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Subject: Re: chkpnt/restore time

Posted by [Andrey Mirkin](#) on Thu, 09 Aug 2007 08:06:43 GMT

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Hello!

There are different types of memory pages which are used by processes.

We need to save whole pages which are allocated and used, but we need to save only information about allocated pages.

We do not need to save pages which are read-only mapped from files (code sections and other data).

In your examples we have:

1. tmpfs

we have to save this file to dump, because it is stored only in memory and we can't map it from another place later during restore

That is why size of dump file is so huge

2. C-program

it is not clear what your program is doing. Just allocating memory or allocating and clearing it? Can you please post here source code of this test program.

3. mysql

mysql is threaded application and much memory is used for pages with code. We do not save such pages as I wrote above, thus image size is not so huge.

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