GNU Autoconf, Automake, and Libtool 1-57870-190-2

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Misprint	Correction
 Page xx A momospaced (Courier) font is used for commands, command-line options, functios, and all code examples. 	• A monospaced (Mono) font is used for commands, command-line options, functios, and all code examples.
 Page xx Bold is used for the emphasis of terms, interactive shell log lines that are typed by the user, and function names. 	Bold is used for the emphasis of terms and function names.
Page 20 They represent the names of the target and the first dependency for the rule in which they appear.	They represent the names of the target and the first dependency for the rule in which they appear. \$@ is available in any rule, but for some version of make \$< is only available in suffix rules.
Page 20	@echo "\$@ depends on dummy"
Page 22 The source files used to build 'foonly' are the C source files 'main.c', 'foo.c', and 'foo.h';	The source files used to build 'foonly' are the C source files 'nly.c', 'main.c', 'foo.c', and 'foo.h';
<pre>Page 54 \$Xsed -e 's^. [^.]*/.\\$U&/g;s^. [^.]*\$/.\\$U&/' '</pre>	[\$Xsed -e 's/^.[^.]#/.\\$U&/g;s\^.[^.]*\$/.\\$U& /'']
Page 67-Missing paragraph after Autoconf macros Recall the use of bzero in the Memory Management subsection of section 7.2.1 is not entirely portable. The trick is to provide a bzero work-alike, depending on which funtions Autoconf detects. Add the following towards the end of configure.in: AC_CHECK_FUNCS (bzero memset, break) With the addition of this small snippet of code to common.h, I can now make use of bzero even when linking with a C library that has no implementation of its own: #if !HAVE_BZERO && HAVE_MEMSET #define bzero(buf, bytes) ((void) memset (buf, 0, bytes)) #endif	
Page 83-Terminology section made clearer The sheer number of uses of the word "library" in this book could be easily ver confusing. In this chapter and throughout the rest of the book, I will refer to various kinds of libraries as follows: <i>native</i> —Low level libraries, that is, libraries	

provided by the host architecture.	
Libtool. This encompasses both the shared and	
static native components of the implementation	
of the named library.	
<i>pseudo-library</i> —The level .la file porduced by	
Libtool. The "pseudo-library" is not a library in	
outside the Libtool interface	
Furthermore, in context of Libtool, there is	
another subtle (but important) distinction to be	
drawn:	
<i>static library</i> —A Libtool library which has no	
shared archive component.	
static archive—The static component of a Libtool	
library.	
Page II2	LTLIBOBJS='echo X"\$LIBOBJS" \ [\$Xsed -e "s \ [^]*]o
"s,\. [^.]* ,.lo, q;s,\.[^.]*\$,.lo,"	g;s,\.[^.]*\$,.lo,"] '
Page 112	LTALLOCA='echo X"\$ALLOCA" [\$Xsed -e "s,\.
LTALLOCA='echo X"\$ALLOCA" \$Xsed -e "s,\.	[^.]* ,.lo, g;s,\.[^.]*\$,.lo,"]'
Page 127	LTLIBOBJS= 'echo X"\$LIBOBJS" \$Xsed -e
LTALLOCA= 'echo X"\$ALLOCA" \$Xsed -e	"s,\.[^.]*\$,.lo"'
Page 134	Xsed="sed -e s/^X//":
LTLIBOBJS=echo X"\$LIBOBJS" \	LTLIBOBJS='echo X"\$LIBOBJS" \
sed s,^x,,;s,\.[^.]* ,.lo	[\$Xsed -e "s,\.[^.]* ,.lo
,g;s,\.[.]*\$,.10;' AC_SUBST(LTLIBOBJS)	,g;s,\.[.]^\$,.10,"]*
Page 143	echo Making \$@ in \$(docdir)
echo Making \$ in \$(docdir)	cd Ş(docdir) && make Ş@
Page 202	\$ gcc -fPIC -c simple-module.c
\$ gcc -fPIC -c simple-module.c	<pre>\$ gcc -shareed -o simple-module.so simple-</pre>
S gcc -shareed -o simple-module.so	š ls -d /usr/bin/* wc -l
\$ ls /usr/bin/* wc -1	sh: error: line too long
sh: error: line too long	for din
for dir	do
shell="\$dir/\$cmd"	shell="\$dir/\$cmd"
Page 276	Realistically, no one is going to have $ -x $, for
Realistically, no one is going to have '-x', for	example, as the first element of his 'PATH'
example, as the first element of his 'PATH'	variable, so the 'dummy' could be omitted—as I
variable, so the 'dummy' could be omitted—as I	did earlier in the script in Section 21.2.4.
did earlier in the script in Section 21.2.3.	
first paragraph.	
Note that the name of the cache variable must	
contain '_cv_' in order to be saved correctly.	
Page 290	You can find the macro archive at
You can find the macro archive at	<pre>http://www.gnu.org/software/ac-archive.</pre>
Page 316	If you don't use Libtool, you must manually call
If you don't use Libtool, you must manually call	the Autoconf macro, 'AC EXEEXT' in you
the Libtool macro, 'AC_EXEEXT' in you	'configure.in', to make sure that it is initialized
'configure.in', to make sure that it is initialized	correctly.
correctly	

This errata sheet is intended to provide updated technical information. Spelling and grammar misprints are updated during the reprint process, but are not listed on this errata sheet.