

# [HPADM] SUMMARY INstalling Oracle on HP 11.0

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**From:** Eric Hunter (*ehunter\_at\_marsys.com*)

**Date:** 07/29/03

Date: Tue, 29 Jul 2003 08:53:25 -0400

To: "'hpux-admin@dutchworks.nl'" <hpux-admin@dutchworks.nl>

Thanks to all the fine folks who responded to my plea.

It looks like my mistake was assuming that since I was installing a 64bit executable on a 64bit operating system, that I could ignore 32bit OS specific variables in the kernel config!

I had been concentrating on adjusting maxdsize\_64 settings to relieve my make "out of memory" errors as several people had suggested. Alan Riggs suggested:

"What I have found is that the oracle installation itself, regardless of the version, appears to be a 32-bit application. Raise the value of maxdsize and you should be fine."

..and indeed that was it!

Of course, hpux made me raise maxusers and nprocs as well, but a reboot and a ./runInstaller later, I was doin my sysadmin happy dance!

Replys follow:

What I have found is that the oracle installation itself, regardless of the version, appears to be a 32-bit application. Raise the value of maxdsize and you should be fine.

Alan Riggs

Hi Eric,

Not sure if you've gotten any responses on this yet. Take a look at the semaphore and shared memory related kernel parameters. Chances are, they're set too low. There should be some guidelines in the Oracle install guide, but if you don't have that handy, you can go into SAM and load a pre-configured kernel system file. When you're in the Configurable

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Parameters section, go to the Actions menu and go into the Apply Tuned Parameter Set selection. In there, you will see some choices, pick the General OLTP/Database Server selection. You can compare the new parameters to the existing ones before you rebuild the kernel to see what changed in the sem and shm groups of parameters. You will probably see some significant

differences. Hope this helps.

Best regards,  
Chris Medaglia

Hi again Eric,

I do have 64bit Oracle on 64bi 11i. Here the values I have configured:

```
semmap=142
semmni=140
semmns=1000
semmnu=60
semume=64
Semmsl=2048 (I think that may be the default value)
shmmax=1073741824 (0x40000000 hex)
shmmni=512
```

I am running 4 instances of Oracle on the box. Not ideal, but something I have to live with for now. I have 4gb of memory and 4gb of swap configured on the box. I don't think I limit the amount of swap/memory the oracle account can use (per se), but the ulimit on the account is 4194303. I believe having ulimit set too low may cause the out of memory error, too.

Hope this helps...let me know if you want/need anything else.

joe

Eric Hunter wrote:

```
> I'm trying to complete an initial install of Oracle 8.1.7 on HPUX 11.0
> and keep running into problems on the ins_rdbms linking phase. Ther
> error I get is "Out of Memory" in $ORACLE_HOME/install/make.logwhile
> making ins_rdbms.mk install. I did some research and checked the size of
> maxtsize_64 and maxdsize_64 and both are set above 1gb. I added swap to
> 1.2gb on 512mb of RAM, and I downloaded and installed every patch I
> could find at itrc matching oracle as a keyword (about 1.2gb worth) and
> I still cant get past this error.
>
> Has any one out there conquered this problem before?
```

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---> Please post QUESTIONS and SUMMARIES only!! <---

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