SVM: tearing down and putting back a RAID 5 on the same system?

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Hi folks.

I have a mail server that currently has its mail spool on 3 disks in a RAID 5 with one hot spare.

We need to replace it with 2 larger disks in a mirror − not a root mirror, just a plain old mirror. It probably goes without saying that I want to minimize downtime on this server.

To do this, I've been planning to tear down the RAID 5, remove those disks, and set up a mirror in the now−unoccupied drive bays. The tearing−down commands I had in mind are:

metadb −f −d /dev/dsk/c0t8d0s7
metadb −f −d /dev/dsk/c0t10d0s7
metadb −f −d /dev/dsk/c0t12d0s7
metaclear −f hsp001
metaclear −f /dev/md/dsk/d6

....or perhaps just:

metaclear −f −r /dev/md/dsk/d6

My question is this: If for some reason the new root mirror doesn't work out, is there a way to set the unchanged four disks in the RAID 5 back up again, without losing the data that is on them? And are they truly "unchanged" if I run the commands above? "metaimport −r" seems to think they aren't importable on my test system, after running the metaclear −r above.

Can disksets do this (tear down and put back without data loss)? And if so, is this a Solaris 10−only feature? I'm doing this on Solaris 8 10/01.

Thanks!

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