



Mondo Rescue: The disaster recovery solution

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Contents

- **What is it ?**
- Backup with mondoarchive
- Restore with mondorestore
- Extended usages
- Future directions



The disaster recovery solution



- Distribution neutral
- Supports any FS accessible by the kernel (including dual boot systems) and boot loader (+LVM, +SW Raid)
- Supports CD-R[W], DVD [-+]R[W], Tapes, NFS, local FS
- Use mindi for mini-distro
- Full, differential backups are supported



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Archiving: mondoarchive

- Uses either bzip2, gzip or lzo for data compression
- Uses afio for reliable backup
- Generates variable size bootable ISO images
- Use running kernel + modules or a generic set
- `/usr/sbin/mondoarchive -O -k /boot/vmlinuz-2.6.14 -p mach1 -E "/usr/share/doc /usr/src /mnt/fs2" -F -N -d / -s 700M -T /home/mondo/tmp -n server.hpintelco.org:/writer/nfs`





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Restoring: mondorestore

- From bootable physical medias (floppy, CDs, tapes), images on disks, network, virtual media (Proliant specific) or PXE
- mindi.iso tool set
- Various modes:
Automatic, Interactive, Selective, Compare
- Ability to change FS type, layout, SW Raid, even HW configuration.





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Proliant features

- With the iLO and Virtual Media function, ability to boot from a central server hosting all ISO images





PXE support

- Using PXE boot ROM, ability to integrate mondo images with a generic deployment server based on pxelinux. (HP Patches)

label mondo

```
kernel kernel/vmlinuz-mondo
```

```
append initrd=initrd/initrd-  
mondo.img ramdisk_size=32768  
rw root=/dev/ram pxe  
prefix=mach1 load_ramdisk=1  
prompt_ramdisk=0
```



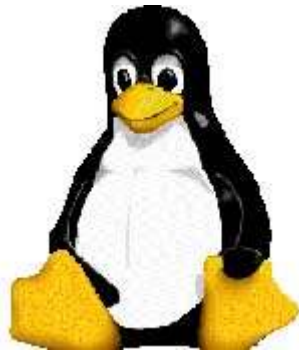


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Which future ?



“World domination
(Linus Torvalds)”

- IA-64 port
- Better cciss support
- Better PXE support
- Integration of all HP patches in the core product (stable version)
- New Mindi rewritten in perl
- Code and build environment cleanup



Web Resources

- Mondo Rescue main site
<http://www.mondorescue.org>
- BerliOS version
<http://mondorescue.berlios.de>
- Busybox
<http://www.busybox.org>
- Mondo presentation of J. Keating
<http://www.j2solutions.net/mondopres.pdf>



“The evolution of FLOSS and the Internet are tightly coupled”



Contact

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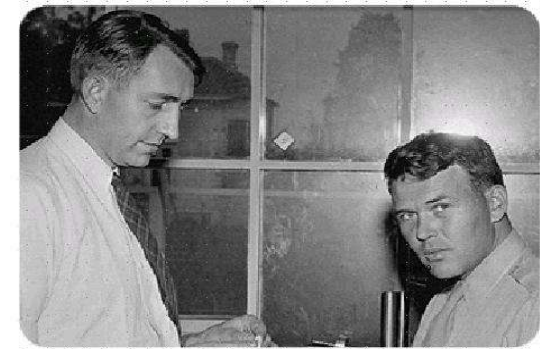
<http://www.hp.com/linux>

”Changes are never easy to
make.

There is comfort and safety in
tradition, but change must
come, no matter how painful
or expensive it may be.”

Bill Hewlett

Thanks



Linus Torvalds, Richard
Stallman, Eric Raymond, Nat
Makarevitch, René Cougnenc,
Eric Dumas, Rémy Card, Mike
Balma, Hugo Rabson, Gallig
Renaud among others, for their
work and devotion to the Open
Source Software cause... and my
family for his patience :-)