

## MicroTESK - Bug #10121

### technical output printing at 'compile.sh' script running with '--help' option

02/13/2020 05:42 PM - Sergey Smolov

<b>Status:</b>	Open	<b>Start date:</b>	02/13/2020
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Alexander Kamkin	<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2.5	<b>Spent time:</b>	0.00 hour
<b>Detected in build:</b>	master	<b>Published in build:</b>	
<b>Platform:</b>			

#### Description

```
$ ./bin/compile.sh --help
Buildfile: /home/ssedai/Downloads/microtesk-2.5.1-beta-200127/bin/build.xml

clean:
  [delete] Deleting directory /home/ssedai/Downloads/microtesk-2.5.1-beta-200127/gen

BUILD SUCCESSFUL
Total time: 0 seconds
usage: [options] Files to be processed
-ad,--arch-dirs <arg>           Home directories for tested architectures [works with -g],
                                default=""
-ae,--asserts-enabled           Enables assertion checks during simulation [works with -g],
                                default=false
-af,--align-format <arg>       Alignment directive format [works with -g], default=".align %d"
-aff,--align-format2 <arg>     Alignment directive format [works with -g], default=".align %d,
                                0x%02x"
-baf,--byte-align-format <arg> Byte alignment directive format [works with -g], default=".bali
gn
                                %d"
-baff,--byte-align-format2 <arg> Byte alignment directive format [works with -g], default=".bali
gn
                                %d, 0x%02x"
-bel,--branch-exec-limit <arg> Maximum execution count for an instruction [works with -g],
                                default=100
-bfbe,--binary-file-big-endian  Use big endian for binary files, default=false
-bfe,--binary-file-extension <arg> Binary file extension [works with -g], default="bin"
-btn,--base-template-name <arg> Name of test template base class [works with -gt], default=""
-btp,--base-template-path <arg> Path to test template base class file [works with -gt],
                                default=""
-cd,--comments-debug           Enables generation of detailed comments, depends on
                                --comments-enabled [works with -g], default=false
-ce,--comments-enabled         Enables generation of comments [works with -g], default=false
-cfe,--code-file-extension <arg> Output file extension [works with -g], default="asm"
-cfp,--code-file-prefix <arg>  Output file prefix [works with -g], default="test"
-cl,--coverage-log            Enables coverage trace generation [works with -g], default=fals
e
-ct,--comment-token <arg>      Single-line comment text [works with -g], default="//"
-cte,--comment-token-end <arg> Text that ends a multiline comment [works with -g], default="*/
"
-cts,--comment-token-start <arg> Text that starts a multiline comment [works with -g],
                                default="/*"
-d,--disassemble              Disassembles binary files, default=false
-dfe,--data-file-extension <arg> Data file extension [works with -g], default="asm"
-dfp,--data-file-prefix <arg>  Data file prefix [works with -g], default="data"
-dp,--debug-print             Enables printing detailed debug messages [works with -g],
                                default=false
-dsk,--data-section-keyword <arg> Data section directive [works with -g], default=".data"
-dtd,--default-test-data      Enables generation of default test data [works with -g],
```

```

                                default=false
-ed,--extension-dir <arg>      Directory that stores user-defined Java code [works with -t],
                                default=""
-efp,--except-file-prefix <arg> Exception handler file prefix [works with -g],
                                default="test_except"
-fde,--fetch-decode-enabled    Enables allocation, fetching and decoding of instructions [work
s
                                with -g], default=false
-g,--generate                  Generates test programs, default=false
-gb,--generate-binary          Enables generating binary files (limited functionality for
                                debugging) [works with -g], default=false
-gf,--global-format <arg>     Global directive format [works with -g], default=".globl %s"
-gt,--generate-template       Generates test templates, default=false
-h,--help                      Shows help message, default=false
-i,--include <arg>            Directory that stores include files [works with -t], default=""

-ii,--ignored-instructions <arg> Instructions to be ignored [works with -gt], default=""
-in,--instance-number <arg>   Number of processing element instances [works with -g], default
=1
-it,--indent-token <arg>      Indentation text [works with -g], default="
"
-jtpm,--jruby-thread-pool-max <arg> JRuby: maximum number of threads to allow in pool [works with
-g], default=2147483647
-mn,--model-name <arg>       Name of the constructed microprocessor model [works with -t],
                                default=""
-ns,--no-simulation           Disables simulation of generated code [works with -g],
                                default=false
-od,--output-dir <arg>       Directory to place generated files, default="./output"
-of,--origin-format <arg>     Origin directive format [works with -g], default=".org 0x%x"
-off,--option-format <arg>    Option directive format [works with -g], default=".option %s"
-paf,--power2-align-format <arg> Power of 2 alignment directive format [works with -g],
                                default=".p2align %d"
-paff,--power2-align-format2 <arg> Power of 2 alignment directive format [works with -g],
                                default=".p2align %d, 0x%02x"
-pll,--program-length-limit <arg> Maximum program length [works with -g], default=1000
-rd,--reserve-dependencies    Enables automated reservation of registers that have dependenci
es
                                [works with -g], default=false
-re,--reserve-explicit        Enables marking all explicitly specified registers as used [wor
ks
                                with -g], default=false
-ri,--rev-id <arg>           Identifier of revision to be used, default=""
-rl,--rate-limit <arg>       Minimum generation rate [works with -g], default=0
-rs,--random-seed <arg>      Seed for randomizer [works with -g], default=0
-s,--solver <arg>            Constraint solver engine to be used, default="cvc4"
-sc,--self-checks            Enables inserting self-checks into test programs [works with -g
],
                                default=false
-sd,--solver-debug           Enables debug mode for SMT solvers [works with -g], default=fal
se
-se,--symbolic-execute       Performs symbolic execution, default=false
-st,--separator-token <arg>   Text used to create separators [works with -g], default=""
-t,--translate                Translates formal specifications, default=false
-tl,--tracer-log              Enables generation of Tracer logs for simulation [works with -g
],
                                default=false
-tll,--trace-length-limit <arg> Maximum execution trace length [works with -g], default=1000
-ts,--time-statistics         Enables printing time statistics [works with -g], default=false
-tsk,--text-section-keyword <arg> Text section directive [works with -g], default=".text"
-tt,--transform-trace        Transforms traces into templates, default=false
-v,--verbose                  Enables printing diagnostic messages, default=false
-wf,--weak-format <arg>      Weak directive format [works with -g], default=".weak %s"

```

Buildfile: /home/ssedai/Downloads/microtesk-2.5.1-beta-200127/bin/build.xml

build:

```
[mkdir] Created dir: /home/ssedai/Downloads/microtesk-2.5.1-beta-200127/gen/bin
```

BUILD FAILED

```
/home/ssedai/Downloads/microtesk-2.5.1-beta-200127/bin/build.xml:47: srcdir "/home/ssedai/Download
s/microtesk-2.5.1-beta-200127/gen/src/java" does not exist!
```

## History

### #1 - 02/13/2020 06:12 PM - Alexander Protsenko

compile.sh:

```
@call ant -f %MICROTESK_HOME%/bin/build.xml clean
@call java -ea -jar "%MICROTESK_HOME%/lib/jars/microtesk.jar" -od "%MICROTESK_HOME%/gen" %*
@call ant -f %MICROTESK_HOME%/bin/build.xml
```

### #2 - 02/13/2020 06:15 PM - Alexander Protsenko

- Status changed from New to Resolved

### #3 - 02/13/2020 06:33 PM - Sergey Smolov

- Status changed from Resolved to Open

I don't think that the bug is resolved. Other scripts provide the adequate output for the '--help' option, but compile.sh returns the following:

Buildfile: /home/ssedai/projects/microtesk/build/distributions/microtesk-2.5.2-beta-SNAPSHOT/bin/build.xml

```
clean:
  [delete] Deleting directory /home/ssedai/projects/microtesk/build/distributions/microtesk-2.5.2-beta-SNAPSH
OT/gen
```

BUILD SUCCESSFUL

Total time: 0 seconds

usage: [options] Files to be processed

```
-ad,--arch-dirs <arg>           Home directories for tested architectures [works with -g],
                                default=""
-ae,--asserts-enabled           Enables assertion checks during simulation [works with -g],
                                default=false
-af,--align-format <arg>       Alignment directive format [works with -g], default=".align %d"
-aff,--align-format2 <arg>     Alignment directive format [works with -g], default=".align %d,
                                0x%02x"
-baf,--byte-align-format <arg> Byte alignment directive format [works with -g], default=".balign
                                %d"
-baff,--byte-align-format2 <arg> Byte alignment directive format [works with -g], default=".balign
                                %d, 0x%02x"
-bel,--branch-exec-limit <arg> Maximum execution count for an instruction [works with -g],
                                default=100
-bfbe,--binary-file-big-endian Use big endian for binary files, default=false
-bfe,--binary-file-extension <arg> Binary file extension [works with -g], default="bin"
-btn,--base-template-name <arg> Name of test template base class [works with -gt], default=""
-btp,--base-template-path <arg> Path to test template base class file [works with -gt],
                                default=""
-cd,--comments-debug           Enables generation of detailed comments, depends on
                                --comments-enabled [works with -g], default=false
-ce,--comments-enabled         Enables generation of comments [works with -g], default=false
-cfe,--code-file-extension <arg> Output file extension [works with -g], default="asm"
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                                default="/*"
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-dfe,--data-file-extension <arg> Data file extension [works with -g], default="asm"
-dfp,--data-file-prefix <arg>   Data file prefix [works with -g], default="data"
-dp,--debug-print               Enables printing detailed debug messages [works with -g],
                                default=false
-dsk,--data-section-keyword <arg> Data section directive [works with -g], default=".data"
-dtd,--default-test-data       Enables generation of default test data [works with -g],
                                default=false
-ed,--extension-dir <arg>      Directory that stores user-defined Java code [works with -t],
                                default=""
```

```

-efp,--except-file-prefix <arg> Exception handler file prefix [works with -g],
                                default="test_except"
-fde,--fetch-decode-enabled     Enables allocation, fetching and decoding of instructions [works
                                with -g], default=false
-g,--generate                   Generates test programs, default=false
-gb,--generate-binary           Enables generating binary files (limited functionality for
                                debugging) [works with -g], default=false
-gf,--global-format <arg>      Global directive format [works with -g], default=".globl %s"
-gt,--generate-template         Generates test templates, default=false
-h,--help                       Shows help message, default=false
-i,--include <arg>             Directory that stores include files [works with -t], default=""
-ii,--ignored-instructions <arg> Instructions to be ignored [works with -gt], default=""
-in,--instance-number <arg>    Number of processing element instances [works with -g], default=1
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                                "
-jtpm,--jruby-thread-pool-max <arg> JRuby: maximum number of threads to allow in pool [works with
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                                default=false
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-of,--origin-format <arg>      Origin directive format [works with -g], default=".org 0x%x"
-off,--option-format <arg>     Option directive format [works with -g], default=".option %s"
-paf,--power2-align-format <arg> Power of 2 alignment directive format [works with -g],
                                default=".p2align %d"
-paff,--power2-align-format2 <arg> Power of 2 alignment directive format [works with -g],
                                default=".p2align %d, 0x%02x"
-pll,--program-length-limit <arg> Maximum program length [works with -g], default=1000
-rd,--reserve-dependencies     Enables automated reservation of registers that have dependencies
                                [works with -g], default=false
-re,--reserve-explicit         Enables marking all explicitly specified registers as used [works
                                with -g], default=false
-ri,--rev-id <arg>            Identifier of revision to be used, default=""
-rl,--rate-limit <arg>        Minimum generation rate [works with -g], default=0
-rs,--random-seed <arg>       Seed for randomizer [works with -g], default=0
-s,--solver <arg>            Constraint solver engine to be used, default="cvc4"
-sc,--self-checks             Enables inserting self-checks into test programs [works with -g],
                                default=false
-sd,--solver-debug            Enables debug mode for SMT solvers [works with -g], default=false
-se,--symbolic-execute       Performs symbolic execution, default=false
-st,--separator-token <arg>   Text used to create separators [works with -g], default=""
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-tl,--tracer-log              Enables generation of Tracer logs for simulation [works with -g],
                                default=false
-tll,--trace-length-limit <arg> Maximum execution trace length [works with -g], default=1000
-ts,--time-statistics         Enables printing time statistics [works with -g], default=false
-tsk,--text-section-keyword <arg> Text section directive [works with -g], default=".text"
-tt,--transform-trace        Transforms traces into templates, default=false
-v,--verbose                  Enables printing diagnostic messages, default=false
-wf,--weak-format <arg>       Weak directive format [works with -g], default=".weak %s"

```

Buildfile: /home/ssedai/projects/microtesk/build/distributions/microtesk-2.5.2-beta-SNAPSHOT/bin/build.xml

build:

```
[mkdir] Created dir: /home/ssedai/projects/microtesk/build/distributions/microtesk-2.5.2-beta-SNAPSHOT/gen/bin
```

BUILD FAILED

```
/home/ssedai/projects/microtesk/build/distributions/microtesk-2.5.2-beta-SNAPSHOT/bin/build.xml:47: srcdir "/home/ssedai/projects/microtesk/build/distributions/microtesk-2.5.2-beta-SNAPSHOT/gen/src/java" does not exist!
```

Total time: 0 seconds

**#4 - 02/27/2020 10:38 AM - Sergey Smolov**

- Assignee set to Alexander Kamkin