

SUMMARY: StorEdge 6120 arrays, ZFS and Solaris 10 6/06

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- *From:* "Hutten, Rob" <Rob.Hutten@xxxxxxxxxxxxxxxx>
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Managers,

The solution was to issue the "stmsboot -e" command to enable multipathing. After the reboot, my 6120s appear as single c10t[WWN]d0 devices as desired.

Many thanks to Kenneth Hwang, Victor Engle, Darren Dunham and Alex Madden for their helpful responses.

Cheers,
-Rob

Managers,

We just installed Solaris 10 6/06 on our E20K. We have two StorEdge 6120 arrays directly attached (ie no SAN switch) to the E20K on which we wish to build a single ZFS filesystem.

On our previous Solaris 9 installation, the 6120s' luns were configured with the SAN Foundation Kit (by a former sysadmin) and showed up as two devices under format:

```
6. c10t60003BA4E851B0004090E5F2000C089Ed0 <SUN-T4-0301 cyl
34916 alt 2 hd 160 sec 256>
/scsi_vhci/ssd@g60003ba4e851b0004090e5f2000c089e
7. c10t60003BA4E851B0004090E62000063B7Dd0 <SUN-T4-0301 cyl
34916 alt 2 hd 160 sec 256>
/scsi_vhci/ssd@g60003ba4e851b0004090e62000063b7d
```

The filesystems were then simply mounted on the c10t[WWN]d0 devices.

Under our new Sol10 installation, the 6120s show up as four devices; I assume this is because they're dual-path'd:

```
3. c1t2d0 <SUN-T4-0301 cyl 34916 alt 2 hd 160 sec 256>
/pci@1c,600000/SUNW,qlc@1/fp@0,0/ssd@w20030003ba4e8518,0
```

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4. c1t2d1 <SUN-T4-0301 cyl 34916 alt 2 hd 160 sec 256>
/pci@1c,600000/SUNW,qlc@1/fp@0,0/ssd@w20030003ba4e8518,1
8. c3t1d0 <SUN-T4-0301 cyl 34916 alt 2 hd 160 sec 256>
/pci@3c,600000/SUNW,qlc@1/fp@0,0/ssd@w20030003ba4e851b,0
9. c3t1d1 <SUN-T4-0301 cyl 34916 alt 2 hd 160 sec 256>
/pci@3c,600000/SUNW,qlc@1/fp@0,0/ssd@w20030003ba4e851b,1

I know the SAN Foundation Kit has been incorporated into the Sol10 base install, and I suspect – but lack sufficient disk-fu to fully understand – that I need to build two new cXtXdX devices for my zpool using... luxadm? Or is there new ZFS tools to do this? Or... ?

As I probably have the only E20K environment in the world without a support contract (don't get me started), I throw myself upon the mercy of this list for assistance. How should I build a raidz across these 6120s? "zpool create" wants device names including the slice...

Many thanks in advance. I'll summarize in the usual manner.
–Rob

Rob Hutten
Research Informatics Team
NRC Institute for Marine Biosciences
1411 Oxford St., Halifax NS
902.426.6773
Rob.Hutten@xxxxxxxxxxxxxxxx

sunmanagers mailing list
sunmanagers@xxxxxxxxxxxxxxxx
<http://www.sunmanagers.org/mailman/listinfo/sunmanagers>