

Partclone

```
Partclone
Please wait...
Partclone v0.1.0 (Rev:235M) partclone.org, partclone.nchc.org.tw
Starting clone device (/dev/hda6) to image (test)
File system: EXTFS
Device size: 5380 MB
Space in use: 230 MB
Block size: 4096 Byte
Used block count: 55912

Elapsed: 00:00:17
Remaining: 00:00:28
Rate: 305.03MB/min

38% 37.74%
```

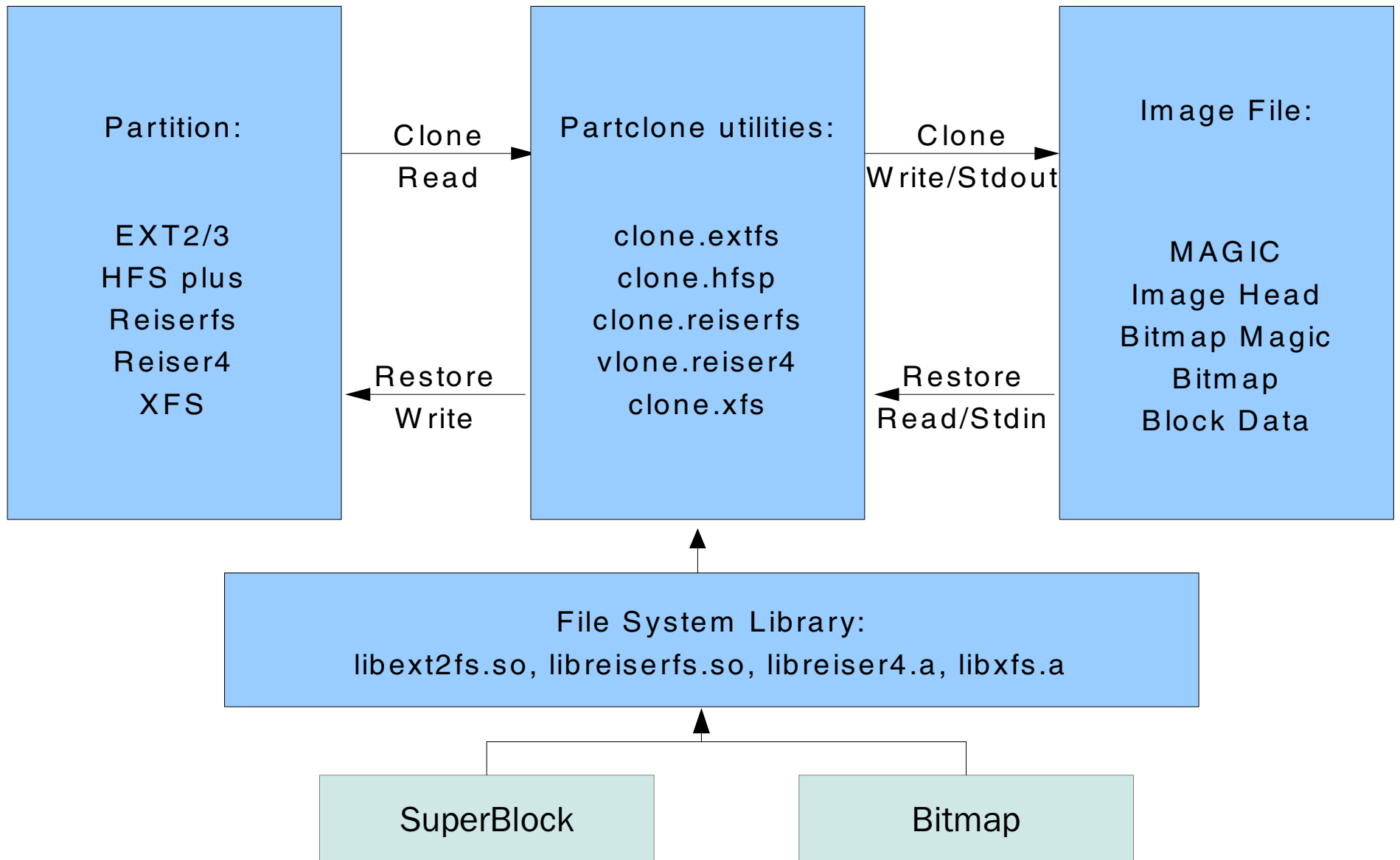
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Partclone - 開發源起

- 備份方式比較
 - 檔案複製：copy, tar, rsync 等工具
 - 區塊複製：partimage, ntfscclone 等專案
- 相關專案探討
 - Partimage
 - LinuxNTFS-ntfscclone
 - Fsarchiver
 - Xfsdump

Partclone - 軟體架構



Patrclone

- Official File System Library:
 - E2fsprogs, libreiserfs, reiser4progs, ntfsprogs(ntfs-3g)
 - Official File System Utilities:
 - btrfs-tools, xfsprogs, jfsutils, ufsutilies, vmfstools
 - Others way
- partclone.btrfs
 - partclone.ext2 / 3 / 4
 - partclone.fat32 / 12 / 16
 - partclone.hfsp
 - partclone.jfs
 - partclone.ntfs
 - partclone.reiserfs
 - partclone.reiser4
 - partclone.ufs (with SU+J)
 - partclone.vmfs (v3 and v5)
 - partclone.xfs

Basic Clone/Restore Options

- Source, -s
- Output, -o -O, -W
- Logfile, -L
- -c | -r , clone | restore
- Dev to dev, -b
- Domain file, -D
- Rescue, -R
- Debug, -d[1|2|3]
- Ncurses, -N
- Quiet, -q
- Offset, -E
- Version, -v
- Help, -h

Advanced Clone/Restore Options

- Progress Message
 - Detail, -B
 - Time, -f
- Buffer Size, -z
1048576
- Force/Ignore error
 - Force, -F
 - Ignore fsck, -l
 - Ignore crc, -i
 - Size, -C
- Clone, -c
- Restore, -r
- Dev to dev, -b
- Domain, -D

Other Partclone Utilities

- Check image file
 - Partclone.chkimg
- Display Image Information
 - Partclone.info
- Dd
 - Partclone.dd
 - Partclone.imager
- Special Issue
 - PIPE
 - Library
 - FS Manual
 - Source
 - Package

Partclone-Utills

- Imagemount
 - Mount image file
- <http://www.idealworldinc.com/partclone-utills/>
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Partclone - 檔案系統

Linux	BTRFS	Btrfs-tools	Partclone.btrfs
	Minix	X	Partclone.minix
	EXT2/EXT3/EXT4	e2fsprogs	Partclone.extfs
	ReiserFS	libreiserfs	Partclone.reiserfs
	Reiser4	reiser4progs	Partclone.reiser4
	XFS	xfslibs	Partclone.xfs
	JFS	jfsutils	Partclone.jfs
Windows	NTFS	NTFS-3G (ntfsprogs)	Partclone.ntfs
	FAT	X	Partclone.fat
	exFAT		X
MAC OS X	HFS-Plus	X	Partclone.hfsp
FreeBSD	UFS2	ufsutilies	Partclone.ufs
vSphere	VMFS	vmfstools	Partclone.vmfs

Partclone – 開發工具

- 使用 C 程式語言
- 使用 GNU Autotools 工具開發
- 搭配 git-hub & sourceforge 整合目標與除錯
- 搭配 git 紀錄開發程式
- 其他開發工具：
 - vim, screen, ctags, cscope...
- 除錯工具
 - gdb, mtrace, ...

Partclone - 取得

- Distributions
 - Debian: Sid, weezy
 - ~~Ubuntu ppa~~
 - ~~Mandrake~~
 - ArchLinux
 - PartitionMagic
 - Clonezilla-Live
 - DRBL-Live
- SourceForge
- GitHub
- <http://partclone.org>
[en]
- <http://partclone.nchc.org.tw>
[zh-TW]

Q&A

Thank You