

McScM - Feature # 13: Adapt Makefiles to Debugging/Profiling and split bytecode/native

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|---------------------|--|------------------|----------------|
| Status: | Closed | Priority: | Normal |
| Author: | Alexander Heußner | Category: | |
| Created: | 05/28/2010 | Assignee: | Grégoire Sutre |
| Updated: | 04/08/2011 | Due date: | |
| Subject: | Adapt Makefiles to Debugging/Profiling and split bytecode/native | | |
| Description: | <p>Currently, the makefiles automatically generate a bytecode and a native version of our code at the same time. The only difference wrt. to compiler flags is that the bytecode version includes «asserts» and tracebacks whereas the machinecode ignores same:</p> <pre><pre> OCAML_B_FLAGS ?= -annot -g OCAML_N_LDFLAGS ?= -annot -noassert -unsafe -inline 100 </pre></pre> <p>This includes certain problems wrt to debugging (with the native binary) and profiling (problems with compilations when using ocamlcp as compiler - no extra bug report submitted). Thus I propose to</p> <ul style="list-style-type: none">* totally split bytecode and machinecode generation* allow different modes for each, e.g., adding -g, -p, and -noassert flags on demand* an explicit ocamlcp compilation for bytecode profiling | | |

History

05/28/2010 07:24 pm - Alexander Heußner

- Assignee set to Grégoire Sutre

06/02/2010 02:28 pm - Alexander Heußner

I totally forgot the @-annot@ flag in debugging (=development) mode for generating type annotations (accessible for you favorite editor)

06/03/2010 09:15 am - Alexander Heußner

one could take inspiration from Ocaml-Make see details in <http://hg.ocaml.info/release/ocaml-make/raw-file/release-6.29.3/README.txt> (viz especially profiling and annotations)

06/05/2010 03:58 pm - Alexander Heußner

split underlying real built problem into bug report #17 (problems with packageing when building purely bytecode version)

07/02/2010 04:54 pm - Grégoire Sutre

- Status changed from New to Closed

- % Done changed from 0 to 100

Fixed by switch to ocamlbuild. However, we still can't do byte-code profiling as ocamlbuild does not permit it. But native-code profiling should be sufficient for now.

04/08/2011 01:26 pm - Grégoire Sutre

- Target version set to 1.0