

[HPADM] RE: Oracle Database on separate physical disks

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From: Daiminger, Helmut (*HELMUT.DAIMINGER_at_wwk.de*)

Date: 12/29/03

To: "'Abramson, Stuart'" <SAbramson@Wabtec.com>, "'Hpux-Admin (hpux-admin@dutchworks.nl)'" <hpux-
Date: Mon, 29 Dec 2003 13:18:48 +0100

Hi Stuart,

the answer is: it all depends... ;)

Of course Oracle performance is better if you distribute your data files across as many disks as possible (as a rule of thumb). But it is important to know the I/O behavior of your application.

If you don't want to do SAME, then make sure that the online and archived redo logs are put on separate physical disks (because of the sequential I/O pattern on them). Data tablespaces usually get random I/O.

If you have an Oracle DBA on site, ask him to find out the database tables that get most of the I/Os. Usually, about 10% of the tables get 95% of the I/Os. Then you can think about moving some specific tables to different physical disks.

hth,
Helmut

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

From: Abramson, Stuart [mailto:SAbramson@Wabtec.com]

Sent: Monday, December 22, 2003 7:07 PM

To: Hpux-Admin (hpux-admin@dutchworks.nl); EMC List (E-mail) (emc_list@yahoogroups.com)

Subject: [HPADM] Oracle Database on separate physical disks

All:

We had some performance problems recently and discovered that one of our Oracle Databases, although carefully distributed across some 35 different HyperVolumes, was actually jammed onto only 5 EMC physical disks.

(We filled out Symmetrix frame in "chuncks", 50 disks on initial delivery, 20 more, 20 more, etc..)

HP-UX-Admin: [HPADM] RE: Oracle Database on separate physical disks

Now, I know that all reads and writes from cache. But is there any value in actually distributing the Oracle Database file systems across separate PHYSICAL DISKS.

Please don't tell me about Oracle SAME (Stripe and Mirror Everything). We're NOT interested in doing that.

We're also not interested in doing the entire Symm as striped meta-volumes.

Stuart

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