

Solaris Volume Manager Commands



Metadevice State Database (Replicas)

Action	Command Line
List configured metadb's	<i>metadb or metadb -i</i>
Creating Initial Replicas	<i>metadb -af -c 3 c0t0d0s7 c1t0d0s7 c2t0d0s7 (-c 3 means 3 copies in each disk slice)</i>
Adding Replica	<i>metadb -a [-f] c3t0d0s7</i>
Deleting Replica	<i>metadb -d [-f] c2t0d0s7</i>

Metaset Operations

Action	Command Line
Create a metaset	<i>metaset -s [setname] -a -h host1 host2</i>
Add a disk to metaset	<i>metaset -s [setname] -a /dev/dsk/c4t0d0</i>
Remove a disks from metaset	<i>metaset -s [setname] -d [-f] /dev/dsk/c4t0d0 /dev/dsk/c5t0d0</i>
Configuration/Status of metaset	<i>metaset or metaset -s [setname]</i>
Take ownership of metaset	<i>metaset -s [setname] -t [-f]</i>
Release ownership of metaset	<i>metaset -s [setname] -r</i>
Interact without Sun Cluster framework *	<i>metaset -s [setname] -C {take release purge}</i>
Add mediator host to metaset *	<i>metaset -s [setname] -a -m host1 host2</i>
Create a multi-owner metaset *	<i>metaset -s [setname] -M -a -h host1 host2</i>
Join the host to multi-owner metaset *	<i>metaset -s [setname] -j</i>
Withdrawn the host from multi-owner metaset *	<i>metaset -s [setname] -w</i>
Purge a metaset	<i>metaset -s [setname] -P</i>

* Commands for Sun Cluster only!

Metadevice Operations

Action	Command Line
Status of metadevice	<i>metastat or metastat -p</i>
Create all metadevices	<i>metainit -a</i> (reads the configuration of /etc/lvm/md.tab)
Stripe with 3 slices	<i>metainit d1 1 3 c2t0d0s0 c3t0d0s0 c4t0d0s0 -i 32k</i>
Concat with 2 slices	<i>metainit d1 2 1 /dev/dsk/c2t0d0s0 1 /dev/dsk/c3t0d0s0</i>
Raid5	<i>metainit d1 -r c2t0d0s0 c3t0d0s0 c4t0d0s0</i>
Mirror of metadevice d1	<i>metainit d0 -m d1</i>
Create Soft Partition on metadevice d0	<i>metainit d10 -p d0 5000M</i>
Create Soft Partition on disk slice	<i>metainit d10 -p c5d0d0s0 1000M</i>
Validate Soft Partition configuration	<i>metarecover c5d0d0s0 -p</i>
Delete a metadevice	<i>metaclear [-f] [-r] d0</i>
Replace a drive with the same drive	<i>metareplace -e <mirror> <component> metareplace -e d0 /dev/dsk/c2t0d0s0</i>
Replace a drive with another drive	<i>metareplace <mirror> <component> <new-device> metareplace d0 /dev/dsk/c2t0d0s0 /dev/dsk/c6t0d0s0</i>
Add a submirror to mirror	<i>metattach <mirror> <submirror> metattach d0 d2</i>
Remove a submirror from the mirror	<i>metadetach [-f] <mirror> <submirror> metadetach d0 d2</i>
Place submirror offline	<i>metaoffline [-f] <mirror> <submirror> metaoffline d0 d2</i>
Place submirror online	<i>metaonline <mirror> <submirror> metaonline d0 d2</i>
Setup system files for /	<i>metaroot d0</i> (only for boot mirror)

Notes: - For all meta commands use option “-s [setname]” if using metasets.
 - Also for metadb command to configure metadb's for metasets.
 - In case of Sun Cluster use /dev/did/dsk/... instead of /dev/dsk/...