

**NAME**

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

**SYNOPSIS**

**mind**  
**mind** **-v** | **--version** | **-V** | **-version**  
**mind** **--findkernel**  
**mind** **--makemountlist** *file*  
**mind** **--usb** *device*  
**mind** [**--max-compressed-size** *max*] **--custom** *parameters*

**DESCRIPTION**

**mind**i creates a bootable ISO/USB 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 **monodarchive(8)** to produce the required USB/ISO 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 mind*i.

**--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*

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

**--custom** *parameters*  
 Provide all required parameters to **mind**i 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

**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 media of size F [KB].

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

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

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

**mind**i data media number N for boot/root media.

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

**mind**i bootable ISO image.

## SEE ALSO

mondoarchive(8), mondorestore(8).

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

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