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Midnight Commander (mc) - GNU Midnight Commander to wizualny menedżer plików na licencji GNU General Public License. Jest to bogata w funkcje pełnoekranowa aplikacja w trybie tekstowym, która umożliwia kopiowanie, przenoszenie i usuwanie plików oraz całych drzew katalogów, wyszukiwanie plików i uruchamianie poleceń w podpowłocie. Zawiera wewnętrzną przeglądarkę i edytor.

Instalacja:

Pobranie plików źródłowych w formacie tar.xz za pomocą wget do katalogu Pobrane w katalogu użytkownika

```
osboxes@osboxes:~/Pobrane$ wget http://ftp.midnight-commander.org/mc-4.8.28.tar.xz
--2022-06-23 04:39:33-- http://ftp.midnight-commander.org/mc-4.8.28.tar.xz
Resolving ftp.midnight-commander.org (ftp.midnight-commander.org)... 64.50.233.100, 64.50.236.52, 2600:3402:200:227::2, ...
Connecting to ftp.midnight-commander.org (ftp.midnight-commander.org)|64.50.233.100|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 2333072 (2.2M) [application/x-xz]
Saving to: 'mc-4.8.28.tar.xz'

mc-4.8.28.tar.xz      100%[=====>]  2.22M  199KB/s   in 9.3s

2022-06-23 04:39:42 (245 KB/s) - 'mc-4.8.28.tar.xz' saved [2333072/2333072]

osboxes@osboxes:~/Pobrane$
```

Rozpakowanie archiwum

```
osboxes@osboxes:~/Pobrane$ tar -xvf mc-4.8.28.tar.xz

mc-4.8.28/misc/syntax/vhdl.syntax
mc-4.8.28/misc/syntax/xml.syntax
mc-4.8.28/misc/syntax/yabasic.syntax
mc-4.8.28/misc/syntax/yaml.syntax
mc-4.8.28/misc/syntax/yum-repo.syntax
mc-4.8.28/misc/syntax/yxx.syntax
osboxes@osboxes:~/Pobrane$ ls
aria2-1.36.0  aria2-1.36.0.tar.gz  mc-4.8.28  mc-4.8.28.tar.xz
osboxes@osboxes:~/Pobrane$
```

Sprawdzenie czy jest zainstalowany pakiet build-essential – Ok zainstalowany

```
osboxes@osboxes:~/Pobrane$ dpkg -s build-essential
Package: build-essential
Status: install ok installed
Priority: optional
Section: devel
Installed-Size: 20
Maintainer: Matthias Klose <doko@debian.org>
Architecture: i386
Version: 12.9
Depends: libc6-dev | libc-dev, gcc (>= 4:10.2), g++ (>= 4:10.2), make, dpkg-dev (>= 1.17.11)
Description: Informational list of build-essential packages
 If you do not plan to build Debian packages, you don't need this package. Starting with dpkg (>= 1.14.18) this package is required for building Debian packages.
```

Wyświetlenie pliku INSTALL

```
osboxes@osboxes:~/Pobrane$ nano mc-4.8.28/INSTALL
```

```
GNU nano 5.4 mc-4.8.28/INSTALL
- Notes about GNU Midnight Commander installation
- Obtaining related software

Build requirements for GNU Midnight Commander
-----

- glibc
- gcc
- make
- autoconf >= 2.64
- automake >= 1.12
- libtool
- glib2 >= 2.30
- slang2 or ncurses
- gettext >= 0.18.2
- libssh2 >= 1.2.8 is required only for sftp vfs
- libaspell to support spell checking in the internal editor
- ext2fs >= 1.42.4 to support ext{2,3,4}fs extended attributes
```

Sprawdzenie i instalacja zależności:

glibc

```
osboxes@osboxes:~/Pobrane$ dpkg -s libc-dev
dpkg-query: package 'libc-dev' is not installed and no information is available
Use dpkg --info (= dpkg-deb --info) to examine archive files.
osboxes@osboxes:~/Pobrane$
```

```
osboxes@osboxes:~/Pobrane$ sudo apt install libc-dev
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Note, selecting 'libc6-dev' instead of 'libc-dev'
libc6-dev is already the newest version (2.31-13+deb11u3).
libc6-dev set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 196 not upgraded.
osboxes@osboxes:~/Pobrane$
```

gcc

```
osboxes@osboxes:~/Pobrane$ dpkg -s gcc
Package: gcc
Status: install ok installed
```

make

```
osboxes@osboxes:~/Pobrane$ dpkg -s make
Package: make
Status: install ok installed
```

autoconf

```
osboxes@osboxes:~/Pobrane$ dpkg -s autoconf
Package: autoconf
Status: install ok installed
Priority: optional
Section: devel
Installed-Size: 1846
Maintainer: Debian QA Group <packages@qa.debian.org>
Architecture: all
Multi-Arch: foreign
Version: 2.69-14
```

automake

```
osboxes@osboxes:~/Pobrane$ dpkg -s automake
Package: automake
Status: install ok installed
```

Dla pozostałych tak samo dpkg-s i sudo apt install jeżeli nie zainstalowany: libtool, glib2 (libglib2.0-dev), slang2 (libslang2-dev), gettext, libssh2 (libssh2-1), libaspell (libaspell15), ext2fs (libext2fs2)

Konfiguracja oprogramowania:

```
osboxes@osboxes:~/Pobrane$ cd mc-4.8.28/
osboxes@osboxes:~/Pobrane/mc-4.8.28$ ./configure

-Wmissing-declarations -Wmissing-field-initializers -Wmissing-format-attribute
-Wmissing-parameter-type -Wmissing-prototypes -Wnested-externs -Wno-long-long -W
no-unreachable-code -Wparentheses -Wpointer-arith -Wpointer-sign -Wredundant-dec
ls -Wreturn-type -Wsequence-point -Wshadow -Wsign-compare -Wstrict-prototypes -W
switch -Wswitch-default -Wtype-limits -Wundef -Wuninitialized -Wunreachable-code
-Wunused-but-set-variable -Wunused-function -Wunused-label -Wunused-parameter -
Wunused-result -Wunused-value -Wunused-variable -Wwrite-strings -g -O2
Assertions: yes
Unit tests: no ('Check' testing framework not found)
File system: Midnight Commander Virtual Filesystem
             cpio, extfs, fish, ftp, sfs, sftp, tar
Screen library: S-Lang
Mouse support: xterm only
X11 events support: no
With subshell support: yes
With background operations: yes
With ext2fs attributes support: no
Internal editor: yes
Diff viewer: yes
Support for charset: yes
Search type: glib-regex
```

```
osboxes@osboxes:~/Pobrane/mc-4.8.28$
```

Kompilacja oprogramowania

```
osboxes@osboxes:~/Pobrane/mc-4.8.28$ make -j4

make[3]: Entering directory '/home/osboxes/Pobrane/mc-4.8.28/misc/syntax'
make[3]: Nothing to be done for 'all'.
make[3]: Leaving directory '/home/osboxes/Pobrane/mc-4.8.28/misc/syntax'
make[3]: Entering directory '/home/osboxes/Pobrane/mc-4.8.28/misc'
make[3]: Nothing to be done for 'all-am'.
make[3]: Leaving directory '/home/osboxes/Pobrane/mc-4.8.28/misc'
make[2]: Leaving directory '/home/osboxes/Pobrane/mc-4.8.28/misc'
make[2]: Entering directory '/home/osboxes/Pobrane/mc-4.8.28'
make[2]: Leaving directory '/home/osboxes/Pobrane/mc-4.8.28'
make[1]: Leaving directory '/home/osboxes/Pobrane/mc-4.8.28'
osboxes@osboxes:~/Pobrane/mc-4.8.28$
```

Wykonanie testów jednostkowych – brak testów.

```
osboxes@osboxes:~/Pobrane/mc-4.8.28$ make check
```

```
make[2]: Entering directory '/home/osboxes/Pobrane/mc-4.8.28/misc/skins'
make[2]: Nothing to be done for 'check'.
make[2]: Leaving directory '/home/osboxes/Pobrane/mc-4.8.28/misc/skins'
Making check in syntax
make[2]: Entering directory '/home/osboxes/Pobrane/mc-4.8.28/misc/syntax'
make[2]: Nothing to be done for 'check'.
make[2]: Leaving directory '/home/osboxes/Pobrane/mc-4.8.28/misc/syntax'
make[2]: Entering directory '/home/osboxes/Pobrane/mc-4.8.28/misc'
make[2]: Nothing to be done for 'check-am'.
make[2]: Leaving directory '/home/osboxes/Pobrane/mc-4.8.28/misc'
make[1]: Leaving directory '/home/osboxes/Pobrane/mc-4.8.28/misc'
make[1]: Entering directory '/home/osboxes/Pobrane/mc-4.8.28'
make[1]: Leaving directory '/home/osboxes/Pobrane/mc-4.8.28'
osboxes@osboxes:~/Pobrane/mc-4.8.28$
```

Instalacja oprogramowania

```
osboxes@osboxes:~/Pobrane/mc-4.8.28$ sudo make install
```

```
make[1]: Leaving directory '/home/osboxes/Pobrane/mc-4.8.28/misc'
make[1]: Entering directory '/home/osboxes/Pobrane/mc-4.8.28'
make[2]: Entering directory '/home/osboxes/Pobrane/mc-4.8.28'
make[2]: Nothing to be done for 'install-exec-am'.
make[2]: Nothing to be done for 'install-data-am'.
make[2]: Leaving directory '/home/osboxes/Pobrane/mc-4.8.28'
make[1]: Leaving directory '/home/osboxes/Pobrane/mc-4.8.28'
osboxes@osboxes:~/Pobrane/mc-4.8.28$
```

Sprawdzenie poprawności instalacji – brak testów

```
osboxes@osboxes:~/Pobrane/mc-4.8.28$ sudo make installcheck
```

```
make[2]: Nothing to be done for 'installcheck-am'.
make[2]: Leaving directory '/home/osboxes/Pobrane/mc-4.8.28/misc'
make[1]: Leaving directory '/home/osboxes/Pobrane/mc-4.8.28/misc'
make[1]: Entering directory '/home/osboxes/Pobrane/mc-4.8.28'
make[1]: Nothing to be done for 'installcheck-am'.
make[1]: Leaving directory '/home/osboxes/Pobrane/mc-4.8.28'
osboxes@osboxes:~/Pobrane/mc-4.8.28$
```

Uruchomienie programu

```
osboxes@osboxes:~/Pobrane/mc-4.8.28$ mc
```

Left				Right			
File				File			
Command				Command			
Options				Options			
Left				Right			
~/.Pobrane/mc-4.8.28				~/.Pobrane/mc-4.8.28			
.[^]>				.[^]>			
.n Name Size Modify time				.n Name Size Modify time			
/..				/..			
UP--DIR				UP--DIR			
Jun 23 04:41				Jun 23 04:41			
/config				/config			
4096 Mar 27 08:08				4096 Mar 27 08:08			
/contrib				/contrib			
4096 Jun 23 05:22				4096 Jun 23 05:22			
/doc				/doc			
4096 Jun 23 05:18				4096 Jun 23 05:18			
/lib				/lib			
4096 Jun 23 05:20				4096 Jun 23 05:20			
/m4				/m4			
4096 Mar 27 08:08				4096 Mar 27 08:08			
/m4.include				/m4.include			
4096 Mar 27 08:08				4096 Mar 27 08:08			
/misc				/misc			
4096 Jun 23 05:18				4096 Jun 23 05:18			
/po				/po			
4096 Jun 23 05:18				4096 Jun 23 05:18			
/src				/src			
4096 Jun 23 05:22				4096 Jun 23 05:22			
/tests				/tests			
4096 Jun 23 05:18				4096 Jun 23 05:18			
ABOUT-NLS				ABOUT-NLS			
93787 Mar 27 07:36				93787 Mar 27 07:36			
AUTHORS				AUTHORS			
3585 Mar 20 06:02				3585 Mar 20 06:02			
COPYING				COPYING			
37346 Mar 20 06:02				37346 Mar 20 06:02			
ChangeLog				ChangeLog			
180 Mar 20 06:02				180 Mar 20 06:02			
UP--DIR				UP--DIR			
250G/265G (94%)				250G/265G (94%)			

Hint: Want your plain shell? Press C-o, and get back to MC with C-o again.

```
osboxes@osboxes:~/Pobrane/mc-4.8.28$
```

```
1Help 2Menu 3View 4Edit 5Copy 6RenMov 7Mkdir 8Delete 9PullDn 10Quit
```

Usunięcie plików konfiguracyjnych z folderu źródłowego

```
osboxes@osboxes:~/Pobrane/mc-4.8.28$ sudo make clean
ts
rm -rf .libs _libs
rm -f *.lo
make[2]: Leaving directory '/home/osboxes/Pobrane/mc-4.8.28/misc'
make[1]: Leaving directory '/home/osboxes/Pobrane/mc-4.8.28/misc'
make[1]: Entering directory '/home/osboxes/Pobrane/mc-4.8.28'
rm -rf .libs _libs
rm -f *.lo
make[1]: Leaving directory '/home/osboxes/Pobrane/mc-4.8.28'
osboxes@osboxes:~/Pobrane/mc-4.8.28$
```

Odinstalowanie pakietu

```
osboxes@osboxes:~/Pobrane/mc-4.8.28$ sudo make uninstall
make uninstall-hook
make[3]: Entering directory '/home/osboxes/Pobrane/mc-4.8.28/misc'
cd /usr/local/etc/mc && rm -f mc.keymap
make[3]: Leaving directory '/home/osboxes/Pobrane/mc-4.8.28/misc'
make[2]: Leaving directory '/home/osboxes/Pobrane/mc-4.8.28/misc'
make[1]: Leaving directory '/home/osboxes/Pobrane/mc-4.8.28/misc'
make[1]: Entering directory '/home/osboxes/Pobrane/mc-4.8.28'
make[1]: Nothing to be done for 'uninstall-am'.
make[1]: Leaving directory '/home/osboxes/Pobrane/mc-4.8.28'
osboxes@osboxes:~/Pobrane/mc-4.8.28$ mc
bash: /usr/local/bin/mc: No such file or directory
osboxes@osboxes:~/Pobrane/mc-4.8.28$
```

Zależności:

Glibc(lic6-dev), gcc, make, autoconf, automake, libtool, glib2 (libglib2.0-dev), slang2 (libslang2-dev), gettext, libssh2 (libssh2-1), libaspell (libaspell15), ext2fs (libext2fs2).

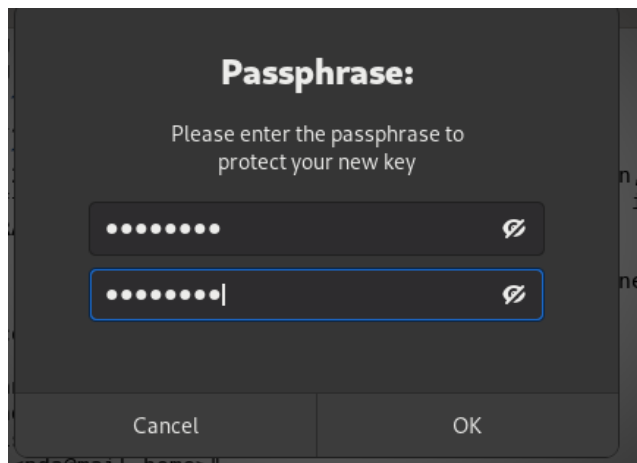
Wnioski:

Instalacja sama w sobie nie sprawiła zbyt wiele kłopotu. Najtrudniejszą rzeczą do zrobienia było znalezienie odpowiednich pakietów zależności i zainstalowanie ich. Jeżeli zależności byłyby wypisane jako dosłowne nazwy pakietów jakie należy zainstalować zadanie byłoby znacznie prostsze.

Tworzenie pakietu:

Wygenerowanie klucza:

```
osboxes@osboxes:~/Pobrane/mc-4.8.28$ gpg --gen-key
Real name: Adrian NDH
Email address: nda@mail.home
You selected this USER-ID:
    "Adrian NDH <nda@mail.home>"
Change (N)ame, (E)mail, or (O)kay/(Q)uit? o
```



```
gpg: key 1E89E4E49A5F4E393C62F7E4E06 marked as ultimately trusted  
gpg: revocation certificate stored as '/home/osboxes/.gnupg/openpgp-revocs.d/67B  
DE7EE6B6891E89E4E49A5F4E393C62F7E4E06.rev'  
public and secret key created and signed.
```

```
pub  rsa3072 2022-06-23 [SC] [expires: 2024-06-22]  
      67BDE7EE6B6891E89E4E49A5F4E393C62F7E4E06  
uid                Adrian NDH <nda@mail.home>  
sub  rsa3072 2022-06-23 [E] [expires: 2024-06-22]
```

```
osboxes@osboxes:~/Pobrane/mc-4.8.28$
```

Przygotowanie katalogu do budowy pakietu

```
osboxes@osboxes:~/Pobrane/mc-4.8.28$ mkdir -p ~/build/mc/4.8.28  
osboxes@osboxes:~/Pobrane/mc-4.8.28$ cd ~/build/mc/4.8.28/  
osboxes@osboxes:~/build/mc/4.8.28$
```

Przeniesienie pliku archiwum

```
osboxes@osboxes:~/build/mc/4.8.28$ cp ~/Pobrane/mc-4.8.28.tar.xz .
```

Rozpakowanie archiwum

```
osboxes@osboxes:~/build/mc/4.8.28$ tar -xvf mc-4.8.28.tar.xz
```

```
mc-4.8.28/misc/syntax/verilog.syntax  
mc-4.8.28/misc/syntax/vhdl.syntax  
mc-4.8.28/misc/syntax/xml.syntax  
mc-4.8.28/misc/syntax/yabasic.syntax  
mc-4.8.28/misc/syntax/yaml.syntax  
mc-4.8.28/misc/syntax/yum-repo.syntax  
mc-4.8.28/misc/syntax/yxx.syntax  
osboxes@osboxes:~/build/mc/4.8.28$ ls  
mc-4.8.28  mc-4.8.28.tar.xz  
osboxes@osboxes:~/build/mc/4.8.28$
```

Przygotowanie struktury pakietu

```
osboxes@osboxes:~/build/mc/4.8.28$ cd mc-4.8.28/  
osboxes@osboxes:~/build/mc/4.8.28/mc-4.8.28$ dh_make -e nda@mail.home -f ../mc-4  
.8.28.tar.xz
```

```

Please respond with one of the following: y/n/q
Type of package: (single, indep, library, python)
[s/i/l/p]?
Maintainer Name      : osboxes.org
Email-Address        : nda@mail.home
Date                 : Thu, 23 Jun 2022 05:50:29 -0400
Package Name         : mc
Version              : 4.8.28
License              : blank
Package Type         : single
Are the details correct? [Y/n/q]
Please respond with "yes", "no" or "quit" (or "y", "n" or "q")
Please respond with "yes", "no" or "quit" (or "y", "n" or "q")
Done. Please edit the files in the debian/ subdirectory now.

osboxes@osboxes:~/build/mc/4.8.28/mc-4.8.28$

```

Wyszukanie zależności wymaganych do instalacji pakietu

```
osboxes@osboxes:~/build/mc/4.8.28/mc-4.8.28$ dpkg-depcheck -d ./configure
```

```

libmagic1:i386
shared-mime-info
libgtk-3-bin
unzip
mawk
pkg-config
gettext
libfakeroot:i386
tzdata
libxml2:i386
appstream
libunistring2:i386
groff-base
file
gnome-control-center-data
osboxes@osboxes:~/build/mc/4.8.28/mc-4.8.28$

```

Edycja pliku debian/control

```
osboxes@osboxes:~/build/mc/4.8.28/mc-4.8.28$ nano debian/control
```

```

Maintainer: Adrian NDH <nda@mail.home>
Build-Depends: debhelper-compat (= 13), autotools-dev, zlib1g-dev:i386,
  libslang2-dev:i386, libglib2.0-0:i386, libssh2-1-dev:i386, libmagic-mgc,
  mailcap, libperl5.32:i386, libicu67:i386, libpcre3-dev:i386,
  libglib2.0-dev:i386, policykit-1, libslang2:i386, libmagic1:i386,
  shared-mime-info, libgtk-3-bin, unzip, mawk, pkg-config, gettext,
  libfakeroot:i386, tzdata, libxml2:i386, appstream, libunistring2:i386,
  groff-base, file, gnome-control-center-data
Standards-Version: 4.5.1
Homepage: <insert the upstream URL, if relevant>
#Vcs-Browser: https://salsa.debian.org/debian/mc
#Vcs-Git: https://salsa.debian.org/debian/mc.git
Rules-Requires-Root: no

Package: mc
Architecture: any
Depends: ${shlibs:Depends}, ${misc:Depends}
Description: GNU Midnight Commander is a visual file manager.
  GNU Midnight Commander is a visual file manager, licensed under GNU General Pu

```

Edycja pliku debian/copyright

```
osboxes@osboxes:~/build/mc/4.8.28/mc-4.8.28$ nano debian/copyright
```



```

GNU nano 5.4                debian/copyright *
Format: https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: mc
Upstream-Contact: <preferred name and address to reach the upstream project>
Source: <url://example.com>

Files: *
Copyright: <years> <put author's name and email here>
          <years> <likewise for another author>
License: <special license>
        <Put the license of the package here indented by 1 space>
        <This follows the format of Description: lines in control file>
        .
        <Including paragraphs>

# If you want to use GPL v2 or later for the /debian/* files use
# the following clauses, or change it to suit. Delete these two lines
Files: debian/*
Copyright: 2022 Adrian NDH <nda@mail.home>
License: GPL-2+
        This package is free software; you can redistribute it and/or modify

```

Edycja pliku debian/changelog

```
osboxes@osboxes:~/build/mc/4.8.28/mc-4.8.28$ nano debian/changelog
```

```

GNU nano 5.4                debian/changelog *
mc (4.8.28-1) unstable; urgency=medium

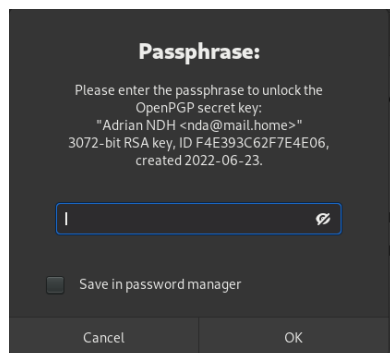
 * Initial release (Closes: #nnnn) <nnnn is the bug number of your ITP>

-- Adrian NDH <nda@mail.home> Thu, 23 Jun 2022 05:50:29 -0400

```

Budowanie pakietu

```
osboxes@osboxes:~/build/mc/4.8.28/mc-4.8.28$ dpkg-buildpackage -rfakeroot
```



```

dpkg-deb: building package 'mc' in '../mc_4.8.28-1_i386.deb'.
dpkg-deb: building package 'mc-dbgsym' in '../mc-dbgsym_4.8.28-1_i386.deb'.
dpkg-genbuildinfo
dpkg-genchanges >../mc_4.8.28-1_i386.changes
dpkg-genchanges: info: including full source code in upload
dpkg-source --after-build .
dpkg-buildpackage: info: full upload (original source is included)
signfile mc_4.8.28-1.dsc

signfile mc_4.8.28-1_i386.buildinfo

signfile mc_4.8.28-1_i386.changes

osboxes@osboxes:~/build/mc/4.8.28/mc-4.8.28$

```

Instalacja pakietu

```

osboxes@osboxes:~/build/mc/4.8.28/mc-4.8.28$ dpkg -i
dpkg: error: requested operation requires superuser privilege
osboxes@osboxes:~/build/mc/4.8.28/mc-4.8.28$ sudo dpkg -i

```



```
dpkg: error: --install needs at least one package archive file argument
```

```
Type dpkg --help for help about installing and deinstalling packages [*];
Use 'apt' or 'aptitude' for user-friendly package management;
Type dpkg -Dhelp for a list of dpkg debug flag values;
Type dpkg --force-help for a list of forcing options;
Type dpkg-deb --help for help about manipulating *.deb files;
```

```
Options marked [*] produce a lot of output - pipe it through 'less' or 'more' !
```

Kolejna próba

```
osboxes@osboxes:~/build/mc/4.8.28/mc-4.8.28$ cd ..
osboxes@osboxes:~/build/mc/4.8.28$ ls
mc-4.8.28          mc_4.8.28-1_i386.deb
mc_4.8.28-1.debian.tar.xz  mc_4.8.28.orig.tar.xz
mc_4.8.28-1.dsc      mc-4.8.28.tar.xz
mc_4.8.28-1_i386.buildinfo  mc-dbgsym_4.8.28-1_i386.deb
mc_4.8.28-1_i386.changes
osboxes@osboxes:~/build/mc/4.8.28$ sudo dpkg -i mc_4.8.28-1_i386.deb
```

Błędy:

```
dpkg: warning: dependency problems - leaving unconfigured
Selecting previously unselected package mc.
(Reading database ... 151995 files and directories currently installed.)
Preparing to unpack mc_4.8.28-1_i386.deb ...
Unpacking mc (4.8.28-1) ...
dpkg: dependency problems prevent configuration of mc:
 mc depends on findutils (4.8.0-1) but it is not to be installed.
 Version of mc to be configured is 4.8.28-1.
dpkg: error processing package mc (--install):
 dependency problems - leaving unconfigured
Processing triggers for man-db (2.9.4-2) ...
Errors were encountered while processing:
 mc
```

Próba naprawy

```
osboxes@osboxes:~/build/mc/4.8.28$ sudo apt install findutils
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
findutils is already the newest version (4.8.0-1).
0 upgraded, 0 newly installed, 0 to remove and 193 not upgraded.
osboxes@osboxes:~/build/mc/4.8.28$
```

Nie pomogło...

Wywołanie komend *sudo apt remove findutils*, a następnie *sudo apt autoclean* && *sudo apt autoremove* pozwoliło na zainstalowanie

```
osboxes@osboxes:~/build/mc/4.8.28$ sudo dpkg -i mc_4.8.28-1_i386.deb
Selecting previously unselected package mc.
(Reading database ... 151964 files and directories currently installed.)
Preparing to unpack mc_4.8.28-1_i386.deb ...
Unpacking mc (4.8.28-1) ...
Setting up mc (4.8.28-1) ...
Processing triggers for man-db (2.9.4-2) ...
osboxes@osboxes:~/build/mc/4.8.28$
```

```
Left      File      Command      Options      Right
<- ~/build/mc/4.8.28 .[^]> <- ~/build/mc/4.8.28 .[^]>
.n      Name      Size      Modify time      .n      Name      Size      Modify time
/..      UP--DIR      Jun 23 05:43      /..      UP--DIR      Jun 23 05:43
/mc-4.8.28      4096      Jun 23 06:07      /mc-4.8.28      4096      Jun 23 06:07
mc-4.8.28.tar.xz      2333072      Jun 23 05:44      mc-4.8.28.tar.xz      2333072      Jun 23 05:44
mc-dbgisy~386.deb      1166560      Jun 23 06:07      mc-dbgisy~386.deb      1166560      Jun 23 06:07
mc_4.8.2~.tar.xz      8216      Jun 23 06:05      mc_4.8.2~.tar.xz      8216      Jun 23 06:05
mc_4.8.28-1.dsc      1929      Jun 23 06:07      mc_4.8.28-1.dsc      1929      Jun 23 06:07
mc_4.8.2~ildinfo      12391      Jun 23 06:07      mc_4.8.2~ildinfo      12391      Jun 23 06:07
mc_4.8.2~changes      2708      Jun 23 06:07      mc_4.8.2~changes      2708      Jun 23 06:07
mc_4.8.2~386.deb      1778852      Jun 23 06:07      mc_4.8.2~386.deb      1778852      Jun 23 06:07
mc_4.8.2~.tar.xz      2333072      Jun 23 05:44      mc_4.8.2~.tar.xz      2333072      Jun 23 05:44

UP--DIR      250G/265G (94%)      UP--DIR      250G/265G (94%)

Hint: Want your plain shell? Press C-o, and get back to MC with C-o again.
osboxes@osboxes:~/build/mc/4.8.28$ [^]
1Help 2Menu 3View 4Edit 5Copy 6RenMov 7Mkdir 8Delete 9PullDn10Quit
```

Wnioski:

Budowa pakietu przebiegła całkiem sprawnie, jednak przy instalacji pojawił się błąd z paczka finduils. Rozwiązanie tego problemu zajęło trochę czasu. Podobne błędy zgłaszali inni użytkownicy, ale nie znalazłem żadnego lepszego rozwiązania niż usunięcie paczki findutils. Myślę, że gdyby nie ten błąd całość przebiegła by bardzo szybko i sprawnie.