

# ZFS disc replace

## faulty special device

Consider hddpool with special device as mirrors on 2 SSD partitions:

NAME	CKPOINT	EXPANDSZ	FRAG	CAP	DEDUP	HEALTH	SIZE	ALLOC	FREE
hddpool							1.83T	294G	1.55T
- mirror-0	-	22%	15%	1.00x	DEGRADED	-	1.81T	291G	1.53T
- ata-TOSHIBA_HDWD120_81842ZHGS	-	22%	15.7%	-	ONLINE		1.82T	-	-
- ata-ST2000DM008-2FR102_WFL5BSR0	-	-	-	-	ONLINE		1.82T	-	-
- special	-	-	-	-	ONLINE		-	-	-
- mirror-2	-	-	-	-	-		20G	2.94G	17.1G
- ata-SSDPR-CX400-128-G2_GY2015459-part8	-	30%	14.7%	-	DEGRADED		20.1G	-	-
- ata-SPCC_Solid_State_Disk_30041226481-part8	-	-	-	-	ONLINE		20.1G	-	-
-	-	-	-	-	FAULTED				

to provide redundancy add any storage to special device mirror-2 to turn it into 3-way mirror with one faulty device:

```
zfs create -V 21g nvmpool/special
zpool attach hddpool ata-SPCC_Solid_State_Disk_30041226481-part8
/dev/zvol/nvmpool/special
```

Now it can wait for new disc.

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