
Subject: Re: New Tiny C Compiler Package
Posted by [koldo](#) on Tue, 04 May 2010 07:24:20 GMT
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Didier wrote on Mon, 03 May 2010 22:28Hi Koldo,

why stdlib is included in a separate .a lib instead of being statically compiled with rest of tcc.

Before sending the previous post I made some tests myself, and the problem is not really dependent on the stdlib.

In the tcclib.c file L1031, the stdlib is requested ... but not only: An explicit link to /usr/local/lib/tcc/libtcc1.a is made.

==> If this file is not present on the system then an exception is thrown

==> So although everything needed was compiled and linked, the program refuse to execute. if you comment L1031 & L1032 everything works fine.

I don't know why this has been done, but for our particular usage it's not good.

Hello Didier

In last change sent yesterday I have added two patches:

- NoStdlib() function

```
void NoStdlib(TCCState *s) {  
    s->nostdlib = 1;  
}
```

This effectively avoids to try to load libtcc1.a, as in tcclib.c you can see this:

```
if (!s1->nostdlib) {  
    tcc_add_library(s1, "c");  
  
    snprintf(buf, sizeof(buf), "%s/%s", tcc_lib_path, "libtcc1.a");  
    tcc_add_file(s1, buf);  
}
```

- For linux, constructor is now Tcc::Tcc(const char *libPath).

libPath is assigned to tcc_lib_path. This way you can put libtcc1.a wherever you want, instead of in "/usr/local/lib/tcc".

For convenience it is included in Tcc/lib/lib a copy of libtcc1.a file.

You can try both options, or using NoStdlib(), or using libtcc1.a file indicating in constructor in what folder it is (you do not need to install tcc, you just need to indicate where libtcc1.a is)
