

Isabelle/jEdit NEWS

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Isabelle/jEdit is the default user-interface and Prover IDE (PIDE) for Isabelle. After several years of development of Isabelle/PIDE concepts and implementation of Isabelle/Scala infrastructure, Isabelle/jEdit was first released in October 2011 as a proper application. Each subsequent release made significant progress, so that we can speak already of about 5 generations of Isabelle Prover IDEs today.

This system demo will give an overview of NEWS for Isabelle/jEdit in the forthcoming Isabelle2014 release, which is anticipated for summer 2014. Both the prover and the integration with the underlying jEdit editor have been refined in various ways. Here is an incomplete list of notable items:

- Improved syntactic and semantic completion mechanism.
- Integrated spell-checker for embedded prose text.
- Internal hyperlink navigation within the editor.
- External URL and browser support.
- Support for auxiliary files within the document model for continuous checking, e.g. via **ML-file** as shown in figure 1.
- Specific support for Standard ML, so that Isabelle/jEdit can be used as IDE for official SML'97, independently of Isabelle/ML.

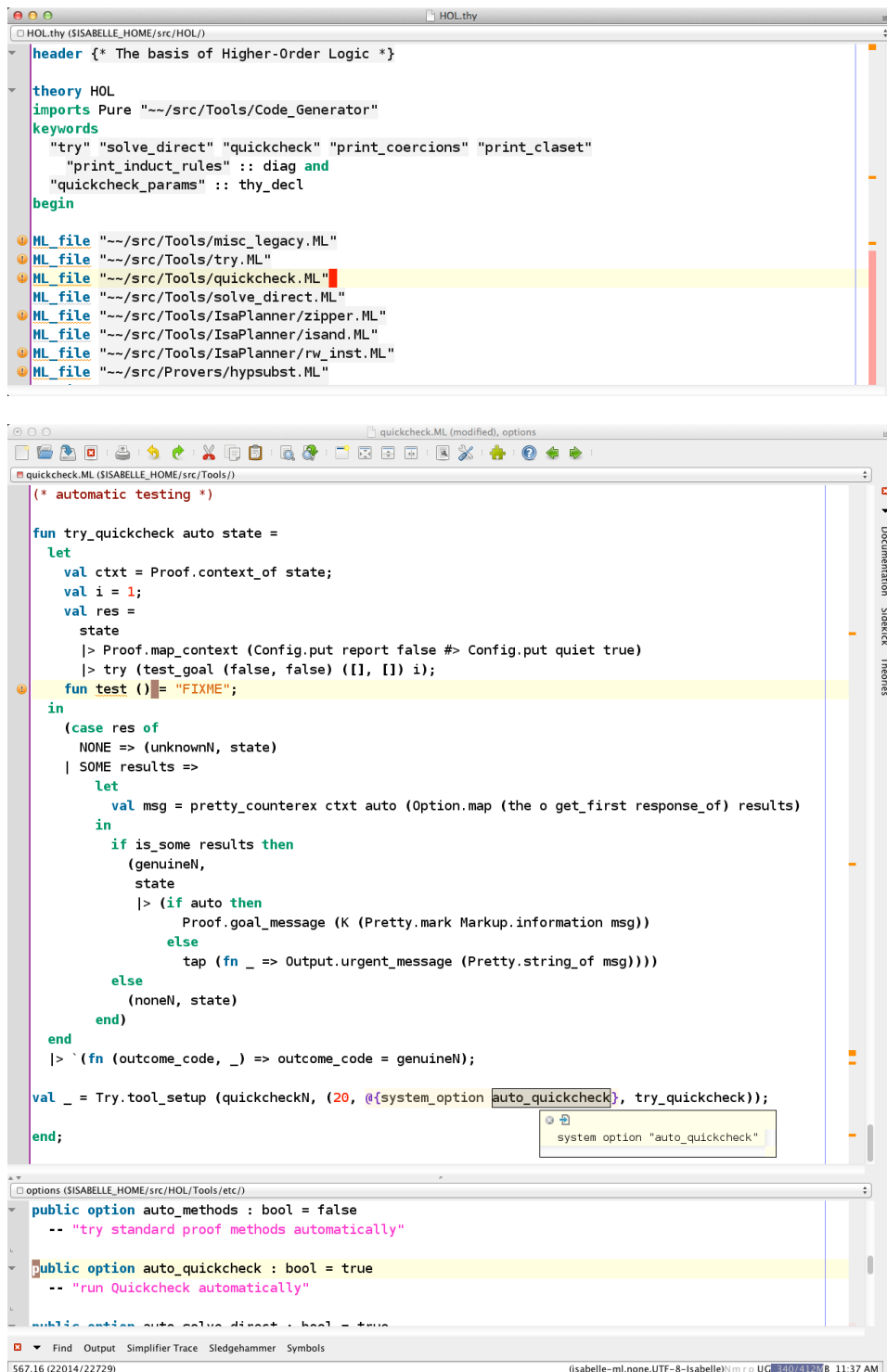


Figure 1: Live editing and browsing of Isabelle/HOL ML files