

cc0 Development Guide

September 3, 2013

This document provide the guidance for development of cc0.

1 Building cc0

Please refer to <http://baijia.info/showthread.php?tid=1342> for how to build and install cc0.

2 Correctness checking

After changing cc0, the first task may be to check whether your changed and compiled cc0 is correct.

First, make sure cc0 is in your PATH and you can directly invoke

```
$ cc0
```

Then, go to the cc0 git repository, and execute:

```
$ cd src/correctness
$ make test
```

If each line indicate “...[OK]” as follows, your compiled cc0 is correct.

```
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[Tue Jul 16 17:31:41 HKT 2013]
aborts-activating-depending-tasks.c [OK]
array.c [OK]
asm.c [OK]
break-continue.c [OK]
depending-tasks-across-spaces.c [OK]
double-array.c [OK]
double-division.c [OK]
i0.c [OK]
input_q.c [OK]
newr.c [OK]
null.c [OK]
null-runner.c [OK]
ppm-i.c [OK]
ppm-r.c [OK]
ppm-w.c [OK]
pralloc_writer_reader.c [OK]
runner-in.c [OK]
shalloc_auto_init.c [OK]
```

```
shalloc_writer_reader.c [OK]
sio.c [OK]
spawnx.c [OK]
stdio.c [OK]
usleep.c [OK]
watch-aborted-exit-code.c [OK]
watch-exit-code.c [OK]
watch-failed-to-commit-exit-code.c [OK]
write-exit-code.c [OK]
[Tue Jul 16 17:31:42 HKT 2013]
All test done.
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```