Working Cygwin VLC Compile Environment (WinXP/Win2K):

This document's purpose is to provide a working Cygwin environment under Windows (Win2K/WinXP).

```
*** Initial Setup ***
-- Install Cygwin.
    http://www.cygwin.com/setup.exe
```

When you run the Cygwin setup program there are options on components to install. For compiler items, make sure that you select all of the things starting "mingw", plus the "make" item. Do NOT select any C compilers other than the mingw ones. (when you select one of the mingw components, the Cygwin Setup app will automatically add one non-mingw C item -- that's OK, let it, just don't select any of them yourself).

Make sure that you select the two "gettext" items. Make sure to select "libiconv"

The Appendix shows the Cygwin installation that I use. It absolutely contains extra (not needed for VLC compilation) files, but does work.

Launch Cygwin. It will create a home directory for you. In my case it was c:\cygwin\home\mfm

Download:

http://download.videolan.org/pub/testing/win32/contrib-20040520-win32-bin-gcc3.3.1-only.tar.bz2 into your cygwin home directory.

```
In your Cygwin shell, enter:
tar xjvf contrib-20040520-win32-bin-gcc3.3.1-only.tar.bz2 -C /
```

NOTE: For maintenance purposes, periodically check http://download.videolan.org/pub/testing/win32/ to see if a new "contrib" package (date newer than 20040520) is called out. If it is, download the newer file and install it. Also, if you use Internet Explorer, check the filename after downloading - IE will tend to rename the file extension to .tar.tar - you need to change it back to .tar.bz2

Install the subversion tool, from:
http://subversion.tigris.org/servlets/ProjectDocumentList?folderID=91

Still in your Cygwin home directory, create a little batch file, get_svn.bat. It only needs one line:

```
c:\program files\subversion\bin\svn" co
svn://svn.videolan.org/vlc/trunk vlc-trunk
```

Put the above little batch file in your Cygwin home directory.

Create one other little file, in whatever text editor you like, containing:

```
./bootstrap && \
CPPFLAGS="-I/usr/win32/include -I/usr/win32/include/ebml" \
LDFLAGS=-L/usr/win32/lib \
CC="gcc -mno-cygwin" CXX="g++ -mno-cygwin" \
./configure \
    --disable-sdl --disable-gtk \
```

```
--enable-nls \
      --disable-skins \
      --disable-skins2 \
      --enable-ffmpeg --with-ffmpeg-mp3lame --with-ffmpeg-faac \
      --enable-faad \
      --enable-flac \
      --enable-theora \
      --with-wx-config-path=/usr/win32/bin \
      --with-freetype-config-path=/usr/win32/bin \
      --with-fribidi-config-path=/usr/win32/bin \
      --enable-livedotcom --with-livedotcom-tree=/usr/win32/live.com \
      --enable-caca --with-caca-config-path=/usr/win32/bin \
      --with-xml2-config-path=/usr/win32/bin \
      --disable-dvd \
      --disable-dvdnav \
      --disable-dvdplay \
      --disable-dvdread \
      --without-dvdread \
      --with-dvdnav-config-path=/usr/win32/bin \
      --disable-cddax --disable-vcdx \
      --enable-quicktime \
      --enable-optimizations \
      --enable-release
make
{Instead of the line "--enable-release", "--enable-debug" will generate
additional debugger information.}
Save the above little file -- I called mine "config_setup", in your home
directory.
The above gets to a basic compiling environment.
*** Day-to-Day Builds ***
run get_svn.bat (double click on it from a normal Windows Explorer window) --
For instance, in my environment, my home directory is c:\cygwin\home\mfm. I
```

this will do a pull of the current subversion trunk into your home directory, into the directory vlc-trunk.

have get_svn.bat located there. When I run get_svn.bat there is now a directory c:\cygwin\home\mfm\vlc-trunk.

(vlc-trunk will get over-written the next time you run the batch file. If you want to save a snapshot of the existing vlc-trunk, rename the "vlc-trunk" directory to something else.)

In your Cygwin bash shell: cd vlc-trunk

In your shell, run: ../config_setup

to have the little script run. (You don't have to run it as a script, it's just easier than cutting and pasting all the lines)

Go out and take a walk, play with your dog, whatever -- the above script does take time, even on a fast PC. Just let it run until it returns you to a bash shell prompt.

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If you're really bored, choose to sit and watch the compilation, expect to see warnings at various times. Unless you see an ERROR, and things stop, don't worry.

NOTE: If during the "make", it generates an error and stops when it is compiling the "po" directory, it is a gettext problem. Run the Cygwin Setup app to deinstall your libiconv and gettext (both of the gettext options), then select to do a reinstall from the Internet of those items, FROM A DIFFERENT MIRROR. I spent over a week with this problem, it turned out the Cygwin mirror I first used had "bad" files.

You should now have a working vlc.exe file. From an Explorer window in Windows, you should see vlc.exe in the vlc-trunk directory.

Copying the necessary executable files: You now have a compiled, working vlc.

To save off just the necessary executable and library files, into a unique directory:

At a Cygwin shell, in the vlc-trunk directory, type: make package-win32-base

will create a subdirectory named vlc-x.x.x with all the binaries 'stripped' (ie. without any debugging symbols).

or

make package-win32-zip
Same as above but will package the directory in a zip file.

Appendix - A Working Cygwin Environment

The following are snapshots of the Cygwin packages that I use, a fresh installation on 9 September 2004. Please note − these are not all available Cygwin packages, just the ones I use − if you install additional Devel packages you may get a build error.

+ Admin ③ Default

+ Admin 🂔 Default					
	1.0-1	⊕ Кеер	n/a	n/a	cygrunsry: NT/W2K service initiator
+ Base 🚱 Default					
	20040127-1	⊕ Кеер	n/a	nja	ash: A Bourne Shell (/bin/sh) workalike
	3.0-3	⊕ Keep	n/a	n/a	base-files: A set of important system configuration and setup files
	2.0-1	⊕ Кеер	n/a	n/a	base-passwd
	2.05b-16	⋰ Keep	n/a	n/a	bash: The GNU Bourne Again SHell
	1.5.11-1	∢ Keep	n/a	n/a	cygwin: The UNIX emulation engine
	2.8.7-1	⊕ Keep	n/a	n/a	diffutils: A GNU collection of diff utilities
	1.01-1	⊕ Keep	n/a	n/a	editrights: Alter user rights and privileges
	4.1-2	⊕ Keep	n/a	n/a	fileutils: GNU file management utilities
	4.1.7-4	∢ Keep	n/a	nja	findutils: Utilities for finding filesfind, xargs, and locate
	3.1.4-3	⊕ Keep	n/a	nja	gawk: GNU awk, a pattern scanning and processing language
	1.8.3-7	∢ Keep	n/a	nja	gdbm: GNU dbm database routines (utilities)
	2.5-1	∢ Keep	n/a	n/a	grep: Search and print textual input for lines which match a specified pat
	1.3.5-1	∢ Keep	n/a	n/a	gzip: The GNU compression utility
	1.8.0-5	∢ Keep	n/a	n/a	libgdbm: GNU dbm database routines (runtime)
	1.8.3-7	⊕ Кеер	n/a	n/a	libgdbm-devel: GNU dbm database routines (development)
	1.8.3-3	⊕ Кеер	n/a	n/a	libgdbm3: GNU dbm database routines (runtime)
	1.8.3-7	⊕ Кеер	n/a	n/a	libgdbm4: GNU dbm database routines (runtime)
	5.2-1	⊕ Keep	n/a	n/a	libncurses5: Compatibility libraries for terminal handling (runtime)
	5.2-8	⊕ Кеер	n/a	n/a	libnourses6: Current libraries for terminal handling (runtime)
	5.3-4	⊕ Кеер	n/a	n/a	libncurses7: Libraries for terminal handling (runtime)
	4.1-2	⊕ Keep	n/a	n/a	libreadline4: GNU readline and history libraries (runtime)
	4.3-5	∢ Keep	n/a	n/a	libreadline5: GNU readline and history libraries (runtime)
	1.9-7	⊕ Кеер	n/a	n/a	login: Sign on to a system
	1.5k-3	⊕ Кеер	n/a	n/a	man: Man, apropos and whatis
	5.3-4	∢ Keep	n/a	n/a	ncurses: Libraries for terminal handling (main package)
	4.3-5	∢ Keep	n/a	n/a	readline: GNU readline and history libraries
	4.1.2-1	⊕ Кеер	n/a	n/a	sed: The GNU sed stream editor
	2.0.15-4	⊕ Keep	n/a	nja	sh-utils: A set of GNU utilities commonly used in shell scripts
	1.13.25-5	∢ Keep	n/a	nja	tar: A GNU file archiving program
	20021106-2	∢ Keep	n/a	nja	termcap: Compatibility package for old termcap-based programs
	5.3_20030726-1	⊕ Keep	n/a	nja	terminfo: Database for nourses-style terminal handling
	2.0.21-1	⋰ Keep	n/a	nja	textutils: The GNU text file processing utilities
	1.5-2	∢ Keep	n/a	nja	which: Displays where a particular program in your path is located
	1.2.1-1	⊕ Keep	n/a	nja	zlib: The zlib compression and decompression library
+ Database 🚱 Default					
	4.2.52-1	⊕ Keep	n/a	n/a	libdb4.2: The Sleepycat Berkeley DB Library v4.1 - runtime
+ Devel 🚱 Default					
	2.59-1	⊕ Кеер	n/a	n/a	autoconf: Wrapper scripts for autoconf-devel and autoconf-stable
	2.59-1	⊕ Keep	n/a	n/a	autoconf-devel: Development version of the automatic configure script b
	2.13-5	⋰ Keep	n/a	n/a	autoconf-stable: Stable version of the automatic configure script builder

	1.7.9-1	∳ Keep	n/a	n/a	automake: Wrapper scripts for automake-devel and automake-stable
	1.8.5-1	⊕ Keep	n/a	n/a	automake-devel: Development version of a tool for generating GNU-co
	1.4p6-2	🚱 Кеер	n/a	n/a	automake-stable: Stable version of a tool for generating GNU-complian
	20040725-2	∳ Keep	n/a	n/a	binutils: The GNU assembler, linker and binary utilities
	0.8.4-1	∳ Keep	n/a	n/a	check: A unit test framework for C
	1.9.14-1	⊕ Кеер	n/a	n/a	cppunit: A C++ unit testing framework. It started its life as a port of JUni
	5.5-4	⊕ Кеер	n/a	n/a	ctags: A C programming language indexing and/or cross-reference tool
	1.11.6-3	⊕ Кеер	n/a	n/a	cvs: Concurrent Version System
	1.2.18-1	⊕ Кеер	n/a	n/a	doxygen: A documentation system for C++, C, Java, IDL (Corba, Micros
	1.10.4-2	⊕ Кеер	n/a	n/a	dpkg: A package management system.
	1.95.7-1	⊕ Кеер	n/a	n/a	expat: XML parser library written in C
	3.3.3-3	⊕ Кеер	n/a	n/a	gcc: C compiler upgrade helper
	3.3.3-3	⊕ Кеер	n/a	n/a	gcc-core: C compiler
	3.3.3-3	⊕ Кеер	n/a	n/a	gcc-g++: C++ compiler
	20040810-1	⊕ Кеер	n/a	n/a	gcc-mingw: Mingw32 support headers and libraries for GCC
	20040810-1	⊕ Кеер	n/a	n/a	gcc-mingw-core: Mingw32 support headers and libraries for GCC
	20040810-1	⊕ Keep	n/a	n/a	gcc-mingw-g++: Mingw32 support headers and libraries for GCC C++
	0.14.1-1	⊕ Кеер	n/a	n/a	gettext: GNU Internationalization library and core utilities (PLUS LINK L
	0.14.1-1	€ Кеер	n/a	n/a	gettext-devel: GNU Internationalization development utilities (but NOT
	1.33.1-1	€ Кеер	n/a	n/a	help2man: Creates man pages from program output
	0.8.3-2	€ Кеер	n/a	n/a	libIDL: CORBA Interface Definition Language file library
	2.1.6-1	⊕ Кеер	n/a	n/a	libXft-devel: Provides a client-side font API for X applications. (develop
	2.2.2-1	⊕ Кеер	n/a	n/a	libfontconfig-devel: Font configuration and customization library. (devel
	2.1.5-1	⊕ Кеер	n/a	n/a	libfreetype2-devel: A Free, High-Quality, and Portable Font Engine. (de
	1.9.2-1	⊕ Кеер	n/a	n/a	libicony: GNU character set conversion library and utilities'
	2.6.11-1	⊕ Кеер	n/a	n/a	libxml2: The XML C parser and toolkit.
	3.80-1	⊕ Кеер	n/a	n/a	make: The GNU version of the 'make' utility
	3.5-1	⊕ Кеер	n/a	n/a	mingw-runtime: MinGW Runtime
	1.5-3	⊕ Кеер	n/a	n/a	mktemp: Allows safe temp file/dir creation from shell scripts
	4.5-1	⊕ Кеер	n/a	n/a	pcre: Perl-Compatible Regular Expressions programs
	0.15.0-4	⊕ Кеер	n/a	n/a	pkgconfig: A utility used to retrieve information about installed libraries
+ Doc 🚱 Default					
	1.95.7-1	€ Кеер	n/a	n/a	expat: XML parser library written in C
	2.6.11-1	€ Кеер	n/a	n/a	libxml2: The XML C parser and toolkit.
	1.5k-3	€ Keep	n/a	n/a	man: Man, apropos and whatis
	4.5-1	⊕ Keep	n/a	n/a	pcre-doc: Documentation for Perl-Compatible Regular Expressions
	4.2-4	€ Кеер	n/a	n/a	texinfo: Documentation system for on-line information and printed output
+ Games 🚱 Default					
+ Graphics 🚱 Defaul	t				
. 0	2.2.0-1	⊕ Кеер	n/a	n/a	freeglut: OpenSourced alternative to the OpenGL Utility Toolkit (GLUT
	1.701.0-1	⊕ Keep	n/a	n/a	jasper: JPEG-2000 Library
	1.5-3	⊕ Keep	n/a	n/a	jbigkit: Lossless image compression library
		○ P	¥		13

	1.13-1	⊕ Кеер	n/a	n/a	lcms: A small-footprint, speed optimized color management engine
	1.2.0.9-1	⊕ Кеер	n/a	n/a	libfpx: Flashpix OpenSource Toolkit
	6b-11	⊕ Кеер	n/a	n/a	libjpeg62: A library for manipulating JPEG image format files (runtime)
	6b-8	⊕ Keep	n/a	n/a	libjpeg6b: A library for manipulating JPEG image format files (runtime)
	1.2.5-4	⊕ Кеер	n/a	n/a	libpng12: PNG library - 1.2.x runtime
	1.2.5-4	€ Кеер	n/a	n/a	libpng12-devel: PNG library - 1.2.x development libraries and headers
	3.6.0-5	€ Кеер	n/a	n/a	libtiff-devel: A library for manipulating TIFF format image files (devel)
	3.6.0-2	⊕ Кеер	n/a	n/a	libtiff3: A library for manipulating TIFF format image files (runtime)
	3.6.0-5	⊕ Кеер	n/a	n/a	libtiff4: A library for manipulating TIFF format image files (runtime)
+ Interpreters 🚱 Defaul	t				
	1.95.7-1	⊕ Keep	n/a	n/a	expat: XML parser library written in C
	20030128-1	⊕ Keep	n/a	n/a	expect: A program that 'talks' to other programs
	3.1.4-3	⊕ Keep	n/a	n/a	gawk: GNU awk, a pattern scanning and processing language
	1.6.4-12	⊕ Keep	n/a	n/a	guile: The GNU extension language and Scheme interpreter (execut-
	2.6.11-1	⊕ Keep	n/a	n/a	libxml2: The XML C parser and toolkit.
	1.4-1	∢ Keep	n/a	n/a	m4: A macro processing language
	5.8.5-3	⊕ Keep	n/a	n/a	perl: Larry Wall's Practical Extracting and Report Language
+ Libs 🚱 Default					
	2.10.3-1	⊕ Keep	n/a	n/a	ORBit2: CORBA 2.4 Object Request Broker library (executables, run)
	1.9.14-1	⊕ Keep	n/a	n/a	cppunit: A C++ unit testing framework. It started its life as a port of JL
	1.1-1	⊕ Keep	n/a	n/a	crypt: Encryption/Decryption utility and library
	7.11.1-1	⊕ Keep	n/a	n/a	curl: A client that groks URLs
	1.95.7-1	∢ Keep	n/a	n/a	expat: XML parser library written in C
	2.2.2-1	⊕ Кеер	n/a	n/a	fontconfig: Font configuration and customization library. (main packa
	2.2.0-1	∢ Keep	n/a	n/a	freeglut: OpenSourced alternative to the OpenGL Utility Toolkit (GLU
	2.1.5-1	⊕ Keep	n/a	n/a	freetype2: A Free, High-Quality, and Portable Font Engine. (main pac
	0.14.1-1	⊕ Keep	n/a	n/a	gettext: GNU Internationalization library and core utilities (PLUS LINK
	2.4.5-1	⊕ Keep	n/a	n/a	glib2: Low-level core library - runtime libraries and executables
	2.4.5-1	∢ Keep	n/a	n/a	glib2-devel: Headers and import libraries for glib
	2.4.5-1	∢ Keep	n/a	n/a	glib2-runtime: Low-level core library - runtime libraries and executable
	1.701.0-1	⊕ Keep	n/a	n/a	jasper: JPEG-2000 Library
	1.5-3	∢ Keep	n/a	n/a	jbigkit: Lossless image compression library
	6b-11	⊕ Кеер	n/a	n/a	jpeg: A library for manipulating JPEG image format files
	1.13-1	∢ Keep	n/a	n/a	lcms: A small-footprint, speed optimized color management engine
	1.0.6-1	∢ Keep	n/a	n/a	libGraphicsMagick0: GraphicsMagick. (runtime)
	0.8.3-2	∢ Keep	n/a	n/a	libIDL: CORBA Interface Definition Language file library
	6.0.4-1	⊕ Keep	nja	n/a	libMagick6: ImageMagick. (runtime)
	2.1.6-1	⊕ Keep	nja	n/a	libXft: Provides a client-side font API for X applications. (main packag
	2.1.6-1	⊕ Keep	nja	n/a	libXft-devel: Provides a client-side font API for X applications. (develo
	1.0.0-1	⊕ Keep	nja	n/a	libXft1: Provides a client-side font API for X applications. (runtime)
	2.1.6-1	⊕ Keep	nja	n/a	libXft2: Provides a client-side font API for X applications. (runtime)
	0.9.5pre20040608-1	⊕ Keep	nja	n/a	libapr0: The Apache Portable Runtime (runtime package)
	0.9.5pre20040608-1	∢ Keep	n/a	n/a	libaprutil0: Additional utility library for use with the Apache Portable Ri

1.0.2-5	⋰ Keep	n/a	n/a	libbz2_1: Shared libraries for bzip2 (runtime)
1.9.2-1	⊕ Keep	n/a	n/a	libcharset1: GNU character set conversion library and utilities - runtim
2.2.2-1	⊕ Keep	n/a	n/a	libfontconfig-devel: Font configuration and customization library. (dev
2.2.2-1	⊕ Кеер	n/a	n/a	libfontconfig1: Font configuration and customization library. (runtime)
1.2.0.9-1	⊕ Кеер	n/a	n/a	libfpx: Flashpix OpenSource Toolkit
2.1.5-1	⊕ Keep	n/a	n/a	libfreetype2-devel: A Free, High-Quality, and Portable Font Engine. (c
2.1.5-1	⊕ Кеер	n/a	n/a	libfreetype26: A Free, High-Quality, and Portable Font Engine. (runtim
0.14.1-1	⊕ Keep	n/a	n/a	libgettextpo0: GNU Internationalization runtime library (2)
1.6.4-12	⊕ Keep	n/a	n/a	libguile12: The GNU extension language and Scheme interpreter (rur
1.6.4-2	⊕ Keep	n/a	n/a	libguile12abi13: The GNU extension language and Scheme interpret
1.9.2-1	⊕ Keep	n/a	n/a	libicony: GNU character set conversion library and utilities'
1.9.2-1	⊕ Keep	n/a	n/a	libiconv2: GNU character set conversion library and utilities - runtime
0.10.38-3	⊕ Кеер	n/a	n/a	libintl: GNU Internationalization runtime library
0.10.40-1	⊕ Keep	n/a	n/a	libintf1: GNU Internationalization runtime library
0.12.1-3	⊕ Кеер	n/a	n/a	libintl2: GNU Internationalization runtime library
0.14.1-1	∳ Keep	n/a	n/a	libintl3: GNU Internationalization runtime library
6Ь-11	⊕ Кеер	n/a	n/a	libjpeg62: A library for manipulating JPEG image format files (runtime)
6Ь-8	⊕ Кеер	n/a	n/a	libjpeg6b: A library for manipulating JPEG image format files (runtime)
2.0.2-13	⊕ Кеер	n/a	n/a	libkpathsea3: The TeX text formatting system (runtime libraries).
2.0.2-2	⊕ Кеер	n/a	n/a	libkpathsea3abi13: The TeX text formatting system (runtime libraries).
1.5.6-3	⊕ Кеер	n/a	n/a	libltdl3: Libtool's dynamic loader (runtime)
5.2-1	⊕ Кеер	n/a	n/a	libnourses5: Compatibility libraries for terminal handling (runtime)
5.2-8	⊕ Keep	n/a	n/a	libnourses6: Current libraries for terminal handling (runtime)
5.3-4	⊕ Keep	n/a	n/a	libncurses7: Libraries for terminal handling (runtime)
0.24.7-1	⊕ Keep	n/a	n/a	libneon24: Runtime library component of Neon - an HTTP and WebE
4.1-1	⊕ Keep	n/a	n/a	libpore: Perl-Compatible Regular Expressions library - pre-libtool versio
4.5-1	⊕ Keep	n/a	n/a	libpcre0: Perl-Compatible Regular Expressions library
1.2.5-4	⊕ Keep	n/a	n/a	libpng12: PNG library - 1.2.x runtime
1.2.5-4	⊕ Кеер	n/a	n/a	libpng12-devel: PNG library - 1.2.x development libraries and headers
1.6.4-4	∢ Keep	n/a	n/a	libpopt0: Library for parsing cmdline parameters - runtime
3.6.0-5	⊕ Keep	n/a	n/a	libtiff-devel: A library for manipulating TIFF format image files (devel)
3.6.0-2	∢ Keep	n/a	n/a	libtiff3: A library for manipulating TIFF format image files (runtime)
3.6.0-5	⊕ Keep	n/a	n/a	libtiff4: A library for manipulating TIFF format image files (runtime)
2.6.11-1	∢ Keep	n/a	n/a	libxml2: The XML C parser and toolkit.
3.5-1	⊕ Keep	n/a	n/a	mingw-runtime: MinGW Runtime
5.3-4	⊕ Keep	n/a	n/a	ncurses: Libraries for terminal handling (main package)
0.9.7d-1	⊕ Keep	n/a	n/a	openssl: The OpenSSL runtime environment
1.6.4-4	⊕ Keep	n/a	n/a	popt: Library for parsing cmdline parameters - docs and development
20030901-1	⊕ Keep	n/a	n/a	toltk: TCL/Tk libraries
20021106-2	⊕ Keep	n/a	n/a	termcap: Compatibility package for old termcap-based programs
3.1-1	⊕ Keep	n/a	n/a	w32api: Win32 API header and library import files
1.2.1-1	⋰ Keep	n/a	nja	zlib: The zlib compression and decompression library

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+ Mail 🚱 Default					
· Mail & Boldak	2002e-3	⊕ Кеер	n/a	n/a	uw-imap: UW IMAP Toolkit
+ Mingw 🚱 Default		O.1.33p	.,	.,	
	1.2.1-1	€ Кеер	n/a	n/a	mingw-zlib: (mingw version) of the zlib compression and deco
+ Net 🚱 Default		O			
	0.9.7d-1	⊕ Кеер	n/a	n/a	openssl: The OpenSSL runtime environment
+ Publishing 🚱 Default		O.1.33p	.,		operior. The operior Listing Strings and
- Cabiaring - Caracin	2.0.2-13	⊕ Кеер	n/a	n/a	libkpathsea3: The TeX text formatting system (runtime librarie
	2.0.2-2	⊕ Keep	n/a	n/a	libkpathsea3abi13: The TeX text formatting system (runtime
+ Shells 🚱 Default	2.0.2 2	Фоор	.4	.4	meriparitosasabito. Tito ta trainitorinaring system (rainimo
0110110 0 0 0101111	20040127-1	€ Keep	n/a	n/a	ash: A Bourne Shell (/bin/sh) workalike
	2.05Ь-16	⊕ Keep	n/a	n/a	bash: The GNU Bourne Again SHell
	2.0.15-4	⊕ Keep	n/a	n/a	sh-utils: A set of GNU utilities commonly used in shell scripts
+ System 🚱 Default	2.0.10	Фоор	.4	.4	or and the district of article district of the
	1.5k-3	€ Keep	n/a	n/a	man: Man, apropos and whatis
+ Text 🚱 Default		O			
	1.95.7-1	⊕ Кеер	n/a	n/a	expat: XML parser library written in C
	1.18.1-2	⊕ Кеер	n/a	n/a	groff: GNU troff text-formatting system
	381-1	€ Keep	n/a	n/a	less: A file pager program, similar to more(1)
	2.0.2-13	€ Keep	n/a	n/a	libkpathsea3: The TeX text formatting system (runtime librario
	2.0.2-2	⊕ Keep	n/a	n/a	libkpathsea3abi13: The TeX text formatting system (runtime
	2.6.11-1	€ Keep	n/a	n/a	libxml2: The XML C parser and toolkit.
	4.2-4	€ Keep	n/a	n/a	texinfo: Documentation system for on-line information and pri
+ Utils 🚱 Default			·	·	,
,	1.0.2-5	⊕ Keep	n/a	n/a	bzip2: A high-quality block-sorting file compressor - utilities
	1.2.5-1	⊕ Keep	n/a	n/a	cygutils: A collection of simple utilities
	4.10-1	€ Keep	n/a	n/a	file: Determines file type using 'magic' numbers
	2.5.8-8	€ Keep	n/a	n/a	patch: Apply a diff file to an original
	4.5-1	⊕ Кеер	n/a	n/a	pcre: Perl-Compatible Regular Expressions programs
+ Web 🚱 Default					
Ū	7.11.1-1	€ Кеер	n/a	n/a	curl: A client that groks URLs
+X11 ♦ Default		0			2
•	0.93.94-2	⊕ Кеер	n/a	n/a	lesstif: Lesstif
	6.8.0.0-1	€ Keep	n/a	n/a	xorg-x11-base: Cygwin/X base
	6.8.0.0-1	⊕ Keep	n/a	n/a	xorg-x11-bin: Cygwin/X bin
	6.8.0.0-1	⊕ Кеер	n/a	n/a	xorg-x11-bin-dlls: Cygwin/X bin dlls
	6.8.0.0-1	⊕ Keep	n/a	n/a	xorg-x11-bin-Indir: Cygwin/X bin
	6.8.0.0-1	⊕ Кеер	n/a	n/a	xorg-x11-devel: Cygwin/X headers and import libraries
	6.8.0.0-1	⊕ Keep	n/a	n/a	xorg-x11-etc: Cygwin/X etc
	6.8.0.0-1	⊕ Кеер	n/a	n/a	xorg-x11-fenc: Cygwin/X font encodings
	6.8.0.0-1	⊕ Кеер	n/a	n/a	xorg-x11-fnts: Cygwin/X 75 dpi, misc, and util fonts
	6.8.0.0-1	⊕ Keep	n/a	n/a	xorg-x11-libs-data: Cygwin/X shared files
	6.8.0.0-1	⊕ Keep	n/a	n/a	xorg-x11-xwin: Cygwin/XX server
+_PostInstallLast 🚱 De		- •			
-	00227-1	⊕ Кеер	n/a	n/a	_update-info-dir: Generate info/dir file automatically