CSX Software Test Protocol

COLLABORATORS

	TITLE : CSX Software Test Protocol	

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Chapter 1

Getting Started With Autotools

1.1 Initial configure.ac

In the top level of your project, create the simplest `configure.ac`. This file will eventually be turned into our `configure` file by autoconf.

```
    AC_INIT([libabc], [1.0]) # BOILERPLATE BEGIN: name of lib and the version
    AC_OUTPUT   # BOILERPLATE END
```

Note: this is the simplest example. But it does nothing. We can transform it to a do nothing `configure` and test it:

```
    autoconf
    ./configure
```

1.2 Initial Makefile.in

Next, let's make our initial `Makefile.in`. Again, we'll make a useless, do nothing file at first so we can getting a clearer picture of all the pieces:

```
    package         = @PACKAGE_NAME@
    SOURCES         = $(wildcard src/*.c)
    srcdir          = @srcdir@
```

Now edit `configure.ac` and add the following:

```
    AC_CONFIG_FILES([Makefile]) # create top level Makefile from Makefile.in
```

Thus, our new configure.ac looks like this:

```
    AC_INIT([libmtd], [1.0]) # BOILERPLATE BEGIN: name of lib and the version
    AC_CONFIG_FILES([Makefile]) # create top level Makefile from Makefile.in
    AC_OUTPUT   # BOILERPLATE END
```

Chapter 2

Pkg-config

What of it?