# J2J JAVAFX TESTING WITH JUBULA

by @MarkusTiede - BREDEX GmbH



# **AGENDA**

What's Jubula?

The concepts...

What's working?

Having some fun...

Some insights...

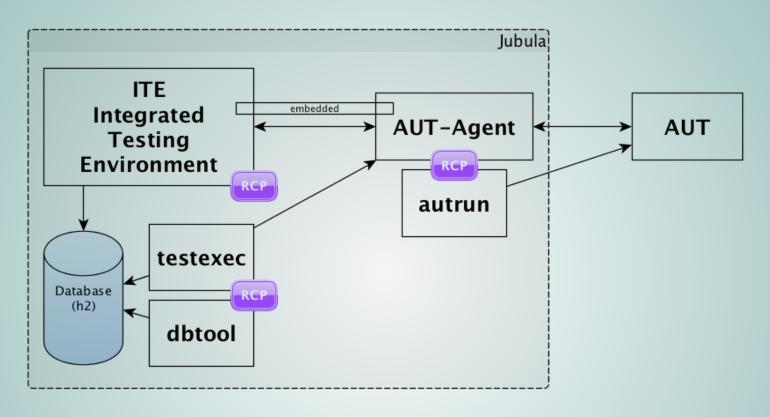
Getting started...

#### WHAT'S JUBULA?



@eclipse.org/jubula since 2011
automated functional GUI testing
Code-free keyword-based black-box approach
human-readable test steps + robust UI widget recognition

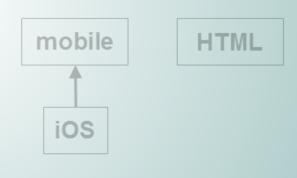
# JUBULA - THE BIG PICTURE

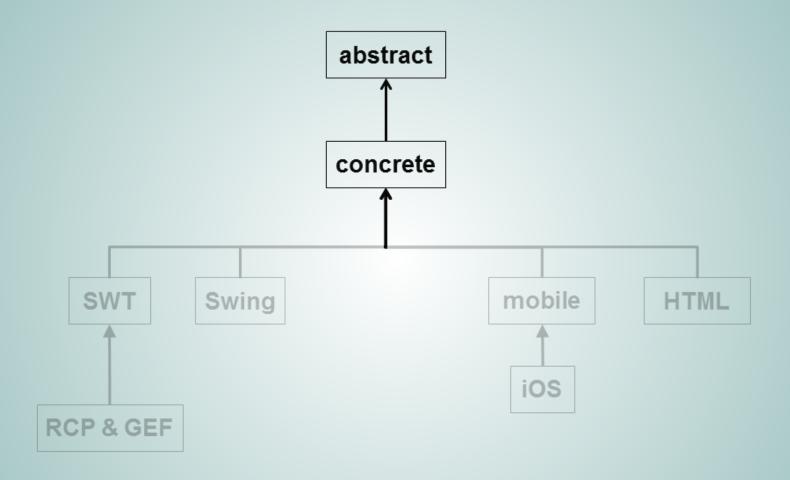


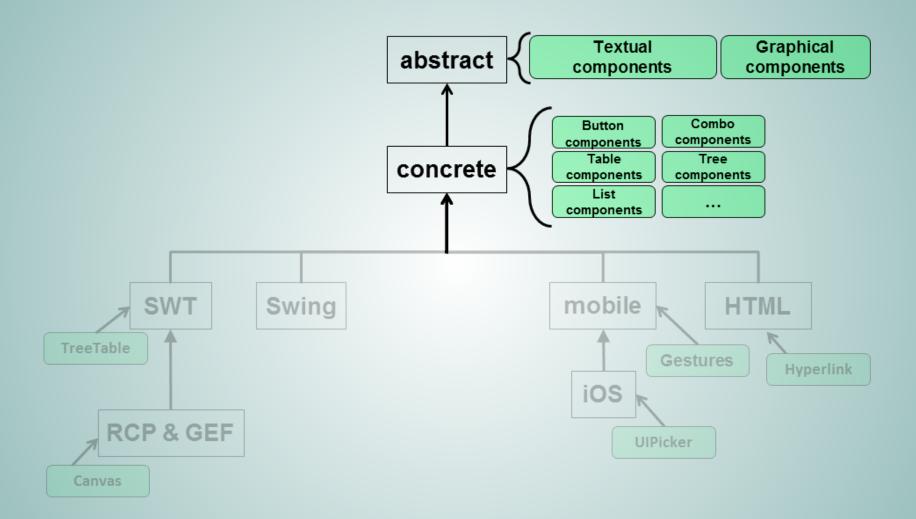
AUT: Application under Test

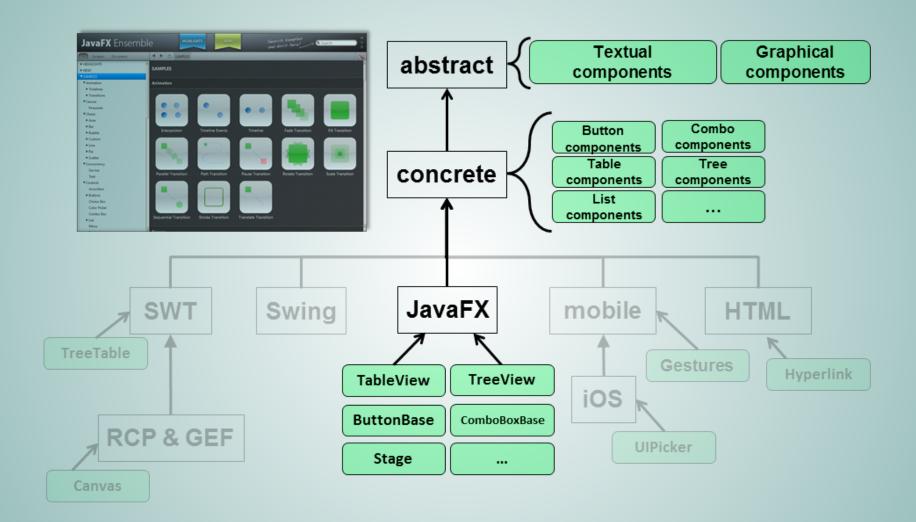
# THE CONCEPT: TOOLKITS

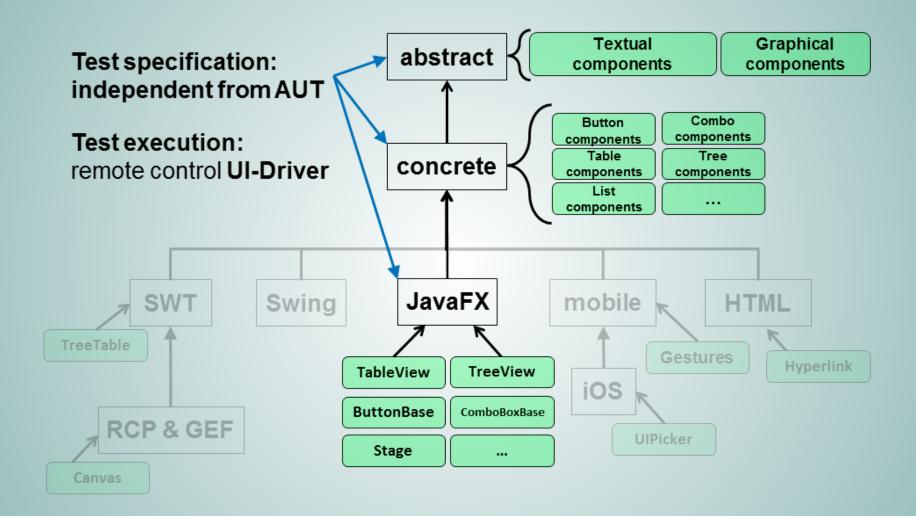


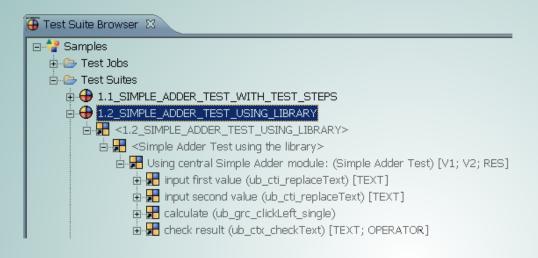


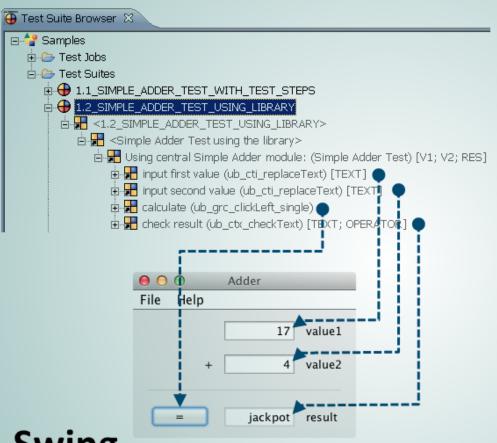




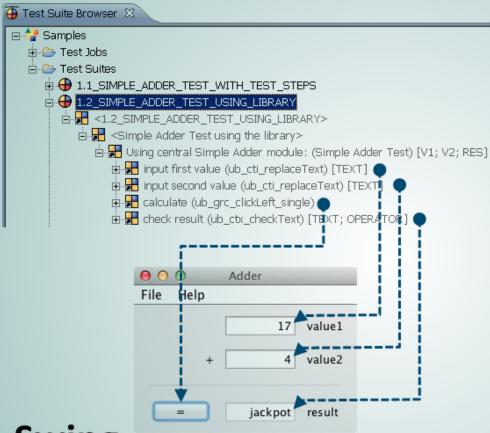


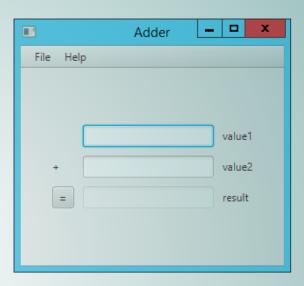






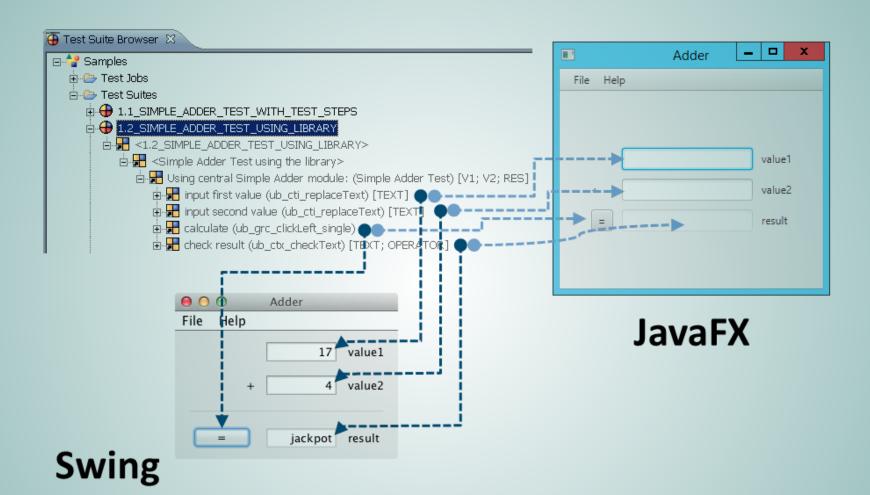
**Swing** 



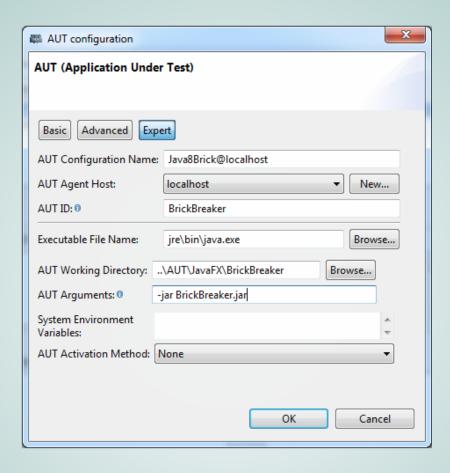


**JavaFX** 

**Swing** 



### THE CONCEPT: AUT START



# DEMO: SIMPLE ADDER

#### WHAT'S WORKING?

JavaFX on Java 8

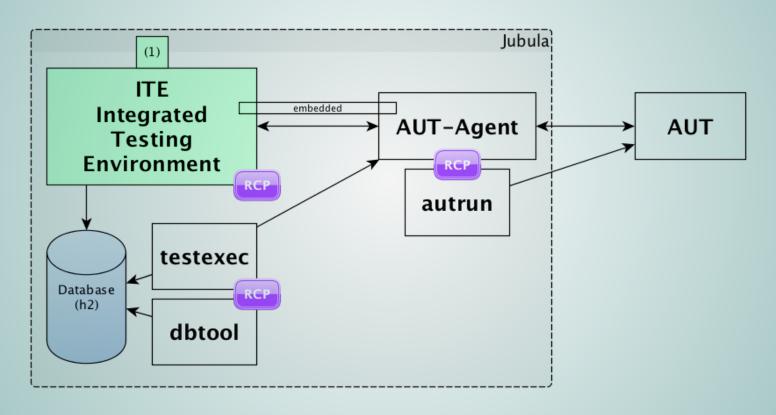
Standalone and e(fx)clipse based AUTs

Supported wigdets: Accordion, Button, ButtonBase, CheckBox, ChoiceBox, ComboBox, Hyperlink, ImageView, Label, ListView, MenuButton, PasswordField, RadioButton, Stage, TableView, TabPane, Text, TextInputControl, TitledPane, TextArea, TextField, TreeView, TreeTableView, ToggleButton

current status: http://www.eclip.se/421595

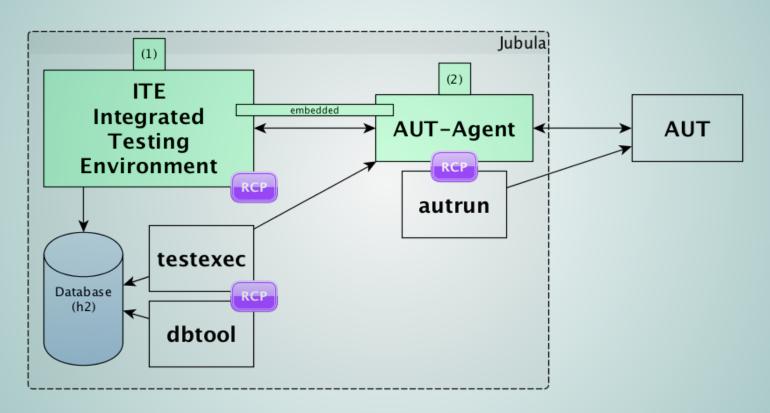
#### SUPPORTING CUSTOM COMPONENTS

(1) write extension for ITE: o.e.jubula.toolkit.common.toolkitsupport information about type-system and supported CAPs



#### SUPPORTING CUSTOM COMPONENTS

(2) provide fragments for RC bundles in AUT-Agent provide toolkit dependent technical realization



#### LET'S HAVE SOME FUN...

- show 3 high-level tests using only 4 test steps (out of 270+)
  - store
  - wait
  - compare
  - move
- demonstrate strength in object recognition
  - reliability
  - speed

# ... AND BREAK STH!



official Oracle JavaFX example application

#### **SOME INSIGHTS...**

**no** modifications in AUT necessary but to improve object heursitic in JavaFX use:

```
/**
  * The id of this {@code Node}. This simple string
  * identifier is useful for finding a specific Node
  * within the scene graph ...
  */
void javafx.scene.Node.setId(String value)
```

# ADDITIONAL INFO / GETTING STARTED?

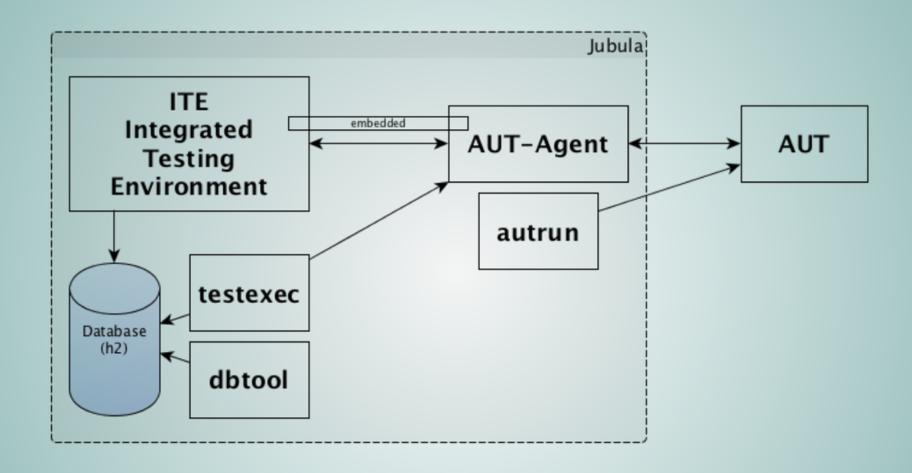
Get the latest version of Jubula!

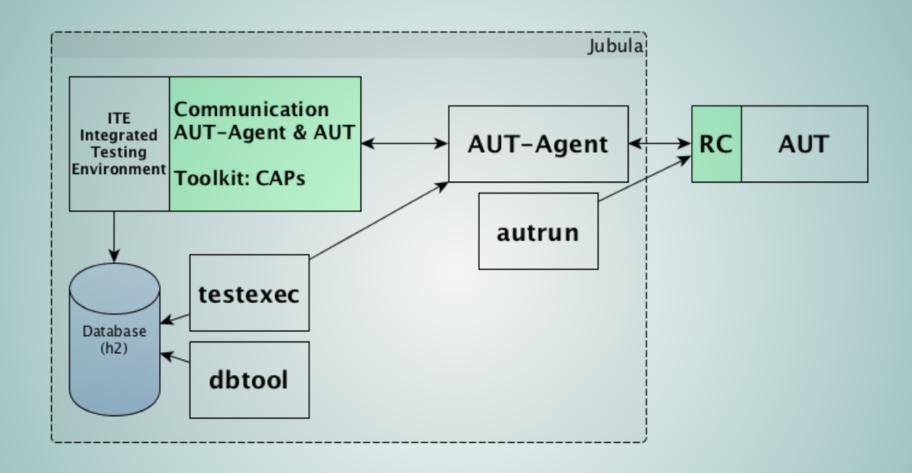
Recommended: Eclipse for Testers Mars M3 - Friday, November 14

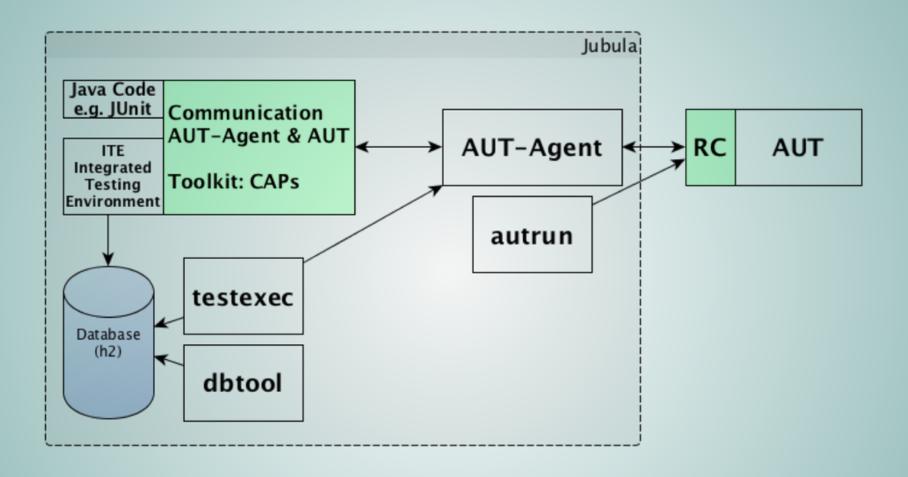
Eclipse Magazin - 5.2014 - Jubula goes JavaFX

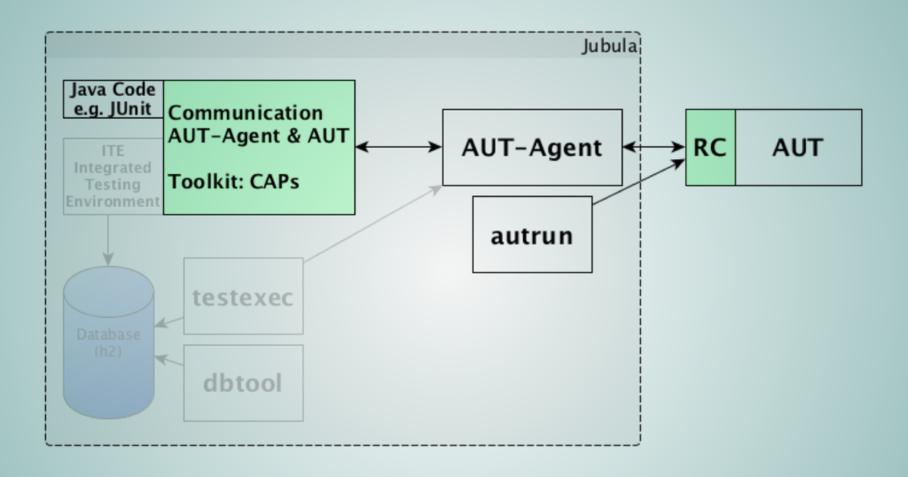
First steps: Help → Cheat Sheets...

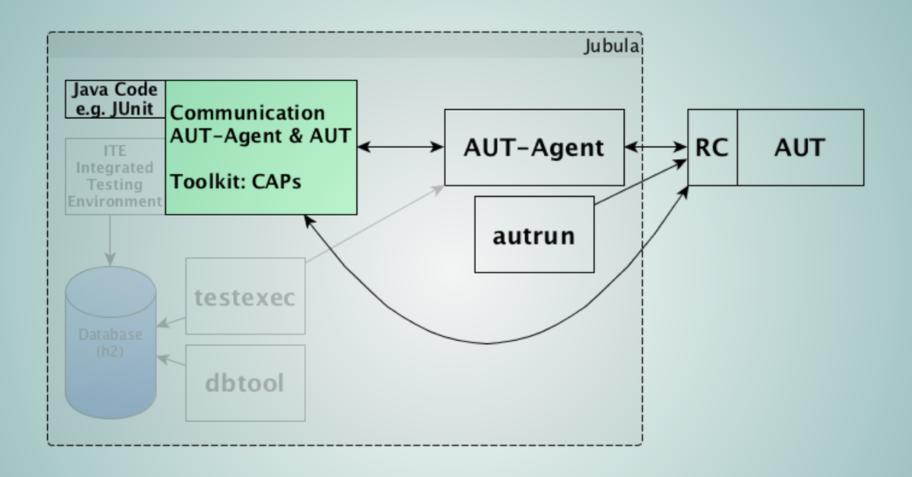
# A SNEAK PEEK...

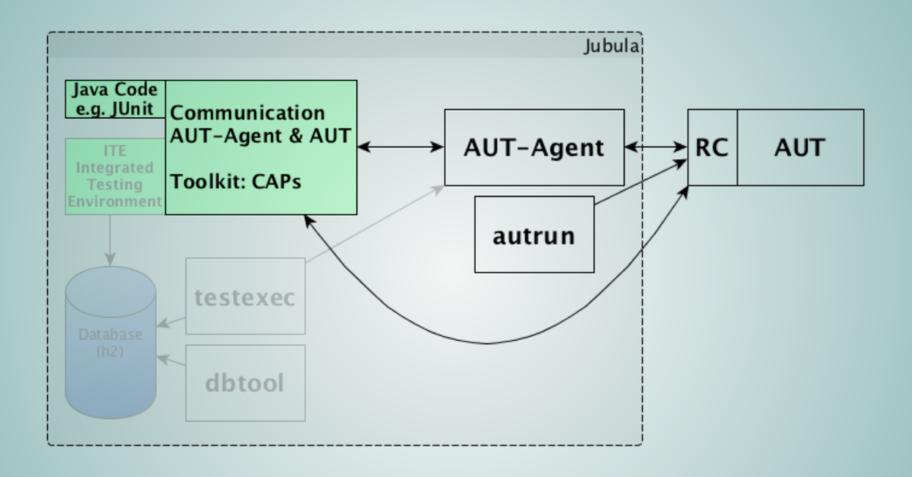














Twitter: @MarkusTiede Markus.Tiede@bredex.de

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