

Oracle9i,Apache,PHP4,Zend Optimizer

(Woody)

1. . <http://otn.oracle.com/> Download .
lnx_920_disk1.cpio.gz, lnx_920_disk2.cpio.gz(2), lnx_920_disk3.cpio.gz .

```
zcat lnx_920_disk1.cpio.gz | cpio -idmv
zcat lnx_920_disk2.cpio.gz | cpio -idmv
zcat lnx_920_disk3.cpio.gz | cpio -idmv
```

2. Disk1 Disk2 Disk3 가 .
mkisofs Disk1
Disk2 Disk3 iso cd .
(http://rpmfind.net mkisofs .)
mkisofs -r -o / / img /
/moviez/movie.avi iso
mkisofs -r -o /cd-img/movie.img /moviez/ .
iso (Dual)
mount cd .
CD gui ./runInstaller
cd 가 root umount
cd mount .
text /mnt/cdrom ./runInstaller cd .

3.
RPM : gcc-3.2-7 5
cpp-3.2-7 1
glibc-devel-2.2.93-5 4
kernel-headers-2.4.19-5cl 3
binutils-2.13.90.0.2-2 2
Linking Library 가 . RPM
RPM Linking Invoke . RPM

```
4.   가   java.sun.com   JDK
     /usr/local/
     ln -s /usr/local/j2sdk1.4.1_01 /usr/local/java
profile
```

```
# /etc/profile
```

```
# For Java
```

```
export JAVA_HOME= "/usr/local/java "
export PATH=$JAVA_HOME/bin:.$PATH
```

```
(   Path   가   가
export PATH=$JAVA_HOME/bin:.$PATH )
```

```
source /etc/profile
```

```
java -version
```

```
5.
```

```
include/linux/sem.h
```

```
#define SEMMNI 128 /* <= IPCMNI max # of semaphore identifiers */
#define SEMMSL 250 /* <= 8 000 max num of semaphores per id */
#define SEMMNS (SEMMNI*SEMMSL)
/* <=INT_MAX max # of semaphores in system */
#define SEMOPM 128 /* <= 1 000 max num of ops per semop call */
#define SEMVMX 32767 /* <= 32767 semaphore maximum value */
#define SEMAEM SEMVMX /* adjust on exit max value */
```

```
(include/linux/)
```

```
shm.h
```

```
#define SHMMAX 0x80000000 /* max shared seg size (bytes) */
#define SHMMIN 1 /* min shared seg size (bytes) */
#define SHMMNI 4096 /* max num of segs system wide */
```

```
#define SHMALL (SHMMAX/PAGE_SIZE*(SHMMNI/16))
/* max shm system wide (pages) */
#define SHMSEG SHMMNI          /* max shared segs per process */
```

6. , dba
oracle
onstall dba

```
groupadd oinstll
groupadd dba
useradd -g oinstall -G dba oracle
passwd oracle
```

```
oracle:oinstall
mkdir /Oracle
chown -R oracle.oinstall /Oracle
```

UniversalInstaller 가 oracle
Root Oracle Access . oracle

7. /home/oracle .bash_profile 가 .

Oracle Environment

```
export ORACLE_BASE=/Oracle =>
export ORACLE_HOME=/Oracle/product/9.2.0 =>
```

```
export ORACLE_SID=<oracle_sid>
=> SID . SID madhwang
' export ORACLE_SID=madhwang'
```

```
export NLS_LANG=AMERICAN_AMERICA.US7ASCII KO16KSC5601
export ORA_NLS33=$ORACLE_HOME/ocommon/nls/admin/data
LD_LIBRARY_PATH=$ORACLE_HOME/lib:/lib:/usr/lib
LD_LIBRARY_PATH=$LD_LIBRARY_PATH:/usr/local/lib
export LD_LIBRARY_PATH
```

Set shell search paths

export PATH=\$PATH:\$ORACLE_HOME/bin

#CLASSPATH

CLASSPATH=\$ORACLE_HOME/JRE:\$ORACLE_HOME/jlib:\$ORACLE_HOME/rdbms/jlib

CLASSPATH=\$CLASSPATH:\$ORACLE_HOME/network/jlib

export CLASSPATH

oracle Disk1 runInstaller .
UNIX Group Name oinstall . dba oinstall

Available Products Product Languages 가 . Database
identification SID 가 .

SID Global Database Name .
SID 가 madhwang Global Database Name()

madhwang.nobelprize.co.kr

SET . US7ASCII .
K016KSC5601 . Table

8. 가 .

"Error in invoking target install of makefile

/Oracle/product/9.2.0/ctx/lib/ins_ctx.mk"

가 /Oracle/product/9.2.0/ctx/lib/env_ctx.mk INSO_LINK
\$(LDLIBFLAG)dI 가 .

INSO_LINK = -L\$(CTXLIB) \$(LDLIBFLAG)m \$(LDLIBFLAG)dI \$(LDLIBFLAG)sc_ca \$(LDLIBFLAG)sc_fa
\$(LDLIBFLAG)sc_ex \$(LDLIBFLAG)sc_da \$(LDLIBFLAG)sc_ut \$(LDLIBFLAG)sc_ch \$(LDLIBFLAG)sc_fi \$(LLIBCTXHX)
\$(LDLIBFLAG)c -Wl,-rpath,\$(CTXHOME)lib \$(CORELIBS) \$(COMPEOBS)

Text Editor 가

\$(LDLIBFLAG)dI

retry . retry

SQL> **connect / as sysdba**

Connected to an idle instance.

SQL> **startup**

ORACLE instance started.

Total System Global Area 235999352 bytes

Fixed Size 450680 bytes

Variable Size 201326592 bytes

Database Buffers 33554432 bytes

Redo Buffers 667648 bytes

Database mounted.

Database opened.

SQL> **connect / as sysdba**

Connected.

SQL> shutdown immediate

Database closed.

Database dismounted.

ORACLE instance shut down.

SQL>

oracle

.

가 .

dbastudio

oracle

X

Net Configuration Assistant netca, dbastudio /Oracle/product/9.2.0/bin

oemapp

oemapp

9. 가

가 ,

dbastudio

=====

```

#Auto Listener Start
export ORACLE_BASE=/Oracle
export ORACLE_HOME=/Oracle/product/9.2.0
export ORACLE_SID=metaayu
export ORACLE_TERM=xterm
export NLS_LANG=AMERICAN_AMERICA.KO16KSC5601
export ORA_NLS33=$ORACLE_HOME/ocommon/nls/admin/data
LD_LIBRARY_PATH=$LD_LIBRARY:$ORACLE_HOME/lib:/lib:/usr/lib
LD_LIBRARY_PATH=$LD_LIBRARY_PATH:/usr/local/lib
LD_LIBRARY_PATH=$LD_LIBRARY_PATH:$ORACLE_HOME/jdk/jre/lib/i386
LD_LIBRARY_PATH=$LD_LIBRARY_PATH:$ORACLE_HOME/jdk/jre/lib/i386/server
LD_LIBRARY_PATH=$LD_LIBRARY_PATH:$ORACLE_HOME/rdbms/lib:$ORACLE_HOME/lib:$ORACLE_HOME/mgw/lib32
export LD_LIBRARY_PATH

# Set shell search paths
export PATH=$PATH:$ORACLE_HOME/bin

# CLASSPATH:
CLASSPATH=$ORACLE_HOME/JRE:$ORACLE_HOME/lib:$ORACLE_HOME/rdbms/lib:$ORACLE_HOME/mgw/classes/mgw.jar
CLASSPATH=$CLASSPATH:$ORACLE_HOME/jdk/jre/lib/i18n.jar:$ORACLE_HOME/jdk/jre/lib/rt.jar:$ORACLE_HOME/jd
bc/lib/classes12.zip
CLASSPATH=$CLASSPATH:$ORACLE_HOME/jdbc/lib/nls_charset12.zip:$ORACLE_HOME/sqlj/lib/translator.zip:$OR
ACLE_HOME/sqlj/lib/runtime12.zip:$ORACLE_HOME/network/lib
export CLASSPATH

/Oracle/product/9.2.0/bin/lsnrctl start
=====
/etc/init.d/

.

.

Oracle

=====

#!/bin/sh
# Set ORA_HOME to be equivalent to the $ORACLE_HOME
# from which you wish to execute dbstart and dbshut;
#
# Set ORA_OWNER to the user id of the owner of the
# Oracle database in ORA_HOME.

ORA_HOME=/Oracle/product/9.2.0

```

```
ORA_OWNER=oracle
```

```
if [! -f $ORA_HOME/bin/dbstart]
```

```
Configuration Tasks to Perform as the root User
```

```
then
```

```
echo "Oracle startup: cannot start"
```

```
exit
```

```
fi
```

```
case "$1" in
```

```
'start')
```

```
# Start the Oracle databases:
```

```
# The following command assumes that the oracle login
```

```
# will not prompt the user for any values
```

```
su - $ORA_OWNER -c $ORA_HOME/bin/dbstart &
```

```
;;
```

```
'stop')
```

```
# Stop the Oracle databases:
```

```
# The following command assumes that the oracle login
```

```
# will not prompt the user for any values
```

```
su - $ORA_OWNER -c $ORA_HOME/bin/dbshut &
```

```
;;
```

```
esac
```

```
=====
```

```
/etc/init.d/
```

```
PDF
```

```
PDF
```

```
'start')
```

```
'stop'
```

```
( ' )
```

```
가
```

```
!
```

```
가
```

```
/etc/oratab
```

```
ORACLE_SID:ORACLE_HOME:{Y|N}
```

```
Y:N
```

```
ShutDown
```

```
SID
```

```
DB
```

```
/etc/rcX.d
```

```
lrwxrwxrwx 1 root root      S99Oracle_Listener -> ../init.d/listener_start
lrwxrwxrwx 1 root root      S99Oracle_Start -> ../init.d/oracle_auto_start
```

```
/etc/rc0.d                                     가
ln -s /etc/init.d/oracle_auto_start /etc/rc0.d/K10oracle_Stop
```

```
oracle_auto_start
oracle 가
/Oracle/product/9.2.0/bin/ lsnrctl
chmod 4751 /Oracle/product/9.2.0/bin/lsnrctl
```

```
oracle@madhwang:~$ lsnrctl start
```

```
LSNRCTL for Linux: Version 9.2.0.1.0 - Production on 07-FEB-2003 21:38:27
```

```
Copyright (c) 1991, 2002, Oracle Corporation. All rights reserved.
```

```
Starting /Oracle/product/9.2.0/bin/tnslsnr: please wait...
```

```
TNSLSNR for Linux: Version 9.2.0.1.0 - Production
```

```
System parameter file is /Oracle/product/9.2.0/network/admin/listener.ora
```

```
Log messages written to /Oracle/product/9.2.0/network/log/listener.log
```

```
Listening on: (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(HOST=madhwang.anyang.ac.kr)(PORT=1521)))
```

```
Connecting to (ADDRESS=(PROTOCOL=tcp)(PORT=1521))
```

```
STATUS of the LISTENER
```

```
-----
```

Alias	LISTENER
Version	TNSLSNR for Linux: Version 9.2.0.1.0 - Production
Start Date	07-FEB-2003 21:38:27
Uptime	0 days 0 hr. 0 min. 0 sec
Trace Level	off
Security	OFF
SNMP	OFF
Listener Parameter File	/Oracle/product/9.2.0/network/admin/listener.ora
Listener Log File	/Oracle/product/9.2.0/network/log/listener.log

```
Listening Endpoints Summary...
```

```
(DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(HOST=madhwang.anyang.ac.kr)(PORT=1521)))
```

```
Services Summary...
```

```
Service "PLSExtProc" has 1 instance(s).
```

Instance "PLSExtProc", status UNKNOWN, has 1 handler(s) for this service...
Service "metaayu.anyang.ac.kr" has 1 instance(s).
Instance "metaayu", status UNKNOWN, has 1 handler(s) for this service...
The command completed successfully

10. PHP

PHP4.3.0, ZendOptimizer2.1, apache 1.3.27 .

1) apache ./configure

2) php

```
./configure --with-oracle --with-oci8 --enable-sigchild --with-apache=../apache_1.3.x
$ make
$ make install
```

3)apache

```
$ ./configure --prefix=/www --activate-module=src/modules/php4/libphp4.a
$ make
$ make install
```

```
$ cd ../php-4.x.y
$ cp php.ini-dist /usr/local/lib/php.ini
```

```
가 /www/conf/httpd.conf 가 .
AddType application/x-httpd-php .php
```

4)Zend Optimizer

```
./install .
가 . Zend , httpd.conf
php.ini .
```

5)php 9i .
/Oracle/product/9.2.0/lib libclntsh.so.9.0 .
libclntsh.so.8.0 .

11. 가 phpinfo() .

This program makes use of the Zend Scripting Language Engine:

Zend Engine v1.3.0, Copyright (c) 1998-2002 Zend Technologies with Zend Optimizer v2.1.0, Copyright (c) 1998-2003, by Zend Technologies

Zend

oci8,oracle,environment,PHP Variables

oci8

OCI8 Support	enabled
Revision	\$Revision: 1.183 \$
Oracle Version	9.0
Compile-time ORACLE_HOME	/Oracle/product/9.2.0
Libraries Used	<i>no value</i>

oracle

Oracle Support	enabled
Oracle Version	9.0
Compile-time ORACLE_HOME	/Oracle/product/9.2.0
Libraries Used	<i>no value</i>

Environment

Variable	
PWD	/
ORACLE_SID	metasyu
CONSOLE	/dev/console
LD_LIBRARY_PATH	/Oracle/product/9.2.0/lib:/lib:/usr/lib:/usr/local/lib:/Oracle/product/9.2.0/pkg/lib/386:/Oracle/product/
PREVLEVEL	N
AUTOBOOT	YES
CLASSPATH	/Oracle/product/9.2.0/JRE:/Oracle/product/9.2.0/lib:/Oracle/product/9.2.0/rdbms/lib:/Oracle/product/9
runlevel	2
ORACLE_BASE	/Oracle
ORACLE_HOME	/Oracle/product/9.2.0
ORACLE_TERM	xterm
SHLVL	3
previous	N
BOOT_IMAGE	2_4_20
ORA_NLS33	/Oracle/product/9.2.0/ocommon/nls/admin/data
TERM	linux
PATH	/usr/local/sbin:/sbin:/bin:/usr/sbin:/usr/bin:/Oracle/product/9.2.0/bin
RUNLEVEL	2
NLS_LANG	AMERICAN_AMERICA.KO16KSC5601
INIT_VERSION	sysinit-2.84
_	/www/bin/httpd

PHP Variables

Lock

```
$ sqlplus /nolog
```

```
SQL> connect / as sysdba
```

```
Sqlplus          Alter          Unlock          .
```

```
SQL> ALTER USER USERNAME IDENTIFIED BY PASSWORD ACCOUNT UNLOCK
```

```
Woody Oracle9i,PHP,Apache .
Sid Oracle9i .
, 가 가 .
20 Woody 가
.
, Sid xinetd 2.3.10 . , Woody 2.3.10
, GLIBC 2.3 .
GLIBC .
8.0 , .
가 .
Oracle9i Installation Guide(PDF .) 252 .
Oracle9i Installation Guide
..^^;
```

1. -Korea Oracle User Group- <http://www.koug.net/>

=> 1 8 ZZOMIST™, .

2. Oracle9i Installation Guide

3. <http://www.phpschool.com>