NAME

mindi − 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

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

For stand-alone usage, **mindi** 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 **mindi** 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 diffenrential backup
> 19) make non-bootable [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 **mindi**, 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

mindi boot floppy of size F [KB].

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

mindi root floppy of size F [KB].

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

mindi data floppy number N for boot/root floppies.

/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 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.

AUTHORS

Bruno Cornec (lead-development) *bcornec_at_mondorescue.org*
Andree Leidenfrost (co-developper) *aleidenf_at_bigpond.net.au*

ORIGINAL AUTHORS

Hugo Rabson (original author) *hugo.rabson_at_mondorescue.org*
Jesse Keating (packaging) *hosting_at_j2solutions.net*
Stan Benoit (testing) *troff_at_nakedsoul.org*
Mikael Hultgren (docs) *mikael_hultgren_at_gmx.net*