User Guide
Baile V&V Prototype

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1. Overview

This software prototype is part of HP Baile Project[1], more specifically, this prototype belongs to the research line "Verification & Validation of Choreographies". More details about this research line and the basis of our software can be found in this technical report [**?**]. In this user guide, we described in steps how to install and use the software.

2. Prerequisites

The following software elements must be installed and working:

- Java 6 [2]
- SQLite 3 [3]
- Ant [1]

3. Where to download ?

The source code, the scripts and its dependencies are available on:

4. Software directory structure

Our prototype are structure in the following files and directories (just the most important are described bellow):

file/directory	Description
baile.sh	script to start the application
src/	source code
test/	test code
config/	OpenKnowledge configuration files
lcc/	OpenKnowledge interaction model
lib/	third-party dependencies
log/	log files
test-reports/	html test reports

5. How to use ?

In this section, we detailed the main steps to interact with the application.

1. Start the script **baile.sh**, and then, the application will start:
2. In the prompt, start the choreography by typing **start_chore** (as showed in Figure 2)
3. Once all components of choreography (services, roles, OpenKnowledge entities) have been started successfully (as showed in Figure 2), the tests can be execute. The following commands are valid:

6. How to add more test cases ?

The script compiles every test classes located at *test/br/usp/ime/test/* before any test execution. So, if you modify a an existing test class, the next time you run one of the test commands described above the modifications will be compiled.

New test classes need to be added in its test strategy folder(unit, integration, and acceptance). The script will recognised it in the first test command executed after the insertion.

[1] Baile Project: http://ccsl.ime.usp.br/baile/

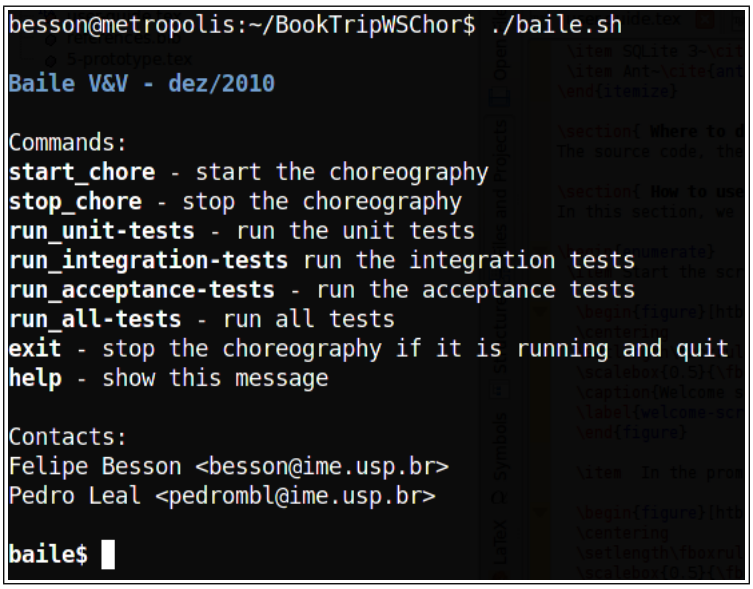

Figure 1. Welcome screen

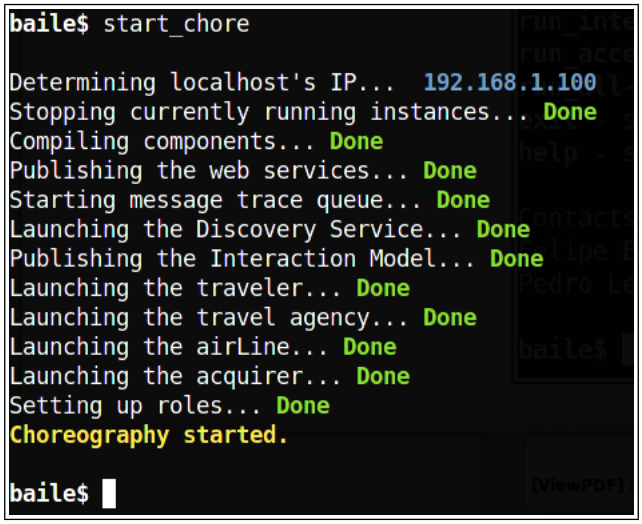

Figure 2. Starting the choreography

Command	Description
run_unit-tests	run the unit tests
run_integration-tests	run the integration tests
run_acceptance-tests	run the acceptance tests
run_all-tests	run all tests

7. Known Issues

8. Acknowledgements

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9. Appendices

References

[1] Apache Ant. Java library and command-line for automated building. Available on: <http://ant.apache.org/>, 2010.

[2] Oracle. Java se downloads. Available on: <http://www.oracle.com/technetwork/java/javase>, 2010.

[3] SQLite. Sql database engine. Available on: <http://www.sqlite.org>, 2010.