

Freitag, 19. September 2008

ZFS Root Mirror

This is a simple Tutorial how you can create a bootable ZFS Root Mirror with Opensolaris. I had some help from both Opensolaris-Forums (com/org) and this Blog from [Malachi](#).

And here we go with the Tutorial:

Making a bootable ZFS Root Mirror

1. Install Opensolaris to Disk A (**c3d0s0**).

2. Format Disk B (**c3d1s0**) properly:

```
host:# format
```

(choose fdisk)

(create 100% Standard Solaris Partition over the full Disk)

3. Overwrite the Diskformat properly:

```
host:# prtvtoc /dev/rdisk/c3d0s2 | fmthard -s - /dev/rdisk/c3d1s2
```

(NOTE: **s2!** on BOTH Disks)

4. Attach Disk B to the ZFS Root Pool:

```
host:# zpool attach -f rpool c3d0s0 c3d1s0
```

5. Install the GRUB-Stuff to Disk B:

```
host:# installgrub -m /boot/grub/stage1 /boot/grub/stage2  
/dev/rdisk/c3d1s0
```

6. Test the worst Case: Disk A fails, you can still boot into Disk B

- Remove Disk A

- Replace it with an empty Disk C

- Start the System: Choose to boot from Disk B in the Bios

- Repeat Steps 2. till 5. for Disk C (swap **c3d0s0** and **c3d1s0**)

- Start the System like before (from Disk C)
