

Re: Adding RAM

Source: <http://linux.derkeiler.com/Newsgroups/alt.os.linux.suse/2006-08/msg01342.html>

- *From:* Michael Soibelman <not-here@xxxxxxxxxx>
 - *Date:* Wed, 23 Aug 2006 22:57:03 GMT
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Olav wrote:

Michael Soibelman wrote:

He probably doesn't need the extra swap space with all that RAM, but....in the Oracle installation literature it does say to make the swap space equal to 1.5 times the size of the physical ram so it 'might' be a good idea.

Thanks for the input.

About Oracle, I currently use Mysql for my TM databases but I have been advised that using Oracle will give a considerable speed increase when databases are very large.

I understand that Oracle has a free version now and I have been browsing the Oracle website but I'm unsure of which file(s) to download for a standalone SUSE 10.1 box (AMD64). Maybe you have a pointer?

The installation procedure also seems very complicated but I suppose it will be a nice project during autumn storms :).

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http://home.online.no/~olav.pet/current_view.jpg

Get the XE version. Limited to a 4GB database but that should be adequate for most uses. The rpm is easy to install and you get a nice tutorial to get you started. As for the full on version, yes installation is quite involved... There is a 'howto' page for getting it installed for use with Compiere (open source ERP/CRM). The drawback is that it (Oracle-10g) wants a permanent IP address and you MUST do it all 'carefully'... So try the 'XE' version. At the very least you'll get a good idea what you can do with it. Here's the link to the Oracle-10g + Compiere installation on SuSE 10.1 :

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<http://www.dizwell.com/prod/node/51>

And here's the link to the 'XE' download:

<http://www.oracle.com/technology/software/products/database/xe/htdocs/102xelinsft.html>

I'd recommend installing the 'XE' version. Easy as could be as it's an rpm. Even gives you a menu item in your kde (or Gnome) menu. You'll have it running in minutes.

P.S. To install the full version you'll need a lot of space !! At least 4 or 5 GB !! Also, if you follow the Oracle install guide you'll get to a certain point where you'll fail to get it to work !! But this can be overcome. I spent quite a while trying to get it to work only to give up. Then I found the tutorial I pointed to above and saw the one workaround I needed. Hmmm, as I type this I'm going to look for it. Hold on....

Oh yeah, there it is. Once you get your system prepare for the Oracle install run the installer like this:

```
su - oracle
/home/oracle/osource/database/runInstaller -ignoreSysPrereqs
```

That `-ignoreSysPrereqs` is the almighty "Gosh, I wish I knew that !!" that I needed to get it to install. Then everything went o.k. In fact, let me tell you about that tutorial I pointed to for getting Oracle installed. The person who wrote that article is quite knowledgeable about what he tells you...however, he is rather arrogant, at least in my opinion. I followed his suggestions 'EXCEPT' for the fact that I already had a Linux installation and did not start with a fresh install. Since that was the case and I had tried to work with him on getting my install complete he basically told me to screw myself for not following his instructions to the LETTER !!!! Oh well. I also disagree with his placement of packages during install. I'd suggest sticking with the Oracle instructions !! Also, make absolutely certain, when adding the Oracle user to use this command:

```
useradd -m oracle -g oinstall -G dba
```

As it says in the tutorial:

"The `-m` switch in the `useradd` command is needed on Suse 10 to get a home directory created for the new user. Most other distros create one automatically for you when the user is created, but Suse needs to be forced to do so."

So there you have it. Try the rpm version of Oracle (XE). Easy to install and you'll get menu shortcuts and a nice beginners tutorial. When/if you need the full Oracle DB install just use the Oracle install guide and take

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it one step at a time. You'll need to install packages libaio and libaio-devel as well. Do that first. Then follow the instructions VERY CAREFULLY !!! make sure to use the '-m' switch as I stated above when adding the Oracle user. Make sure, after running that command and the other 3 commands in that section, to check to see that SuSE has created a home directory for that user. That is a must !! And make sure to run the install script with the '-ignoreSysPrereqs' switch or you will not succeed !! Period. That is the one and only step I needed to get from the tutorial I pointed to above. As far as I'm concerned you'd be far better off NOT reading that tutorial and just following the Oracle install guide to the letter remembering to do the libaio install first (SuSE rpm's), making sure to add the Oracle user with the '-m' switch to ensure a home folder is created for this (Oracle) user and giving the extra switch to the install script to ignore system prerequisites. If you do all that you too will get a full on Oracle 10g2 install with no limits and a VERY powerful database....

P.S. I don't mean to be disrespectful of the person providing the previously mentioned tutorial. It was useful to me. The one step to ignore system prerequisites when running the installer was the one thing I could not figure out on my own. Period. However, as I said before, the guy did come off as a bit arrogant/conceded. But then maybe that's because I'm so humble. Just trying to help out my fellow human beings.. :-)

Enjoy.

P.S. #2 : Really, you should try the 'XE' version. It's probably more than enough for most uses. If and when you decide to install the full version and you follow my advice you will feel very proud to have completed this task. I know I did. Knowledge is power.

Good luck.

P.S. #3: I still use MySQL for most database needs. It is quite powerful and is probably all you will need. Also, PostgreSQL is needed by a few Linux programs, so I use that too. I do like Open Source apps and prefer them. However, Oracle does let you use there database for free for non-commercial use. Just read the license terms. Once you learn to use the 'XE' package you will have a good start on becoming an Oracle Database Administrator. And even though I was disappointed with the guy who wrote the Compiere + Oracle installation tutorial (Howard J. Rogers) I do think you would learn a lot by reading his articles regarding Oracle DB at:

<http://www.dizwell.com/prod/>

That's it for now. Bye, bye. (<- A quote from the Mclaughlin Group, which no longer is on the air. What a shame !)

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