

Re: find hdisk given a filename

Source: <http://unix.derkeiler.com/Mailing-Lists/AIX-L/2004-12/0288.html>

From: Leyden, Joseph (*LeydenJ_at_METRO.NET*)

Date: 12/27/04

Date: Mon, 27 Dec 2004 11:26:02 -0800
To: aix-l@Princeton.EDU

Does this mean if there are 10 hdisks in a logical volume
I have no way of finding out where a particular filename reside?

It seems that some lower level command should be able to show this.

Joe

-----Original Message-----

From: Justin Bleistein [mailto:justin.bleistein@TOWERSPERRIN.COM]

Sent: Monday, December 27, 2004 11:11 AM

To: aix-l@Princeton.EDU

Subject: Re: find hdisk given a filename

I'm assuming you mean, you want to know what physical hard disk a file like:
"/etc/hosts" resides on?

To figure that out find out which filesystem the file is on (considering you
know the fully qualified pathname of the file "i.e. - /etc/hosts":

```
# cd /etc
# ls -l hosts
info on hosts file...
#
```

Now check the filesystem you are currently in, the filesystem/directory to
file lives:

```
# df -k .
/dev/hd4 xx xx xx xx xx /
#
```

Now the directory: "/etc/" which lives on filesystem: "/" which sits on
logical volume: "/dev/hd4". Now you must find out
what physical hard disk(s) the "/dev/hd4" logical volume lives on:

```
# lslv -l hd4 (hd4 - being the logical volume name):
```

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```
hdisk0 001:000:000 100% 001:000:000:000:000
hdisk1 001:000:000 100% 001:000:000:000:000
```

Under the PV column will be the name of the hdisk the logical volume: "hd4" resides on. Then just trace that back to the file in the same hierarchy I explained earlier. Now the list of two physical volumes/disks means this logical volume is either mirrored or is sooo big that it spans multiple disks.

Hope this helps.
Thanks.

—Justin Richard Bleistein
AIX Systems Administrator

"Leyden, Joseph" <LeydenJ@METRO.NET>
Sent by: IBM AIX Discussion List <aix-l@Princeton.EDU>

12/27/2004 01:43 PM

Please respond to
IBM AIX Discussion List <aix-l@Princeton.EDU>

To
aix-l@Princeton.EDU

cc

Subject
Re: find hdisk given a filename

Is there a command to find out which hdiskXX a particular file belong to?
thank you in advance ...

Joe

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