

NAME

wcd - Wherever Change Directory
chdir for DOS and Unix

SYNOPSIS

wcd [-a[a]] [-A <path>] [-b] [-c] [-d <drive>] [-e[e]] [-E <path>]
[-f <treefile>] [-g[a|d]] [-G <path>] [-h] [-i] [-j] [-k] [-l <alias>]
[-[m|M] <dir>] [-n <path>] [-N] [-o[d]] [-q] [-[r|rmtree] <dir>] [-s]
[-S <path>] [-t] [-u <user>] [-v] [-V] [-w] [-x <path>] [-xf <file>]
[-z #] [-[#]] [+[#]] [=] [drive:][dir]

DESCRIPTION

Wcd. Directory changer for DOS and Unix. Another Norton Change Directory (NCD) clone with more features.

Wcd is a program to change directory fast. It saves time typing at the keyboard. One needs to type only a part of a directory name and wcd will jump to it. Wcd has a fast selection method in case of multiple matches and allows aliasing and banning of directories. Wcd also includes a full-screen interactive directory browser with speed search.

By default (if no wildcards are used) wcd searches for a directory with a name that begins with the typed name.

For instance:

```
wcd Desk
```

will change to directory /home/waterlan/Desktop

When there are multiple matches, wcd will present the user a list of all matches. The user can then make a selection with a few keystrokes (most of the times only one).

Wcd fully supports wildcards, i.e. *, ? and [SET].

`*' matches any sequence of characters (zero or more)

`?' matches any character

[SET] matches any character in the specified set,

[!SET] or [^SET] matches any character not in the specified set.

A set is composed of characters or ranges; a range looks like ``character hyphen character" (as in 0-9 or A-Z). [0-9a-zA-Z_] is the minimal set of characters allowed in the [...] pattern construct. Other characters are allowed (i.e. 8 bit characters) if your system will support them. To suppress the special syntactic significance of any of `[]*?!^-\", inside or outside a [...] construct and match the character exactly, precede it with a ``\" (backslash).

Using wildcards makes powerful searching possible. For instance:

```
wcd *top
```

match any directory name that ends with "top".

```
wcd *top*
```

match any directory that has "top" in the name.

```
wcd [a-c]*
```

match any directory name that begins with "a", "b" or "c".

It is also possible to give a part of a directory path. E.g.:

```
wcd me/Desk
```

wcd searches for directory that begins with "Desk" and which path matches `*me/Desk*`

It is allowed to type any kind of expression with slashes and wildcards. E.g.:

```
wcd src*/*1?/a*2
```

If no wildcards are used and wcd finds a perfect match, wcd will ignore all wild matches by default. This behaviour can be changed with the `-w` option.

The interactive directory browser can be started by using option `-g`.

```
wcd -g
```

See option `-g` for more information.

Wcd generates a treedata file where it searches the directory. On Unix systems wcd does add *links* to the treedata files while scanning the disk, but does not follow them. While following links wcd could end up scanning infinite loops, or scan very large portions of a network.

Wcd can also change to directories that are not in the treedata file. E.g.:

```
wcd ..
```

If wcd found a match but cannot change to the directory it tries to remove it from the default treedata file. *Not from the extra treedata file.* See also option `-k`.

Wcd keeps a directory stack which is stored on disk. The stack has a default size of 10 and is cyclic. See options `-z`, `-`, `+` and `=`.

In multi-user environments a very handy option `-u` can be used to change to directories of other users. See option `-u`.

On DOS and Windows systems it does not matter if you use a slash (/) or a backslash (\) as directory-separator.

It is possible on DOS and Windows systems to change drive and directory in one go by preceding the directory name with the drive name.

```
wcd d:games
```

The Windows versions (console, PowerShell, MSYS, zsh, cygwin) support Windows SMB LAN UNC paths without drive letter such as `\\servername\sharename`. Wcd for windows console makes use of the 'pushd' command to automatically map a UNC path to a drive letter. In windows PowerShell, MSYS, zsh and Cygwin UNC paths are fully supported. The current working directory can be a UNC path.

Wcd supports 8 bit character sets on all systems, and has optional support for Unicode. See also section LOCALIZATION/UTF-8 and UNICODE.

Remark about 8 bit characters on Windows: Only the original equipment manufacturer (OEM) code page installed with Windows appears correctly in a command prompt window that uses Raster fonts. Other code pages appear correctly in full-screen mode or command prompt windows that use TrueType fonts.

OPTIONS

-A <path>

Scan directory tree from <path> and *append* to the default treedata file.

Examples:

wcd -A .

wcd -A d: -A e: -A \\server\share

wcd -A /home -A /etc

On Windows one can scan all shared directories of a Windows LAN server by typing something like: wcd -A \\servername.

See also option -S and -s and -E.

-a Add current path to default treedata file.

Use this option to quickly add the current path to the default treedata file. Re-scanning the complete disk can take a long time in some cases.

-aa Add current and all parent paths to default treedata.

-b Ban current path.

Wcd places the current path in the ban file. This means that wcd ignores all matches of this directory and its sub directories.

The ban file can be edited with a text editor. Use of wildcards are supported and it is matched against absolute path.

Banned paths are not excluded from scanning the disk. To do that use option -xf.

-c direct CD mode

By default *wcd* works as follows:

1. Try to find a match in the treedata file(s)
2. If no match, try to open the directory you typed.

In direct CD mode *wcd* works in reversed order.

1. Try to open the directory you typed.
2. If not, try to find a match in the treedata file(s).

-d <drive>

Set drive for stack and go file (DOS only).

The stack file and the go-script are by default stored on drive c: if environment variable HOME is not set. Use this option if drive C: is a read-only drive. This option must be used in front of the stack options -, + and =.

-E <path>

Scan directory tree from <path> and append to Extra treedata file.

See also options -A and -S.

- e** Add current path to extra treedata file.

Use this option to quickly add the current path to the extra treedata file.
- ee** Add current and all parent paths to extra treedata file.
- f <filename>**
Read treedata file <filename>. Don't read the default treedata file.
- +f <filename>**
Read treedata file <filename> in addition to the default treedata file.
- G <path>**
Set directory path of go-script.
- GN** Don't create go-script.

This option can be used in combination with the option *-j* if one doesn't want wcd to create a go-script.
- g** Graphical interface (only in version with curses interface).

Wcd starts a textual curses based 'graphical' interface. The user can select a directory via a full-screen interactive directory browser. It has a Vi(m) like navigation and search method.

If no search string is given wcd presents the whole tree which is in the default treedata file and the extra treedata files.

If a search string is given the match list is presented as a graphical tree.
- ga** Graphical interface with alternative way of navigating. With this option one can't jump to unrelated directories.
- gd** Dump the treedata files as a tree to stdout.
- i** Ignore case. Dos and Windows versions of *wcd* ignore case by default. Unix versions regard case by default.
- +i** Regard case. See also option *-i*.
- j** just go mode

In this mode wcd will not present a list when there is more than one directory that matches the given directory. Wcd will just change to the first option. When wcd is invoked again with the same arguments it will change to the next option, and so on.

Wcd will print the directory to go to to stdout. So a different installation method can be used. One could make the following function for bash or ksh:

```
function wcd()
{
  cd "$HOME/bin/wcd.exe -j $*"
}
```

On windows systems, if one is running 4NT shell, one could make the following alias:

```
alias wcd `cd % @execstr[wcdwin32.exe -z 0 -j % 1]`
```

This method eliminates the need of the go-script, so one can use option *-GN* in combination with *-j*.

-h, --help

Print help and exit.

-K

Colors.

Use colors in graphical mode.

-k

Keep paths.

Keep paths in treedata when wcd cannot change to them. The default behaviour of wcd is that it tries to remove paths from the treedata when wcd cannot change to them. With this option this behaviour is turned off.

-l <alias>

alias current path.

Wcd places the current path with alias <alias> in the alias file. Aliases are case sensitive.

-M <dir>

Make directory and add to extra treedata file.

-m <dir>

Make directory and add to treedata file.

-N

Use numbers instead of letters.

Wcd with a conio or curses based interface (see section INTERFACE) presents a match list default numbered with letters. When the *-N* option is used the match list is numbered with numbers. Regardless of the *-N* option one can type a letter or numbers to make a selection from the list of matches.

-n <path>

Read relative treedata file (Unix: <path>/rtdata.wcd, DOS: <path>\rtdata.wcd), do not read the default treedata file. If <path> is a file, wcd will add <path> instead of <path>/rtdata.wcd or <path>\rtdata.wcd. See also option +S.

Example:

suppose another system has been NFS mounted to mount point /mnt/network

```
wcd -n /mnt/network src
```

Wcd now opens file /mnt/network/rtdata.wcd The file contains the paths relative from that point.

The relative treedata file should already have been created using the wcd +S option.

+n <path>

Read relative treedata file in addition to the default treedata file. See option -n.

-o Use stdin/stdout interface.

When for some kind of reason the conio or curses interface of wcd doesn't work one can fall back to the stdin/stdout interface of wcd by using the -o option.

-od Dump all matches to stdout.**-q** Quieter operation.

Printing of the final match is suppressed.

-r <dir>

Remove directory and remove from treedata file.

If the directory is empty, *wcd* will remove it, and try to remove it from the treedata file.

-rmtree <dir>

Recursively remove directory and remove from treedata file.

Wcd will remove the directory and all its sub directories and files, and remove the directories from the treedata file.

-S <path>

Scan directory tree from <path> and *overwrite* the default treedata file.

Examples:

wcd -S c:/

wcd -S /

See also options -A, -s and -E. Together with option -A you can create a default treedata file of your choice.

wcd -S c: -A d: -A \\server\share

wcd -S /home -A /etc -A /usr

With the Windows versions one can scan all shared directories of a Windows LAN server by typing something like: wcd -S \\servername.

+S <path>

Scan disk from a certain path. Make *relative* treedata file.

Scan disk from path <path> and place relative paths in a relative treedata file. This file is used by the -n and +n options of wcd. E.g. wcd -n <path> src

-s (re)Scan disk from your \$HOME directory.

This is the default scanning mode. *Wcd* for DOS or Windows scans the current disk from root \ or from %HOME% if HOME is set. The existing default treedata file is overwritten.

-t Do not strip tmp mount dir /tmp_mnt (Unix only)

Wcd strips by default /tmp_mnt/ from the match. Directory /tmp_mnt is used by the automounter. This behaviour can be turned off with the -t option.

-u <username>

Read default treedata file of user <username>, do not read your own default treedata file.

Wcd now scans the treedata file of another *user*. On Unix the base directory for user home directories is assumed to be */home*, so wcd tries to scan */home/<username>/treedata.wcd*. On DOS/Windows the base directory for user home directories is assumed to be *\\users*, so wcd tries to scan *\\users\<username>\treedata.wcd*.

One can define a different base directory with environment variable WCDUSERSHOME. See section ENVIRONMENT.

+u <username>

Read default treedata file of user <username> in addition to your own treedata file.

-V, --version

Print version information and exit.

-v, --verbose

verbose operation.

With this option *wcd* prints all filters, bans and excludes.

-w Wild matching only.

Treat all matches as wild matches.

-x <path>

Exclude <path> from scanning.

When this option is used wcd will exclude <path> and all its subdirectories when wcd is scanning a disk. Wildcards are supported and matched against absolute paths. Option -x can be used multiple times.

```
wcd -x <path1> -x <path2> -s
```

Option -x must be used in front of any scan option (-s, -S, +S, -A, -E).

On DOS/Windows systems one must specify the drive letter depending on if environment variable HOME or WCDHOME is set. If HOME or WCDHOME is set one needs to specify the drive letter. Example:

```
wcd -x c:/temp -S c:
```

Otherwise don't specify drive letter.

```
wcd -x /temp -s
```

-xf <file>

Exclude all paths listed in <file> from scanning.

When this option is used wcd will exclude all paths listed in <file> and all their subdirectories when wcd is scanning a disk. Wildcards are supported and they are matched against absolute paths; one path per line. Be aware that wcd will not ignore leading or trailing blanks on a line, because they are legal characters in a directory name. Option -xf can be used multiple times. When one wants to exclude all banned paths from scanning one can do the following (example for wcd on unix):

```
wcd -xf ~/.ban.wcd -s
```

Wildcards are supported. For instance to exclude all your CVS directories with cvs administrative files add a line with:

```
*/CVS
```

Option -xf must be used in front of any scan option (-s, -S, +S, -A, -E).

-z #

Set maximum stack size.

The default size of the stack is 10. Stack operation can be turned off by setting the size to 0. This option must be used in front of any other stack option (-,+,=). Otherwise the size of the stack will be set back to the default 10. A correct command is:

```
wcd -z 50 -
```

The new stack size will be 50, wcd will go one directory back. A wrong command is:

```
wcd - -z 50
```

Wcd goes one directory back, the stack gets the default size 10. '-z 50' is ignored.

Add this option as the first option to your wcd alias or function. E.g. for the bash this would be:

```
function wcd
{
    wcd.exe -z 50 $*
    . $HOME/bin/wcd.go
}
```

-[#] Push dir [# times].

Go back a directory. 'wcd -' goes one directory back. To go more directories back add a number to it. E.g. wcd -3 The stack is cyclic.

+[#] Pop dir [# times].

Go forward a directory. 'wcd +' goes one directory forward. To go more directories forward add a number to it. E.g. wcd +2 The stack is cyclic.

= Show stack.

Use this option if don't know anymore how many times to push or pop. The stack is printed and you can choose a number. The current place in the stack is marked with an asterisk `*`.

INTERFACE

Wcd has three different interfaces to choose from a list of matches. The interface can be chosen at compile time.

The first interface uses plain *stdin/stdout*. A numbered list is printed in the terminal. The user has to choose from the list by typing a number followed by <Enter>. This interface does not provide scroll back functionality in case of a long list. The scroll back capability of the terminal/console has to be used. It is very small and portable.

The second interface is built with the *conio* library. It provides a builtin scroll back capability. The user is presented a list numbered with letters. Choosing from a list can be done by pressing just one letter. This interface is fast because it saves keystrokes. If possible the screen will be restored after exiting. One who prefers to type numbers can use the -N option. This interface is meant for DOS systems.

The third interface is built with the *curses* library. It is similar to the conio interface. The curses version of wcd has also an additional *graphical* interface. It lets the user select a directory via a full-screen interactive directory browser. It has a Vi(m) like navigation and search method. It can be activated with option -g. This interface is portable to DOS, Windows and Unix.

By using the -o option one can always fall back to the stdin/stdout interface.

INSTALLATION

The current working directory of a **Bourne-like or C shell** can only be changed by the builtin cd command. Therefore the program is always called by a function or alias. The function or alias sources a shell script (go-script) which is generated by the wcd program. Wcd can only work after the function or alias is defined.

Bourne-like shells:

Korn Shell (ksh, pksh), Bourne Again Shell (bash), Z shell (zsh), ash, ...

Add the following function to a startup file of your shell. For instance in: \$HOME/.kshrc (ksh), \$HOME/.bashrc (bash), \$HOME/.zshenv (zsh)

```
function wcd
{
  <PREFIX>/bin/wcd.exe $*
  . $HOME/bin/wcd.go
}
```

Replace <PREFIX> with the prefix used during package installation. Start a new shell. For DOS bash and Windows MSYS/ZSH the location of wcd.go is different. See section FILES (go-script).

C Shell (csh):

Add the following alias to your \$HOME/.cshrc file.

```
alias wcd "<PREFIX>/bin/wcd.exe \!* ; source $HOME/bin/wcd.go"
```

Replace <PREFIX> with the prefix used during package installation. Start a new C Shell

INSTALLATION WIN32 CONSOLE VERSION

In a Windows NT/XP/Vista console (Command prompt) a win32-program cannot change the current work directory (although a DOS-program can). That is why wcd generates a batch script (wcdgo.bat) which must be executed in the current shell.

Windows VISTA

In a Windows VISTA command prompt you may have limited access to directories. To get access to more directories you need administrator rights. You can get a command prompt with administrator rights if you right click on the command prompt icon and select 'Run as administrator'.

INSTALLATION WINDOWS POWERSHELL VERSION

Add the following function to your PowerShell user profile. The location of this profile is stored in the \$profile variable. It is required that environment variable HOME or WCDHOME is defined.

```
function wcd
{
    <PREFIX>\bin\wcdwin32psh.exe $args
    & $env:HOME\wcdgo.ps1
}
```

Replace <PREFIX> with the prefix used during package installation. Start a new PowerShell

Wcd for PowerShell supports only the file system provider. No other providers.

INSTALLATION OS/2 CONSOLE VERSION

In a OS/2 console an os2-program cannot change the current work directory. That is why wcd generates a command script (wcdgo.cmd) which must be executed in the current shell.

There is more information about wcd installation in the wcd package.

ENVIRONMENT

HOME and WCDHOME

Wcd uses environment variable HOME to determine where to store its files. See also section FILES. Environment variable WCDHOME overrides HOME. If both HOME and WCDHOME are set, WCDHOME will be used instead of HOME.

For the Unix, Cygwin, Windows PowerShell and Windows MSYS/ZSH version it is required that HOME or WCDHOME is set. For the other versions of wcd the use of these variables is optional.

TERMINFO

If the environment variable TERMINFO is defined, wcd with ncurses interface checks for a local terminal definition before checking in the standard place. This is useful if terminal definitions are not on a standard place. Often used standard places are /usr/lib/terminfo and /usr/share/terminfo.

PDC_RESTORE_SCREEN

Wcd with PDCurses interface recognizes the environment variable PDC_RESTORE_SCREEN. If this environment variable is set, PDCurses will take a copy of the contents of the screen at the time that wcd is started; when wcd exits, the screen will be restored. One can set this variable e.g. in AUTOEXEC.BAT. Example:

```
set PDC_RESTORE_SCREEN=1
```

For Cygwin this would be ``export PDC_RESTORE_SCREEN=1'`.`

Windows allows only a small buffer to be saved. So it is not always possible to restore everything. Some garbage data may be printed in the console after wcd exists if you have set a large buffer width.

SHELL

Printing of `#!/$SHELL` on the first line of the go-script for Bourne-like or C shell is needed for 8 bit characters. Some shells otherwise think that the go-script is a binary file and will not source it. In Cygwin bash one may need to define `$SHELL` with an ``export'` command, otherwise wcd can't read the variable.

BASH

Wcd for DOS bash uses `$BASH` instead of `$SHELL`, because `$SHELL` point to the DOS command shell. One may need to define `$BASH` with an ``export'` command, otherwise wcd can't read the variable.

WCDFILTER

Specify filters with environment variable `WCDFILTER`. All directories that don't match the filter(s) are ignored. A list can be specified by separating filters with colons (`:`) on Unix/Cygwin and semi-colons (`;`) on DOS/Windows systems (Similar as specifying the `PATH` variable). Filters are case sensitive on Unix and case insensitive on DOS/Windows.

Example Unix: `export WCDFILTER=projects:doc`

Example DOS/Windows: `set WCDFILTER=projects;doc`

WCDBAN

The paths specified with environment `WCDBAN` will be banned by wcd. See also option `-b`. Specify a list of paths separated by colons on Unix/Cygwin and semicolons on DOS/Windows.

WCDEXCLUDE

The paths specified with environment `WCDEXCLUDE` will be excluded by wcd. See also options `-x` and `-xf`. Specify a list of paths separated by colons on Unix/Cygwin and semicolons on DOS/Windows.

Example Unix: `export WCDEXCLUDE=/dev:/tmp:*CVS`

Example DOS/Windows: `set WCDEXCLUDE=*/windows;*/temp;*CVS`

WCDUSERSHOME

With this variable one can set the base directory where the users home directories are. If this variable is not set wcd will assume `/home` on Unix, and `\\users` on DOS/Windows. This variable is used to scan treedata files of other users. See also options `-u` and `+u`.

In verbose mode wcd will print all filters, bans and excludes. See option `-v`.

LOCALIZATION

LANG

The primary language is selected with the environment variable `LANG`. The `LANG` variable consists out of several parts. The first part is in small letters the language code. The second is optional and is the country code in capital letters, preceded with an underscore. There is also an optional third part: character encoding, preceded with a dot.

Examples (Bourne type shell):

```
export LANG=nl           Dutch
export LANG=nl_NL        Dutch, The Netherlands
export LANG=nl_BE        Dutch, Belgium
export LANG=es_ES        Spanish, Spain
export LANG=es_MX        Spanish, Mexico
export LANG=en_US.iso88591 English, USA, Latin-1 encoding
```

For a complete list of language and country codes see the gettext manual:
<http://www.gnu.org/software/gettext/manual/gettext.html#Language-Codes>

On Unix systems you can use to command `'locale'` to get locale specific information.

LANGUAGE

With the `LANGUAGE` environment variable you can specify a priority list of languages, separated by colons. `Wcd` gives preference to `LANGUAGE` over `LANG`. For instance, first Dutch and then German: `LANGUAGE=nl:de`. You have to first enable localization, by setting `LANG` (or `LC_ALL`) to a value other than `'C'`, before you can use a language priority list through the `LANGUAGE` variable. See also the gettext manual:

<http://www.gnu.org/software/gettext/manual/gettext.html#The-LANGUAGE-variable>

If you select a language which is not available you will get the standard English messages.

WCDLOCALEDIR

With the environment variable `WCDLOCALEDIR` the `LOCALEDIR` used during compilation and installation of `wcd` can be overruled. `LOCALEDIR` is used by `wcd` with native language support to find the language files. The GNU default value is `/usr/local/share/locale`. By typing `'wcd -V'` `wcd` will print the `LOCALEDIR` that is used.

If you have installed `wcd` in a different directory than the default directory you may need to set the environment variable `WCDLOCALEDIR` to point to the locale directory.

Example (windows cmd):

```
set WCDLOCALEDIR=c:/my_prefix/share/locale
```

LC_COLLATE

When there are multiple directory matches `wcd` presents a sorted list. The sorting depends on the locale settings. If the environment `LANG` has been set the matches are sorted like dictionaries or phone books are sorted in that language. For instance dots and dashes are ignored, or letters e with and without accent are equal, or upper and lower case is ignored.

The sorting gives preference to environment variable `LC_COLLATE` over `LANG`. If you make `LC_COLLATE` equal to `"C"` or `"POSIX"`, locale sorting is turned off. For instance if you want Dutch language, but not Dutch sorting, you can do something like this:

```
export LANG=nl_NL
export LC_COLLATE=C
```

LC_CTYPE

With regard to character encoding Wcd will give preference to variable LC_CTYPE over LANG. For instance to set character encoding to UTF-8 the following environment setting can be done.

```
export LC_CTYPE=en_US.UTF-8
```

LC_ALL

All locale environment variables that start with 'LC_' are overruled by environment variable LC_ALL if it is defined. Wcd gives preference to LC_ALL over LC_COLLATE and LC_CTYPE.

WINDOWS CODE PAGES

There are two groups of code pages. DOS code pages (OEM) and Windows code pages (ANSI). The default encoding for Windows, when configured with Western regional settings, is ANSI CP1252. Windows programs, for instance notepad, use this default system ANSI code page. The Windows console uses by default an OEM code page (CP850) for compatibility with DOS programs. If you use a DOS version of wcd in a Windows console it will work, because of the DOS code page. But the DOS version of wcd lacks support for long directory names and network drives on Windows. The windows version of wcd is a native windows program and will use the Windows system ANSI code page. So on a Western regional Windows it will use CP1252 for directory names and messages. Therefore the code page of the console has to be made equal to the system code page (changed to 1252) to make wcd for Windows work properly with special characters such as accented characters or the euro symbol. The console raster font only supports the default OEM code page, so you also have to change the font to true type Lucida console to support the ANSI code page. The Windows system code page can be changed via the Control Panel regional options. The Windows console code page is changed with the 'chcp' command.

When you type 'wcd -V', the actual character encoding used by wcd is shown. Type 'chcp' to display the active code page of the windows console.

UTF-8 and UNICODE

Wcd can support UTF-8 Unicode. To see if wcd was built with Unicode support type 'wcd -V'. If your locale character encoding setting is UTF-8 you should see the euro symbol and Chinese characters (meaning: "Chinese"). Other multi-byte character encodings should also work, but that has not been tested.

In order to view UTF-8 characters your console/terminal also needs to support UTF-8. The xterm version that comes with XFree86 4.0 or higher includes UTF-8 support. To activate it, start xterm in a UTF-8 locale and use a font with iso10646-1 encoding, for instance with

```
LC_CTYPE=en_GB.UTF-8 xterm -u8 \
-fn 'Misc-Fixed-Medium-R-SemiCondensed--13-120-75-75-C-60-ISO10646-1'
```

A Windows console in unicode mode can be started with the command 'cmd /u'. UTF-8 code page is activated with command 'chcp 65001'. You need to set the font to True Type Lucida Console (not raster fonts). A problem for wcd is that batch scripts don't run anymore when code page 65001 has been activated. This is a blocker for Wcd.

In Windows PowerShell you also need to activate code page 65001 and select a True Type font.

Wcd UTF-8 support in Windows Powershell is experimental and may not work properly. The default

Unicode encoding in Windows is UTF-16 instead of UTF-8. Wcd does not (yet) support UTF-16 on Windows.

Wcd has been 'soft' converted to Unicode. In its core it still handles strings as 8 bit streams. Only the lines printed to screen are on the fly converted to Unicode characters. Wcd fully relies on libc functions and has no UTF-8 specific code. See also <http://www.cl.cam.ac.uk/~mgk25/unicode.html>

FILES

wcd.exe

The program. Do not rename it to 'wcd' on Unix systems. In a Bourne-like or C shell the program is always called by a function or alias, because the current working directory of a Bourne-like or C shell can only be changed by the builtin cd command. See also section INSTALLATION.

default treedata file

DOS: \treedata.wcd or %HOME%\treedata.wcd
 UNIX: \$HOME/.treedata.wcd

This is the default treedata file where wcd searches for matches. If it is not readable wcd will create a new one.

extra treedata file

DOS: \extra.wcd or %HOME%\extra.wcd
 UNIX: \$HOME/.extra.wcd

An optional extra treedata file. If it exists and is readable wcd will try to find matches in this file also.

ban file

DOS: \ban.wcd or %HOME%\ban.wcd
 UNIX: \$HOME/.ban.wcd

In this optional file wcd places banned paths. See option -b. Wildcards are supported.

alias file

DOS: \alias.wcd or %HOME%\alias.wcd
 UNIX: \$HOME/.alias.wcd

Optional file with wcd aliases. See option -l.

stack file

DOS: c:\stack.wcd or %HOME%\stack.wcd
 UNIX: \$HOME/.stack.wcd

In this file wcd stores its stack. The drive-letter can be changed with the -d option.

go-script

DOS BASH: c:/wcd.go or \$HOME/wcd.go
 WIN32 CONSOLE: c:\wcdgo.bat or %HOME%\wcdgo.bat
 WINDOWS POWERSHELL: \$env:HOME\wcdgo.ps1
 WIN32 MSYS/ZSH: \$HOME/wcd.go
 OS/2 CONSOLE: c:\wcdgo.cmd or %HOME%\wcdgo.cmd
 UNIX: \$HOME/bin/wcd.go

This is the shell script which wcd.exe creates each time. It is sourced via a function or an alias. The drive-letter can be changed with the -d option. For history reasons it is placed by default in ~/bin on Unix systems. The directory of this file can be changed with the option -G.

relative treedata file

DOS: <path>\rtdata.wcd

UNIX: <path>/rtdata.wcd

Text file with relative paths from <path>. See options +S, -n and +n.

The win32 console version of wcd behaves as the DOS version. The Cygwin version of wcd behaves as the UNIX version.

All .wcd files are text files. They can be edited with a text-editor.

If the environment variable *WCDHOME* is set wcd will use WCDHOME instead of HOME.

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SEE ALSO

ksh(1), **csh(1)**, **bash(1)**, **zsh(1)**, **ncurses(1)**, **locale(1)**