

## Advanced VxVM Commands

### SUBDISK OPERATIONS

Action	Command Line
Create a subdisk	<code>vxmake -g diskgroup sd subdisk_name diskname offset length</code>
Remove a subdisk	<code>vxedit -g diskgroup rm subdisk_name</code>
Display subdisk information	<code>vxprint -st</code> <code>vxprint -l subdisk_name</code>
Associate a subdisk to a plex	<code>vxsd assoc plex_name subdisk_name</code>
Dissociate a subdisk	<code>vxsd dis subdisk_name</code>

### PLEX AND VOLUME OPERATIONS

Action	Command Line
Create a plex	<code>vxmake -g diskgroup plex plex_name sd=subdisk_name,...</code>
Associate a plex (to a volume)	<code>vxplex -g diskgroup att vol_name plex_name</code>
Unmirror a volume (remove a plex)	<code>vxplex -o rm dis plex_name</code>
Start/stop volumes	<code>vxvol {start stop} vol_name</code>
Start/stop all volumes	<code>vxvol {startall stopall}</code>
Recover a volume	<code>vxrecover -sn vol_name</code>
Detach a plex	<code>vxplex -g diskgroup det plex_name</code>
Attach a plex	<code>vxplex -g diskgroup att vol_name plex_name</code>
Change state flags on plex	<code>vxmend fix {active clean stale} plex_name</code>
Turn plex online/offline	<code>vxmend {on off} plex_name</code>
Set FastResync flag on a volume	<code>vxvol set fastresync=on vol_name</code>

### BENCHMARKING OPERATIONS

Action	Command Line
Count and size of VxVM disk I/Os completed per sample time slice to a volume	<code>vxstat -g diskgroup [-i interval] [-c count] -d vol_name</code>
VxVM I/O trace information—dump to file and read from file	<code>vxtrace -g diskgroup [-t duration] -d [filename] -o dev,disk vol_name;</code> <code>vxtrace -l -f /tmp/tracedata   pg</code>
Sample I/O load with statistics—sequential	<code>vxbench -w {read write} -i iosize=size,iocount=count filename</code>
Sample I/O load with statistics—random	<code>vxbench -w {rand_read rand_write} -i iosize=size,iocount=count, maxfilesize=size filename</code>

### TUNING OPERATIONS

Action	Command Line
View currently set VxVM kernel parameters	Example: View the current setting for the kernel parameter <code>vol_max_vol</code> : <code># echo 'vol_max_vol/D'   adb -k</code>
Change VxVM kernel parameters	Example: Change the VxVM kernel parameter <code>vol_max_vol</code> from the current value to a new value of 2048 by adding the parameter to the <code>/etc/system</code> file: <code># set vxio: vol_max_vol=2048</code> Then, reboot the system.