

SUMMARY: Metadisk and data retrieval

Source: <http://unix.derkeiler.com/Mailing-Lists/SunManagers/2003-12/0022.html>

From: Martin de Koning (martindk_at_trinity.sa.edu.au)

Date: 12/02/03

To: sunmanagers@sunmanagers.org

Date: 02 Dec 2003 15:42:49 +1030

Original question follows.

Lots of out of office replies.

The following solution from Eugene and John did allow me to mount the metadvice. There were problems with listing permissions and not everything was accessible. In my case it was not good enough to be worth retrieving the data and it was un-fsckable to get it into any better shape.

Thanks John & Eugene

From:
Eugene Schmidt
<fereug@acute.co.za>

To:
Martin de Koning
<martindk@trinity.sa.edu.au>

Subject:
RE: Metadisk and
data retrieval

Date:
Mon, 1 Dec 2003
09:49:02 +0200

Hi

My guess is that you "could" do. I would do something like the following:

```
metaclear d0
```

```
metainit d0 2 1 c0t1d0s5 \  
1 c0t2d0s5
```

```
mount -o ro /dev/md/dsk/d0 /export/home
```

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You should be able to see the first lot of data, however be prepared for errors.

Another factor would be how full the disk was. If all 3 were of equal size and you used more than 66% of the total size, we would be using the 3rd disk. However, even so, if I was writing a large file, that would fragment on the first two, it would write to the 3rd. This file could also be an updated version of a previous that has grown.

Do not try while people are on the system, you could get a panic or two.

Regards

Eugene

From:
John Furlong
<jfurlong@dsl.pipex.com>
To:
Martin de Koning
<martindk@trinity.sa.edu.au>
Subject:
Re: Metadisk and data retrieval
Date:
Mon, 01 Dec 2003 09:44:33 +0000

Hello Martin,

What you want MAY be possible, no guarantees. The problem will be with the file system, not the metadvice. The file system will be smaller than it should be so fsck will always fail, but if the file system is clean you will be able to mount it and get your data off.

Here's what you do....

```
metaclear d0  
metainit d0 2 1 c0t1d0s5 1 c0t2d0s5
```

That will get you a smaller d0 back, but as I say any problems will be at the file system level.

Hope this helps,

John.

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On Mon, 2003-12-01 at 16:47, Martin de Koning wrote:

> *Hi,*
>
> *I have a Sun E450 server with Solaris 8 originally set up by someone*
> *else with a metadisk for /export/home*
>
> *Contents of /etc/lvm/md.cf:*
>
> *# metadvice configuration file*
> *# do not hand edit*
> *d0 3 1 c0t1d0s5 \
> 1 c0t2d0s5 \
> 1 c0t3d0s5*
>
> *Now the c0t3d0 disk has failed, rendering the metadisk unusable. But*
> *since it consists of 3 concatenated disks and the data stored on is less*
> *than a 3rd of the available space, I was wondering if it is possible to*
> *reconstruct the data from the two remaining disks?*
>
> *If not I will create a device consisting of the two remaining disks*
> *mirrored.*
>
> *Cheers*
> *Martin*

--
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