

NAME

mindi – a tool for creating boot/root disks

SYNOPSIS

mindi

mindi **-v**| **--version**| **-V**| **-version**

mindi **--findkernel**

mindi **--makemountlist** *file*

mindi **--usb** *device*

mindi **--locatedeps** *file*

mindi **--makemountlist** *file*

mindi **--makemessage**

mindi **--makebcf** *bootloader*

mindi **--ironic** *kernel initrd [BIOS|UEFI]*
[*syslinux|grub|grub2*] [*/path/to/bootloader*]

mindi [**--max-compressed-size** *max*] **--custom** *parameters*

DESCRIPTION

mindi 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

--locatedeps *file*

Find all dependencies of a binary file

--makemountlist *file*

Create the mountlist of your system and write it to the file

--makemessage

Create the boot message file and display it

--makebcf *bootloader*

Create the boot configuration file for this bootloader and display it

--ironic *kernel initrd [BIOS|UEFI] [syslinux|grub|grub2] [/path/to/bootloader]*

Create a bootable ISO image using the kernel and initrd passed in parameter. If given the image will be UEFI or only BIOS boot mode compliant. You can force the boot loader to use, instead of

using the one of the system, and the binary file to use as this bootloader instead of the one found on your system.

--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

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.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-bootroot.img

mindi boot and root media.

/var/cache/mindi/mindi.iso

mindi bootable ISO image.

SEE ALSO

mondoarchive(8), **mondorestore(8)**.

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

AUTHORS

Bruno Cornec (lead-development) *bruno_at_mondorescue.org* Andree Leidenfrost (co-developer) *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*