

NAME

mindi – a tool for creating boot/root disks

SYNOPSIS

mind
mind -v| --version| -V| -version
mind --findkernel
mind --makemountlist *file*
mind --usb *device*
mind --printvar *variable*

DESCRIPTION

mind creates a bootable ISO/USB image using files from the system it runs on. **mind** will try hard to reproduce the environment of its host system including loaded modules to ensure that the system can be booted properly from the created rescue media. **mind** is used by **monodarchive(8)** to produce the required USB/ISO images but can also be used stand-alone.

For stand-alone usage, **mind** is called without any parameters or switches. It will then interactively ask the user for all information required to create a set of boot/root media.

The probably more frequent way of calling **mind** is non-interactively from **mondoarchive(8)** using the **--custom** switch. All required information is then provided via command line parameters. The sequence of these parameters is listed below.

OPTIONS

-v| --version| -V| -version
 Prints the version of **mind**.

--findkernel
 Finds the image of the running kernel in the file system.

--makemountlist *file*
 Creates a mount list and writes it to file *file*.

--usb *device*
 Create a bootable USB device

--printvar *variable*
 prints the value of the variable (useful for mondo-archive and debug)

--custom *parameters*
 Provide all required parameters to **mind** for non-interactive calling. This usually means a call from **mondoarchive(8)**. The following parameters are used:

- 01) directory to use for temporary files
- 02) directory to put disk images in
- 03) path to kernel image
- 04) tape device
- 05) tape size [MB]
- 06) total number of files in file list
- 07) use LZO [yes|no]
- 08) CD recovery media [yes|no]
- 09) devices to include
- 10) conservative LiLo settings [yes|no]
- 11) number of last file list
- 12) estimated total number of slices
- 13) devices to exclude
- 14) compare mode [yes|no]
- 15) use lilo [yes|no]
- 16) use star (rather than tar) [yes|no]
- 17) internal tape block size [bytes]

- 18) number of differential backup
 - 19) make non-bootable [yes|no]
 - 20) use gzip [yes|no]
- (Blank parameters must be specified as "" on the command line.)

DIAGNOSTICS

mindi writes some output to the console and extensive information to log file */var/log/mindi.log*. When seeking technical support for **mind**i, please attach this file to your email.

FILES

- /var/log/mindi.log*
Log file of mindi run. Contains important information to analyze mindi problem reports.
- /etc/mindi/deplist.d*
Files containing the list of files to be included on boot/root disks.
- /etc/mindi/deplist.txt*
List of additional files to be included on boot/root disks.
- /var/cache/mindi/N.tar.gz*
Number N of multiple tar balls together containing root file system for rescue media.
- /var/cache/mindi/all.tar.gz*
Single tar ball of root file system for rescue media.
- /var/cache/mindi/initrd.img*
initrd image for bootable ISO image.
- /var/cache/mindi/mindi-boot.F.img*
mindi boot media of size F [KB].
- /var/cache/mindi/mindi-root.F.img*
mindi root media of size F [KB].
- /var/cache/mindi/mindi-data.N.img*
mindi data media number N for boot/root media.
- /var/cache/mindi/mindi.iso*
mindi bootable ISO image.

CONFIGURATION FILE

You may create a mindi configuration file under */etc/mindi* called **mindi.conf** which overwrites default values described in **mindi.conf.dist** in the same directory. (Cf comments in this file)

SEE ALSO

mondoarchive(8), mondorestore(8).

See mailing list at <http://www.mondorescue.org> for technical support.

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