

**NAME**

**mind**i – a tool for creating boot/root disks

**SYNOPSIS**

```
mindi
mindi -v| --version| -V| -version
mindi --findkernel
mindi --makemountlist file
mindi [--max-compressed-size max] --custom parameters
```

**DESCRIPTION**

**mind**i creates a set of boot/root floppy disk images and/or a bootable ISO image using files from the system it runs on. **mind**i 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**i is used by **mondoarchive(8)** to produce the required boot/root floppy or CD images but can also be used stand-alone.

For stand-alone usage, **mind**i 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**i 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 mindi.

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

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

--max-compressed-size max
    Maximum size for disk image in KB.

--custom parameters
    Provide all required parameters to mindi 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]
    (Blank parameters must be specified as "" on the command line.)
```

## DIAGNOSTICS

**mind**i 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.txt*

List of 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*

**mind**i boot floppy of size F [KB].

*/var/cache/mindi/mindi-root.F.img*

**mind**i root floppy of size F [KB].

*/var/cache/mindi/mindi-data.N.img*

**mind**i data floppy number N for boot/root floppies.

*/var/cache/mindi/mindi.iso*

**mind**i bootable ISO image.

## CONFIGURATION FILE

You may create a mindi configuration file under */etc/mindi* called **mindi.conf** which overwrites default values by setting up the following variables:

*TMPDIR*

(default */tmp*): directory to create temporary files

*EXTRA\_SPACE*

(default 24576): increase if you run out of ramdisk space

*IA64\_BOOT\_SIZE*

(default 8192): size of the ia64 boot disk

*CACHE\_LOC*

(default */var/cache/mindi*): directory where boot/root files and iso are generated

WARNING: This directory is erased before usage

## SEE ALSO

mondoarchive(8), mondorestore(8).

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

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