VxFS Commands

SETTING UP A FILE SYSTEM

Action	Command Line
Make a VxFS file system	`mkfs -F vxfs [generic_options] [-o vxfs_options] char_device [size]`
Mount a file system	`mount -F vxfs [generic_options] [-o vxfs_options] block_device mount_point`
Unmount a file system	`umount mount_point`
Determine file system type	`fstyp [-v] block_device`
Report free blocks/inodes	`df -F vxfs [generic_options] [-o s] mount_point`
Check/repair a file system	`fsck -F vxfs [generic_options] [y|Y] [n|N] character_device`

ONLINE ADMINISTRATION

Action	Command Line
Resize a file system	`fasdm [-b newsize] [-r raw_device] mount_point`
Dump a file system	`vxdump [options] mount_point`
Restore a file system	`vxrestore [options] mount_point`
Create a snapshot file system	`mount -F vxfs -o snapof=source block device,[snapsize=size] destination_block_device snap_mount_point`
Create a storage checkpoint	`fsckptadm [-nruv] create ckpt_name mount_point`
List storage checkpoints	`fsckptadm [-clv] list mount_point`
Remove a checkpoint	`fsckptadm [-sv] remove ckpt_name mount_point`
Mount a checkpoint	`mount -F vxfs -o ckpt=ckpt name pseudo device mount_point`
Unmount a checkpoint	`umount mount_point`
Change checkpoint attributes	`fsckptadm [-sv] set [nodata|nomount|remove] ckpt_name`
Upgrade the VxFS layout	`vxupgrade [-n new_version] [-r raw_device] mount_point`
Display layout version	`vxupgrade mount_point`

DEFRAGMENTING A FILE SYSTEM

Action	Command Line
Report on directory fragmentation	`fsadm -D mount_point`
Report on extent fragmentation	`fsadm -E [-l largesize] mount_point`
Defragment directories	`fsadm -d mount_point`
Defragment extents	`fsadm -e mount_point`
Reorganize a file system to support files > 2GB	`fsadm -o largefiles mount_point`

INTENT LOGGING, I/O TYPES, AND CACHE ADVISORIES

Action	Command Line
Change default logging behavior	`fsck -F vxfs [generic_options] -o delaylog|tmplog|nodatainlog|blkclear block_device mount_point`
Change how VxFS handles buffered I/O operations	`mount -F vxfs [generic options] -o mincache=closesync|direct|dsync|unbuffered|tmpcache block_device mount_point`
Change how VxFS handles I/O requests for files opened with `O_SYNC` and `O_DSYNC`	`mount -F vxfs [generic_options] -o convosync=closesync|direct|dsync|unbuffered|delay block_device mount_point`

QUICK I/O

Action	Command Line
Enable Quick I/O at mount	`mount -F vxfs -o qio mount_point`
Disable Quick I/O	`mount -F vxfs -o noqio mount_point`
Treat a file as a raw character device	`filename::cdev:vxfs:`
Create a Quick I/O file through a symbolic link	`qiomkfile [-h header_size] [-a] [-s size] [-e|-r size] file`
Get Quick I/O statistics	`qiostat [-i interval][-c count] [-l] [-r] file`
Enable cached QIO for all files in a file system	`vxtunefs -s -o qio_cache_enable=1 mnt_point`
Disable cached QIO for a file	`qioadmin -S filename=OFF mount_point`