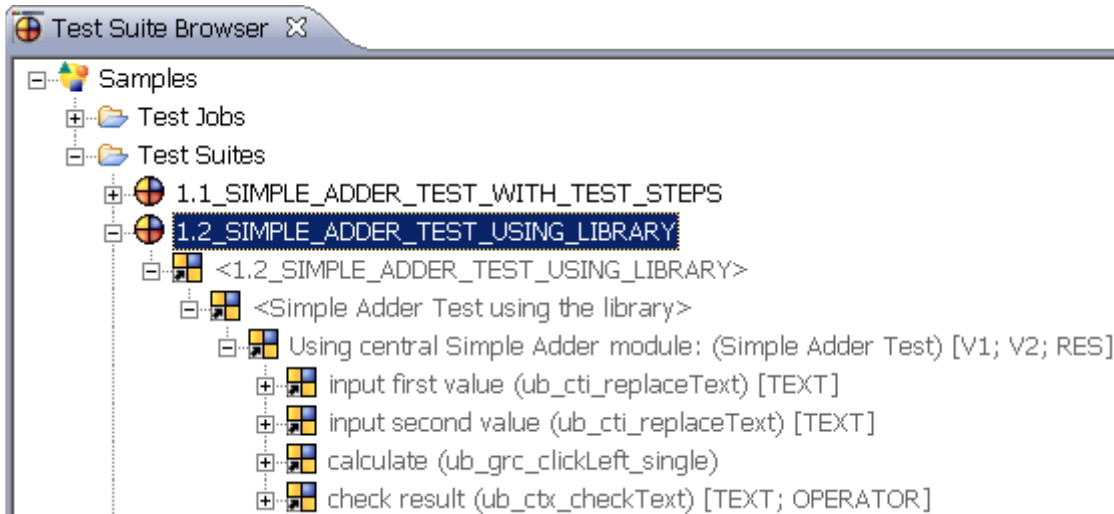
# Concept: re-usable keywords



# Concept: map to AUT



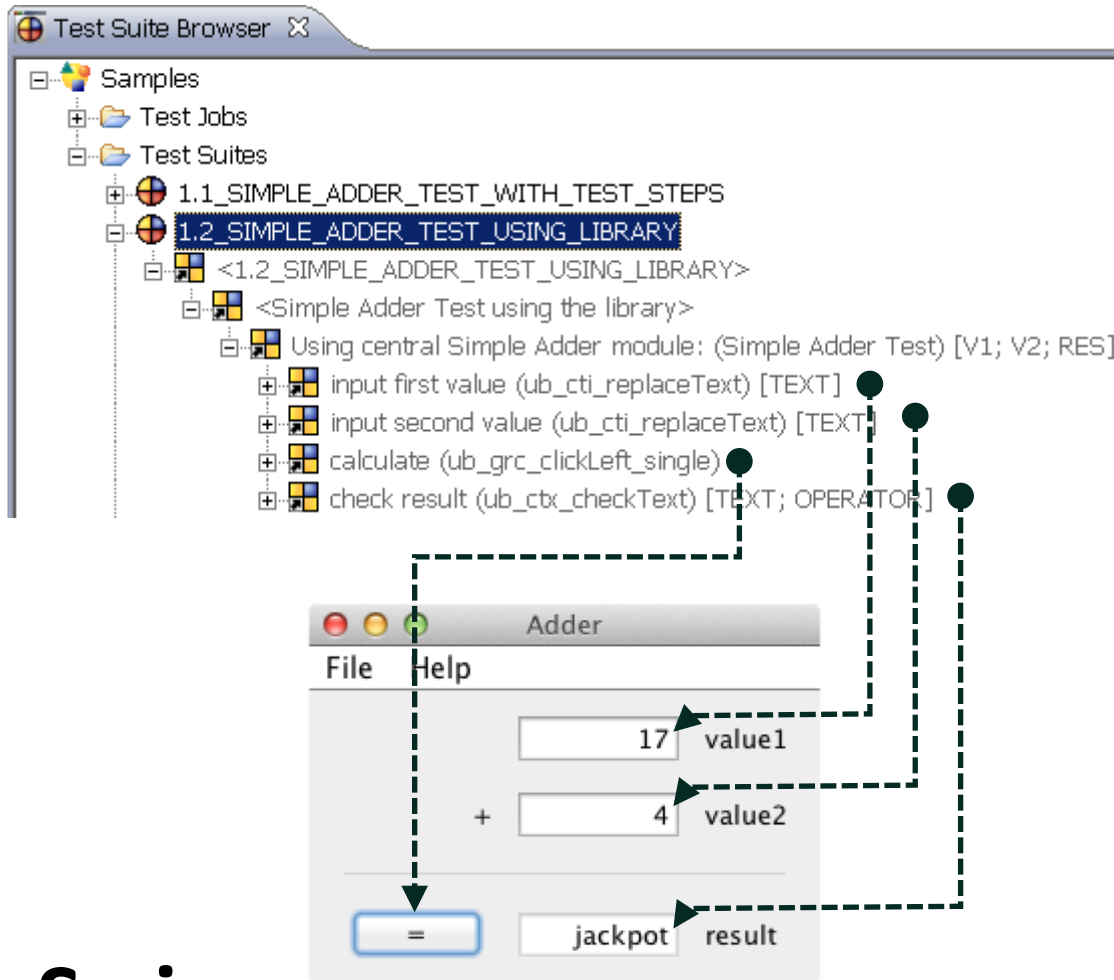
# Concept: map to AUT



**Swing**

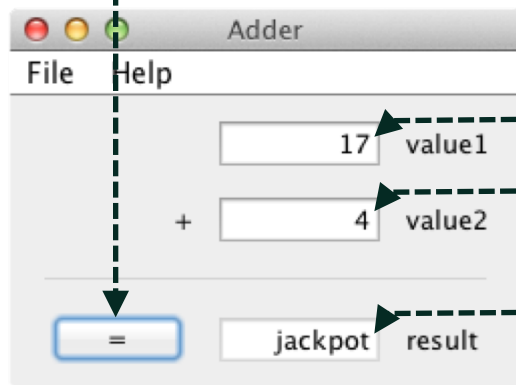
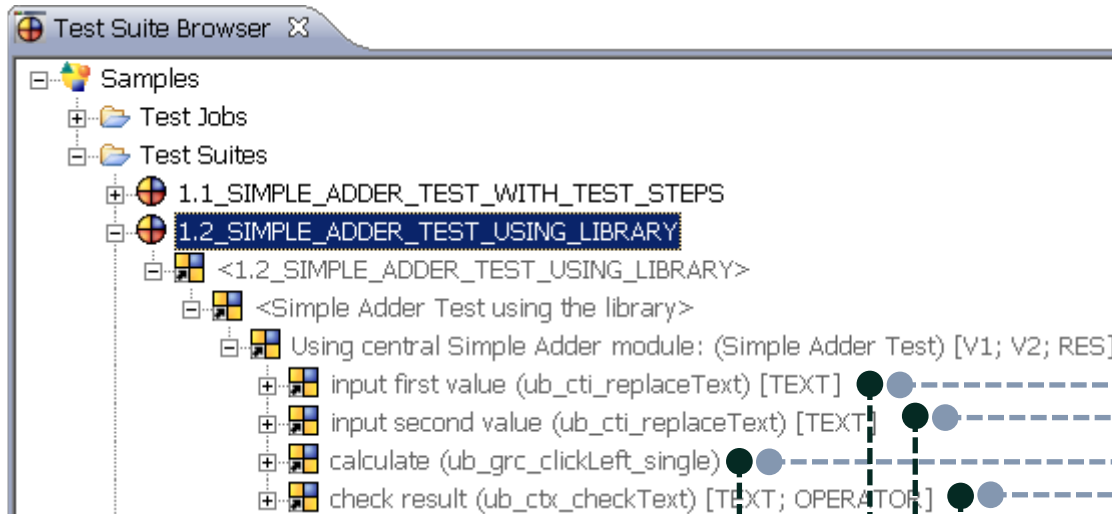
04.11.15

# Concept: map to AUT

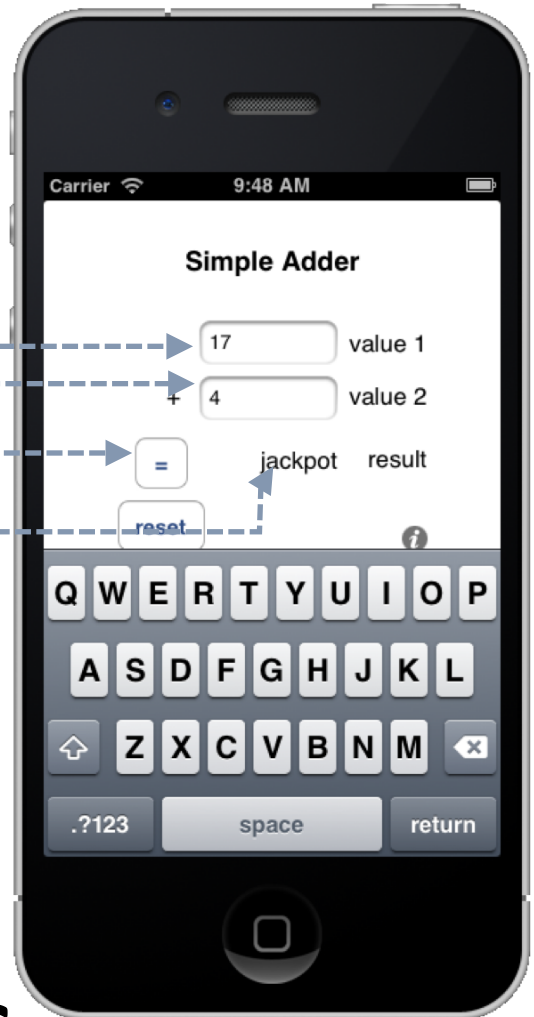


**Swing**

# Concept: map to AUT



Swing



iOS

# Concept: test execution

- ▶ all major platforms

Windows

Linux

Mac OS X

- ▶ many UI toolkits

JavaFX

e(fx)clipse

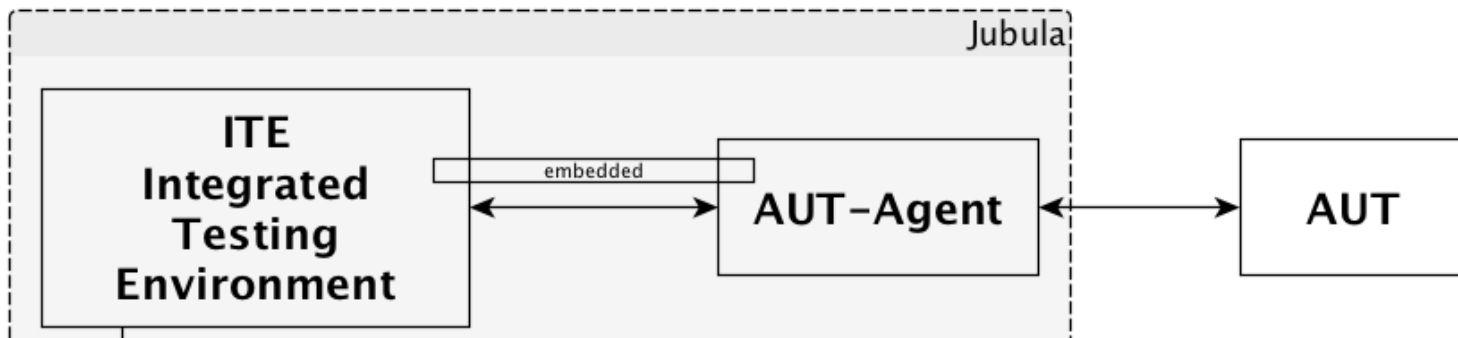
SWT / RCP

Swing

HTML

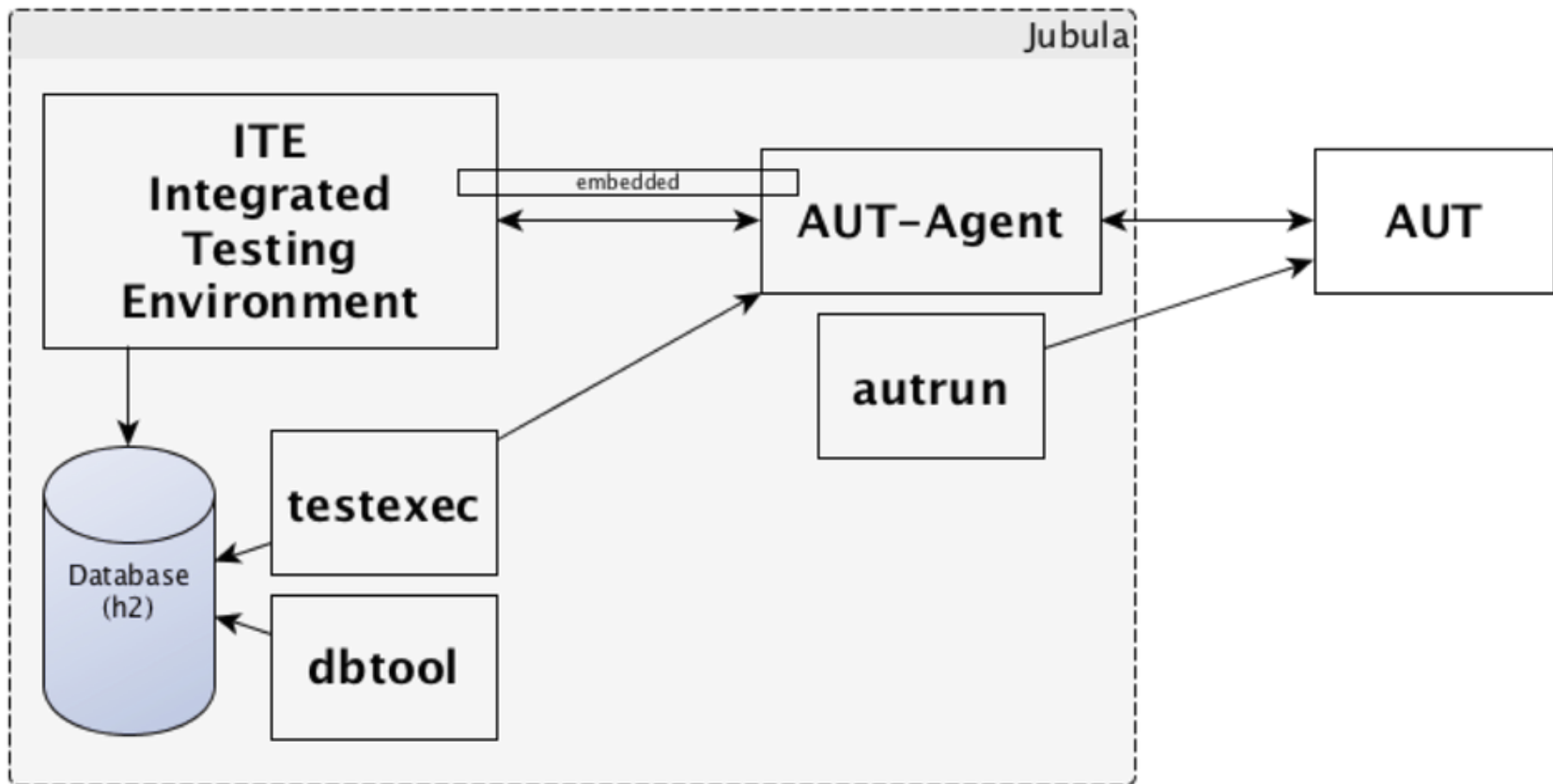
iOS

- ▶ cross-network execution via TCP/IP

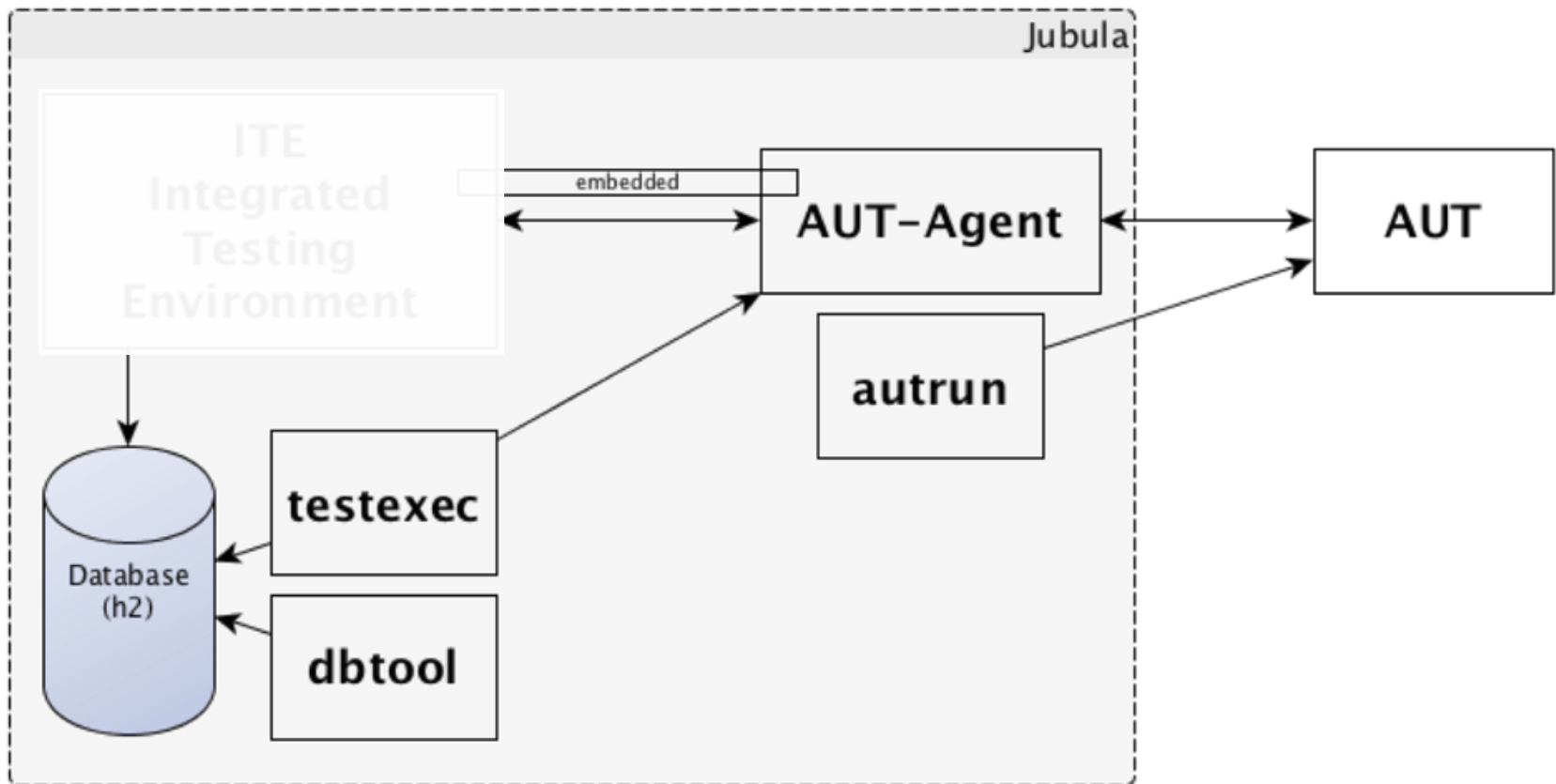


# ITE demo

# Continuous integration



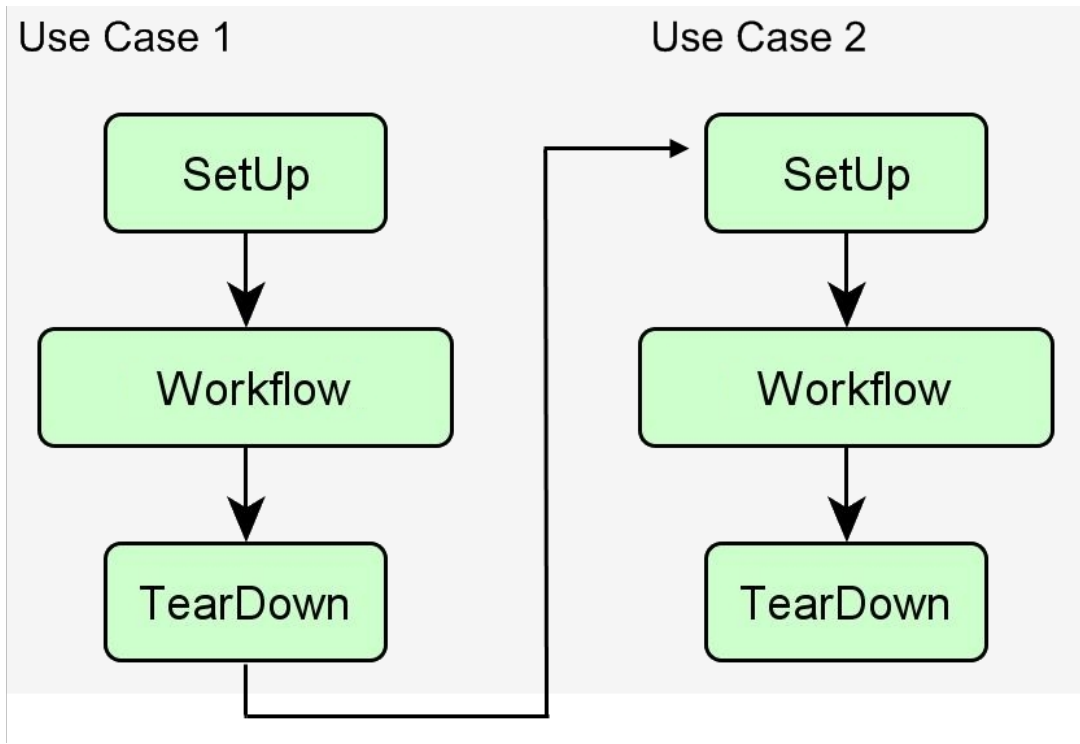
# Continuous integration



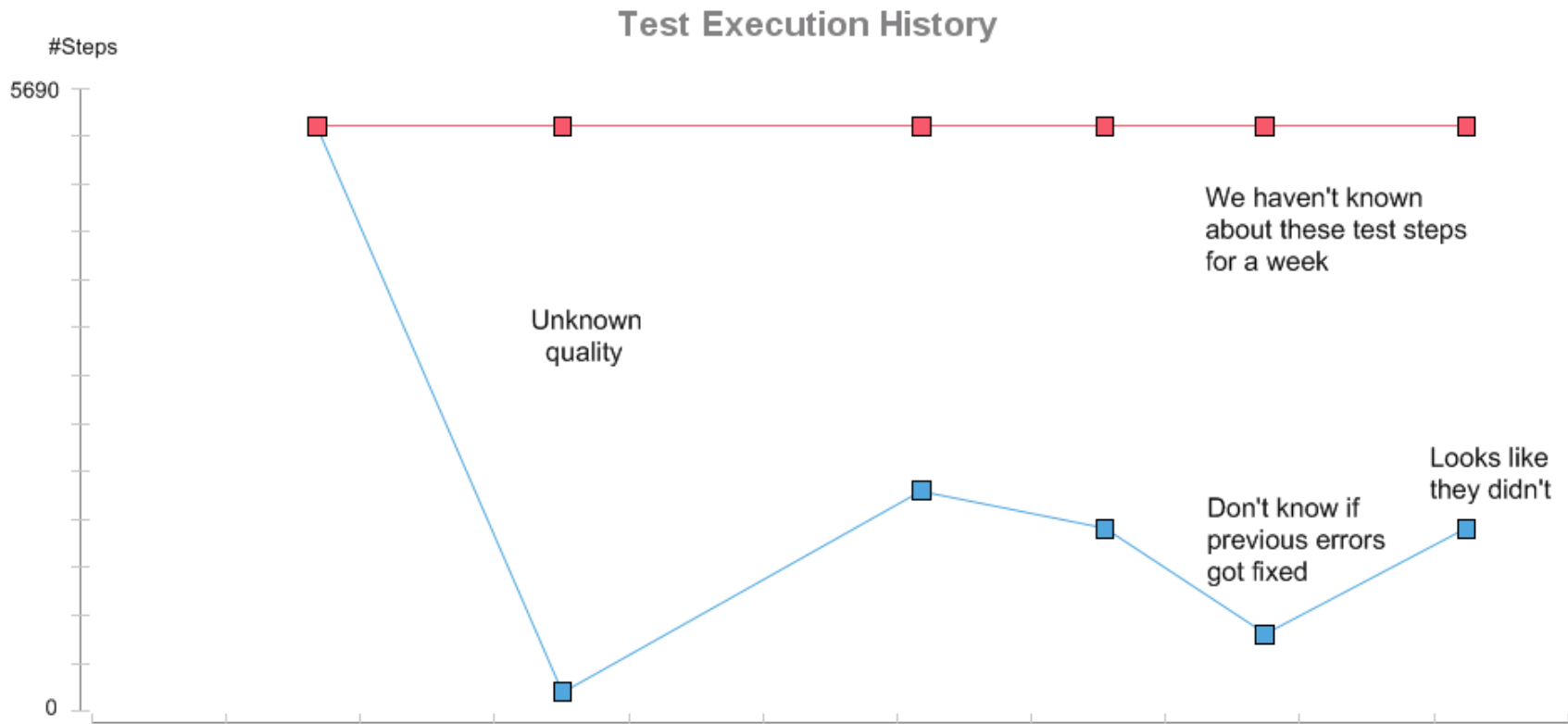
# testexec demo

# Concept: event handling

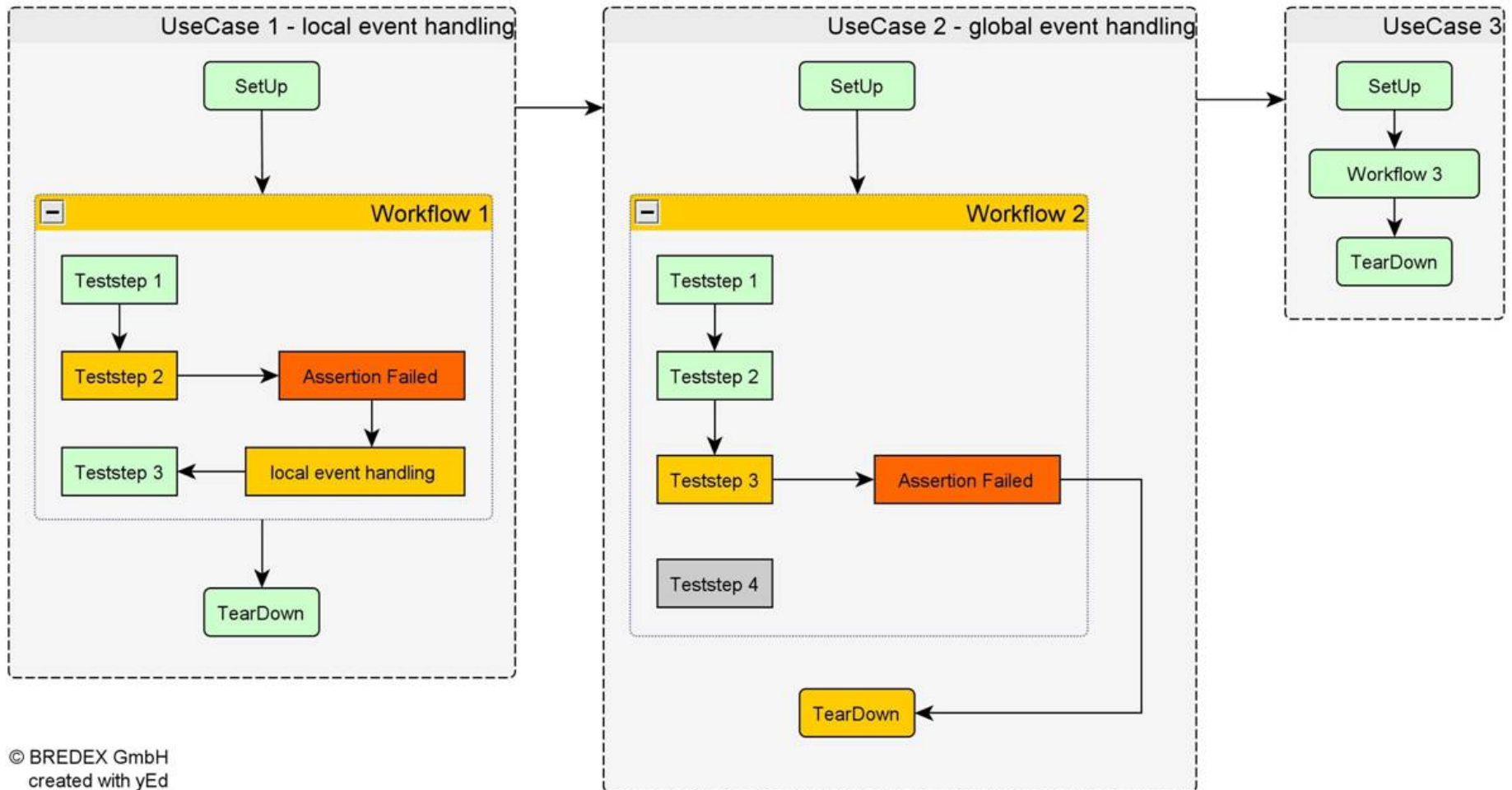
What if an error occurs?



# Concept: event handling

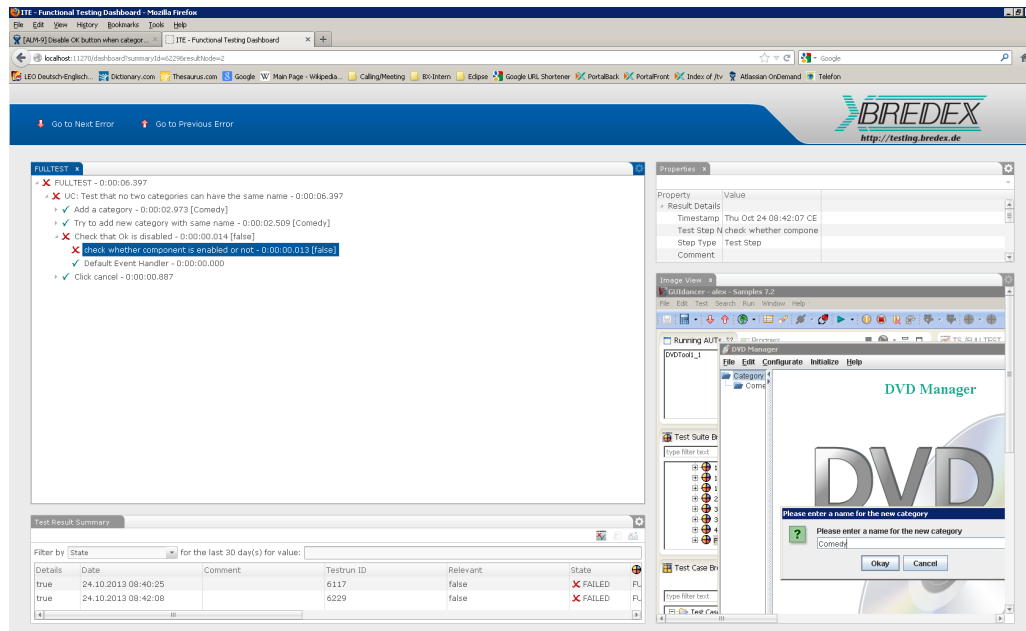


# Concept: event handling



# Event handling demo

# App lifecycle integration



- ▶ reporting of test results per requirement
- ▶ linking within the ITE + dashboard
- ▶ many Mylyn connectors available

# Quick summary

- ▶ ITE for non-technical testers
  - rich features for complete test automation process
- ▶ Mars ships the Jubula Client API
  - aimed at developers / technical testers
  - → lightning talk
- ▶ What's coming
  - Performance improvements
  - Support for distributed and concurrent working scenarios
  - API evolution
    - embedded AUT-Agent

# Q&A

- ▶ [www.eclipse.org/jubula](http://www.eclipse.org/jubula)
  - forum
  - mailing lists
  - source code
  - documentation
- ▶ <http://testing.bredex.de>
  - Jubula standalone version
  - all examples + tools

