

Oracle Database on Unix AIX,HP-UX,Linux,Mac OS X,Solaris,Tru64 Unix Operating Systems Installation and Configuration Requirements Quick Reference (8.0.5 to 11.2) [ID 169706.1]

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PURPOSE

This bulletin is produced to provide a central source for all the primary installation settings for the various mainstream unix platforms, e.g. IBM AIX, HP-UX, Sun Solaris, Tru64, and Linux.

Careful comparison of the Installation Guide and the applicable release note for an OS/Oracle version has been done to ensure that this bulletin provides the most complete source of data in hopes that it will save time for each researching analyst.

Keeping the OS kernel current helps stabilize the system. Production systems should never run an out dated OS kernel version. As a best practice, Oracle recommends the OS kernel version be maintained to within 6 months of current. Please contact the OS vendor directly for more information, risk exposure, and patching recommendations.

NOTE: Pre-compilers requirements are no longer addressed in this note, for a single source note that addresses Pre-compiler/Compiler requirements, please refer to:

[Note 43208.1](#) Certified Compilers

SCOPE & APPLICATION

This focus of this bulletin is on assisting the Oracle Unix installation community in resolving installation issues of the RDBMS.

This bulletin places in one document all the pertinent information related to installations that has been extracted from three different documents (Installation Guides, Release Notes, and SRNs)

Community Discussions

Would you like to explore this topic further with other Oracle Customers and Specialists? If so, we encourage you to participate in the friendly discussions at the [Database Install Community](#).

DISCLAIMER

Whenever a contradiction arises between this document and Metalink-Certification, Metalink-Certification is the Certification authority.

Users of this bulletin are obligated to provide real-time corrections/updates in the form of Metalink "Feedback" submissions to ensure the accuracy and up-to-date status of this bulletin.

PRE-INSTALLATION SCRIPTS

A decommissioned, non-supported script is still available to verify that the system has been configured correctly according to the 8.0.5 through 9.2 Installation Guides, please refer to the following Metalink Note for details: [Note 189256.1](#) "UNIX: Script to Verify Installation Requirements for Oracle 8.0.5 to 9.2 versions of RDBMS"

The Remote Diagnostic Agent RDA (see [Note 314422.1](#) for more info on RDA) has the capability to run a Pre-Installation check on several 10.1 and 10.2 Unix/Linux Platforms.

Please refer to [Note 250262.1](#) for specifics on how to run these Pre-Install scripts on your server.

OPatch FAQ

To apply one-off patches and Critical Patch Updates (CPUs) or Patch Set Update (PSU) on 9.2 and higher RDBMS versions you have to use the patching utility, OPatch.

Oracle Support requests you always use the latest version before applying any patches to your server, to get the latest version,

For 9.2 and 10.1 download [Patch 6880880](#)

For 10.2, 11.1 & 11.2 download [Patch 6880880](#)

Master Note For OPatch [Note 293369.1](#)

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
AIX OS (32- and 64-bit stands for Oracle not OS)	AIX 5L V5.3 TL 09 SP1 ("5300-09-01"), 64 bit kernel (Part Number E10854-01), AIX 6.1 TL 02 SP5 ("6100-02-05"), 64-bit kernel	AIX 6.1L, AIX 5L version 5.3, TL 05, Service Pack 06 (Part Number B32076-03), AIX 6L version 6.1, TL 00, Service Pack 04 or later (Part Number B32076-03)	5.2 ML4 or higher, 5.3 ML2 or higher, 6.1, 10.2.0.4.0 & above AIX 5.3 TL5 (5300-05)	5.2 ML1 or higher, 5.3	o 4.3.3 (64bit only) o 5.1, 5.2, 5.3 (5L)(64bit only)	4.3.3 (64bit)	o 4.3.2, 4.3.3 (32bit) o 5.1, 5.2, 5.3 (5L) (32bit) [patch 2896876] is required if kernel is running in 64bit mode] o 4.3.2, 4.3.3 (64bit)	4.3.2, 4.3.3 (32 or 64bit)	o 4.2.1 , 4.3.0, 4.3.1, 4.3.2, 4.3.3 (32bit) o 4.3.2, 4.3.3 (64bit)	o 4.2.1, 4.3.2, 4.3.3 (32bit) o 4.3.2, 4.3.3 (64bit)	o 4.1.4, 4.1.5, 4.2.1, 4.3.2, 4.3.3 (32bit) o 4.3.2, 4.3.3 (64bit)
AIX Disk Space	6.40G Database 1.55G Software	6.45G Database 1.6G Software	1.2G Database 3G Software 1G Companion 150M-1.9G Client	1.2G Database 3G Software 1G Companion 150M-1.9G Client	4.5G	4.7G	1.58G	800Mb	800Mb	700Mb	700Mb
AIX RAM	4GB	1GB	1GB	512Mb 256Mb(Client/Compan)	512Mb	512Mb	256Mb	128Mb	128Mb	64Mb or 128Mb / ConText	32Mb or 128Mb / ConText
AIX swap	Between 1GB and 2GB then 1.5 times RAM Between 2GB and 16 GB then match RAM More than 16 GB then	If RAM = 1024MB to 2048Mb then 1.5 times RAM elseif RAM > 2048MB and < 8192MB then match RAM	If RAM = 1024MB to 2048Mb then 1.5 times RAM elseif RAM > 2048MB and < 8192MB then match RAM	1Gb or match RAM 512Mb(Client/Compan)	1Gb or match RAM	400Mb	400Mb	400Mb	256Mb	2*RAM	2*RAM

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
	16GB RAM	else RAM > 8192MB then .75 times RAM	else RAM > 8192MB then .75 times RAM								
AIX tmp	1GB	240Mb	400Mb	400Mb	400Mb	400Mb	400Mb	400Mb	50Mb	20Mb	20Mb
AIX JDK & JRE	IBM JDK 1.6.0.00 (64 BIT)	IBM JDK 1.5.0.06 (IA64 - mixed mode) is installed	IBM JDK 1.4.2 (32bit) is installed	IBM JDK 1.4.1.2 (32bit) is installed	JDK 1.3.1-build 20020316 & 1.1.8-Build 20020313	JDK 1.2.2.04 or JDK 1.2.2 & 1.1.8	JDK 1.1.8 / 1.2.2 & 1.1.8.3	1.1.8.3	?	n/a	n/a
AIX Patches/ Packages versions in parens mean if OS is later than the listed version, the APAR is built into the later OS version and need not be applied. IMPORTANT: Review Note 390656.1 & apply AIX & Oracle Patch	AIX 6.1 /5.3 required packages: bos.adt.base bos.adt.lib bos.adt.libm bos.perf.libp erfstat 5.3.9.0 or later (AIX 5.3) bos.perf.libp erfstat 6.1.2.1 or later (AIX 6.1) bos.perf.perf stat bos.perf.proc tools rsct.basic.rte rsct.compat.c lients.rte xIC.aix50.rte: 10.1.0.0 or later (AIX 5.3) xIC.aix61.rte: 10.1.0.0 or later (AIX 6.1) gpfs.base 3.2.1.8 or later (Only for RAC)	6.1 / 5.3 ML5 required packages: bos.adt.base bos.adt.lib bos.adt.libm bos.perf.libp erfstat bos.perf.perf stat bos.perf.proc tools xIC.aix50.rte: 8.0.0.7 or later (AIX 5.3) xIC.rte:8.0.0.7 or later (AIX 5.3) xIC.aix61.rte: 9.0.0.1 or later (AIX 6.1) xIC.rte:9.0.0.1 or later (AIX 6.1) rsct.basic.rte (For RAC configuration s only) rsct.compat.c lients.rte (For RAC configuration s only)	5.2 ML4 required packages: IY61313 IY64978 IY63366 IY64691 IY64737 IY65001 IY94343 Note 422031.1 LV Block Corruption 5.3 ML2 required patches: IY58143 IY59386 IY60930 IY66513 IY70159 IY68989 IY94343 Note 422031.1 LV Block Corruption Patch 5496862 is required (See Note 390656.1) if running on AIX 5.3 ML5 IY84780	5.2 required patches: IY43980 IY44810 IY45462 IY45707 IY46214 IY46605 IY48525 IY51801 IY59082 Refer to Note 285158.1 IY94343 Note 422031.1 LV Block Corruption 5.3 required patches: Refer to Note 282036.1 IY58143 IY59386 IY60930 IY94343 Note 422031.1 LV Block Corruption Patch 5496862 is required (See Note 390656.1) if running on AIX 5.3 ML5.	Async IO Hang, refer to Note 233659.1 for applicable patch for 4.3.3, 5.1, or 5.2 4.3.3 required patches/packages: IY30927(4.3.3.0.10) IY24568(4.3.3.0.09) IY25282(4.3.3.0.09) IY27614(4.3.3.0.09) IY30151(4.3.3.0.10) Maint Level 9 or higher (4.3.3.0.09) bos.adt.base bos.adt.lib bos.adt.libm bos.perf.perf stat 5.1(5L) required	Maint Level 7 or higher (4.3.3.0.07) bos.adt.base bos.adt.lib bos.adt.libm bos.perf.perf stat X11.apps.rte X11.apps.xte rm X11.base.rte X11.motif.lib X11.motif.m wm	IY01050 (4.3.3.0.03) IY07276 (4.3.3.0.02) IY05995 (4.3.3.0.1) IY02407 (4.3.2.0.2) IX89087 (4.3.2.0.02) IY03412 (4.3.2.0.02) IX85104 (4.3.2.0.01) IX87313 (4.3.2.0.01) IX87382 (4.3.2.0.01) IX89552 (4.3.2.0.01) IX81863 (4.3.1) IX72696 (4.3.0)	IY01050 (4.3.3.0.03) IY07276 (4.3.3.0.02) IY05995 (4.3.3.0.1) IY07018 (4.3.3) IY02407 (4.3.2.0.2) IX89087 (4.3.2.0.02) IY03412 (4.3.2.0.02) IX85104 (4.3.2.0.01) IX87313 (4.3.2.0.01) IX87382 (4.3.2.0.01) IX89552 (4.3.2.0.01) IX81863 (4.3.1) IX72696 (4.3.0)	4.2 related required APARs IX62429 (4.2.0) IX67174 (4.2.0) IX67978 (4.2.1) IX68932 (4.2.1) IX70737 (4.2.1) IX78933 (4.2.1.0.03) IX81957 (4.2.1.0.03) IX87382 (4.2.1.0.05) IX88178 (4.2.1.0.06) IX81863 (4.3.1) 4.3 related required APARs IX71948 (4.3.0) IX79690 (4.3.0) IX81863 (4.3.1)	bos.adt.base, bos.adt.libm must be installed 4.2 related required APARs IX62429 (4.2.0) IX67174 (4.2.0) IX67978 (4.2.1) IX68932 (4.2.1) IX70737 (4.2.1) IX78933 (4.2.1.0.03) IX81957 (4.2.1.0.03) IX86229 (4.2.1.0.05) IX88178 (4.2.1.0.06) 4.3 related required APARs IX71948 (4.3.0) IX79690 (4.3.0) IX81863 (4.3.1)	bos.adt.base , bos.adt.libm must be installed 4.1 related required APARs IX54124 (4.1.4) IX55203 (4.1.5.0.01) IX62330 (4.1.5) IX58455 (4.1.4) IX61237 (4.1.4) IX67074 (4.1.5) IX61933 (4.1.5) IX70194 (4.1.5) 4.2 related required APARs IX62429 (4.2.0) IX67174 (4.2.0) IX67978 (4.2.1)

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
	<p>Authorized Problem Analysis Reports (APARs) for AIX 5L: IZ42940 IZ49516 IZ52331</p>	<p>5.3 ML5 required patches: IY89080 IY92037 IY94343 IZ01060 or efix for IZ01060 IZ03260 or efix for IZ03260 (IZ03260 for ML6, IZ03475 for ML7) to address ORA-27061 IY84780 IY68989</p> <p>POWER7 Based Hardware Patch 9216848 (Note 1065579.1)</p>	<p>IY68989</p> <p>Important: Please see Note 282036.1 for the latest patching requirements for 5.3 and 5.2</p> <p>Required OS packages: bos.adt.base bos.adt.lib bos.adt.libm bos.perf.perfstat bos.perf.libperfst bos.perf.proctools</p> <p>6.1 specifics: Please download and run an updated version of rootpre.script before proceeding with the Oracle Database install. Internal bug 6613550. 6718715 can be downloaded from MetaLink. Refer to Note 282036.1 for updates on any required patches for</p>	<p>IY84780 IY68989</p> <p>Important: Please see Note 282036.1 for the latest patching requirements for 5.3 and 5.2</p> <p>Required OS packages: bos.adt.base bos.adt.lib bos.adt.libm bos.adt.libm bos.perf.perfstat bos.perf.libperfst bos.perf.proctools X11.motif.lib (Spatial only)</p>	<p>patches/packages: IY26778(5100-01) IY28766(5100-01) IY28949(5100-01) IY29965(5100-02) IY30150(5100-02) IY59082 refer to Note 285158.1 Maint Level 1 and IY22854</p> <p>bos.adt.base bos.adt.lib bos.adt.libm bos.perf.perfstat bos.perf.libperfst bos.perf.proctools bos.perf.libperfst Use the - ignoreSysPre reqs option with runInstaller to ignore the system prerequisite test (Note 293750.1)</p>					<p>(4.3.1) IX87313 (4.3.2.0.01) IX87382 (4.3.2.0.01) IX89087 (4.3.2.0.02)</p>	<p>IX68932 (4.2.1) IX70737 (4.2.1) If running 4.2 then need bos.rte.libc version 4.2.0.5</p> <p>4.3 related required APARs IX71948 (4.3.0)</p>

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
			AIX 6.1								
AIX Kernel Settings	set AIXTHREAD_SCOPE=S in the environment :{Part Number E10839-04) export AIXTHREAD_SCOPE=S	set AIXTHREAD_SCOPE=S in the environment : export AIXTHREAD_SCOPE=S	set AIXTHREAD_SCOPE=S in the environment : export AIXTHREAD_SCOPE=S	set AIXTHREAD_SCOPE=S in the environment : export AIXTHREAD_SCOPE=S	set AIXTHREAD_SCOPE=S in the environment : export AIXTHREAD_SCOPE=S	N/A	N/A	N/A	LINK_CNTRL = L_PTHREADS_D7 (if using 4.3)	LINK_CNTRL = L_PTHREADS_D7 (if using 4.3)	LINK_CNTRL = L_PTHREADS_D7 (if using 4.3)
HP OS (32- and 64-bit stands for Oracle not OS)	HP-UX 11i V3 patch Bundle Sep/ 2008 (B.11.31.080 9.326a) or higher (Part Number E10851-01)	11.23 and 11.31 (Itanium,PA-RISC)	11.11 (PA-RISC) (64bit) 11.23 (PA-RISC) (64bit) 11.23, 11.31 (PA-RISC / Itanium / IPF)	11.11 (PA-RISC) (64bit) 11.23 (PA-RISC) (64bit) 11.23, 11.31 (IA64 - Itanium) Note: for all Itanium systems using "Montecito" processors, refer to note:400227_1 for special installation instructions	11.0 (64bit) 11.11 (64bit) 11.23 (PA-RISC) (64bit) 11.31 (PA-RISC) (64bit)(10/30) 11.22, 11.23, 11.31 (IA64 - Itanium) Note: for all Itanium systems using "Montecito" processors, refer to note:400227_1 for special installation instructions	11.0 (64bit) 11.11 (64bit)	11.0, 11.11(11i) (32bit/64bit)	11.0, 11.11(11i) (32bit/64bit)	11.0, 11.11(11i) (32bit/64bit)	10.20 (32bit) 11.0, 11.11(11i) (32bit/64bit)	10.20 (32bit) 11.0 (32 or 64)
HP Disk Space	1.7G database 6.9 G Software	1.7G Database 6.9G Software	1.2G Database 2.5G Software 1G Companion 150M-1.5G Client	1.2G Database 2.5G Software 1G Companion 150M-1.5G Client	4.5G	3.5G	1.5G	910Mb	900Mb	900Mb	900Mb
HP RAM	4GB	1GB	1GB	512Mb 256Mb(Client/Compan)	512Mb	256Mb	256Mb	128Mb	128Mb	64Mb or 128Mb / ConText	32Mb or 128Mb / ConText

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HP swap	Between 4 GB and 8 GB then 2 times RAM. Between 8 GB and 32 GB then 1.5 times RAM. More than 32 GB then 32 GB RAM.	If RAM = 1GB to 2GB then 1.5 times RAM elseif RAM > 2GB and < 8GB then match RAM else RAM > 8GB then .75 times RAM	If RAM = 1024MB to 2048Mb then 1.5 times RAM elseif RAM > 2048MB and < 8192MB then match RAM else RAM > 8192MB then .75 times RAM	1Gb or match RAM 512Mb(Client/Compan)	1Gb or match RAM	2*RAM	2*RAM	2*RAM	3*RAM	3*RAM	3*RAM
HP tmp	1GB	400Mb	400Mb	400Mb	400Mb	400Mb	75Mb	?	75Mb	50Mb	50Mb
HP jdk & JRE	HPUX JDK 6.0.05, HPUX JDK 5.0.15	Java 1.5.0.0.6 is installed	Java SDK 1.4.2.00 is installed	Java SDK 1.4.2.00 is installed	JDK 1.3.1.02	JDK 1.2.2.07 & 1.1.8	JDK 1.2.2 & 1.1.8.03	1.1.8.10	1.1.7	n/a	n/a
HP Patches/ Packages "s/b" indicates superceded by See Note 43507.1 for other applicable patches.	For HP-UX 11i V3 (11.31): PHCO_40381 11.31 Disk Owner Patch PHKL_38038 VM patch - hot patching/Core file creation directory PHKL_38938 11.31 SCSI cumulative I/O patch PHKL_39351 Scheduler patch : post wait hang PHSS_36354 11.31 assembler patch PHSS_37042 11.31 hppac (packed)	For HP-UX PA-RISC and Itanium 11.23 (Mar '07 Patch bundle for HP-UX 11iV2-B.11.23.0703): PHSS_35979 s/b PHSS_37201 s/b PHSS_37492 s/b PHSS_38134 PHSS_35978 s/b PHSS_36343 s/b PHSS_38140 PHCO_35524 s/b PHCO_36744 PHKL_35478 s/b PHKL_36319 PHCO_36673	Per HP Bug (Doc ID: KBRC000036 27) NOTE: This bug is not applicable to 11.23 The default 64bit OS (PA-RISC and Itanium) installation does not create a few required X library symbolic links. The following symbolic links need to be created: (NOTE: This task is required only if the Motif 2.1 Development	Per HP Bug (Doc ID: KBRC000036 27) NOTE: This bug is not applicable to 11.23 The default 64bit OS installation does not create a few required X library symbolic links. The following symbolic links need to be created: (NOTE: This task is required only if the Motif 2.1 Development Environment	Per HP Bug (Doc ID: KBRC000036 27) NOTE: This bug is not applicable to 11.22,11.23 The default 64bit OS installation does not create a few required X library symbolic links. The following symbolic links need to be created: (NOTE: This task is required only if the Motif 2.1 Development Environment	HP-UX 11.0(64 bit) Operating System Patches: Dec 2000 patch bundle o PHCO_23092 s/b PHCO_23963 s/b PHCO_26111 o PHCO_23770 s/b PHCO_25707 s/b PHCO_27608 o PHCO_23919 s/b PHCO_27340 o PHKL_18543 o PHKL_23226 s/b	11.0 patches: o PHSS_21947 s/b PHSS_24303 s/b PHSS_26559 o PHNE_20316 s/b PHNE_22566 s/b PHNE_25440 o PHKL_21392 s/b PHKL_24027 o PHKL_22145 s/b PHKL_25475 s/b PHKL_27510 s/b PHKL_30553 o PHKL_22266 s/b	Patch Bundle9905 o PHCO_17556 s/b PHCO_23651 o PHCO_17792 s/b PHCO_21187 s/b PHCO_25902 o PHCO_18229 s/b PHCO_23963 s/b PHCO_26111 o PHCO_19491 s/b PHCO_25707 s/b PHCO_27608 o PHCO_19666 s/b PHCO_23792	PHKL_14750 s/b PHKL_25475 s/b PHKL_27510 s/b PHKL_30553 o PHKL_17709 s/b PHKL_23792 s/b PHKL_26960 o PHKL_17869 s/b PHKL_18543 o PHNE_17446 s/b PHNE_21767 s/b PHNE_26771 s/b PHNE_29473	32/64bit 11.0 o PHNE_15995 s/b PHNE_21767 s/b PHNE_26771 s/b PHNE_29473 o PHNE_16283 s/b PHNE_21767 s/b PHNE_26771 s/b PHNE_29473 o 64bit 11.0 o PHSS_15316 s/b PHSS_24303 s/b PHSS_26559 o PHSS_16404 s/b	32/64bit 11.0 o PHNE_15995 s/b PHNE_21767 s/b PHNE_26771 s/b PHNE_29473 o PHNE_16283 s/b PHNE_21767 s/b PHNE_26771 s/b PHNE_29473 o 64bit 11.0 o PHSS_15316 s/b PHSS_24303 s/b PHSS_26559 o PHSS_16404

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	decimal) PHSS_37959 Libcl patch for alternate stack issue fix (QXCR10008 18011) PHSS_39094 11.31 linker + fdp cumulative patch PHSS_39100 11.31 Math Library Cumulative Patch PHSS_39102 11.31 Integrity Unwind Library PHSS_38141 11.31 aC++ Runtime Pro*C/C++, Oracle Call Interface, Oracle C++ Pro*C/C++, Oracle Call Interface, Oracle C++ Call Interface, Oracle XML Developer's Kit (XDK):- Patch for HP- UX 11i V3 (11.31) on HP-UX Itanium:- PHSS_39824 - 11.31 HP C/aC++ Compiler (A.06.23) patch	s/b PHCO_37228 PHKL_35029 s/b PHKL_37121 PHKL_37809 or later Note 580273.1 For HP-UX PA-RISC and Itanium 11.31: PHKL_35900 PHKL_36248 PHKL_36249 PHKL_35936 s/b PHKL_36242 s/b PHKL_37185 s/b PHKL_38038 PHKL_38397 or later. Note 580273.1 Use the - ignoreSysPre reqs option with runInstaller to ignore the system pre- requisite test Refer to the following Web site for information about additional java patches: <a href="http://www.hp.com/prod
ucts1/unix/ja
va/patches/i
ndex.html">http://www. hp.com/prod ucts1/unix/ja va/patches/i ndex.html The default	Environment Package (X11MotifDev Kit.MOTIF21- PRG) is not installed). cd /usr/lib ln -s /usr/lib/libX1 1.3 libX11.sl ln -s /usr/lib/libX1 E.2 libXIE.sl ln -s /usr/lib/libXe xt.3 libXext.sl ln -s /usr/lib/libXh p11.3 libXhp11.sl ln -s /usr/lib/libXi. 3 libXi.sl ln -s /usr/lib/libX m.4 libXm.sl ln -s /usr/lib/libXp .2 libXp.sl ln -s /usr/lib/libXh p11.3 libXhp11.sl ln -s /usr/lib/libXi. 3 libXi.sl ln -s /usr/lib/libX m.4 libXm.sl ln -s /usr/lib/libXp .2 libXp.sl ln -s /usr/lib/libXt. 3 libXt.sl ln -s /usr/lib/libXt st.2 libXtst.sl GOLDQPK11i , December 2004 or later If GOLDQPK is not installed then these two patchkits need to be installed: GOLDAPPS11 i, June 2003 or later GOLDBASE11 i, June 2003	Package (X11MotifDev Kit.MOTIF21- PRG) is not installed). cd /usr/lib ln -s /usr/lib/libX1 1.3 libX11.sl ln -s /usr/lib/libX1 E.2 libXIE.sl ln -s /usr/lib/libXe xt.3 libXext.sl ln -s /usr/lib/libXh p11.3 libXhp11.sl ln -s /usr/lib/libXi. 3 libXi.sl ln -s /usr/lib/libX m.4 libXm.sl ln -s /usr/lib/libXp .2 libXp.sl ln -s /usr/lib/libXt. 3 libXt.sl ln -s /usr/lib/libXt st.2 libXtst.sl GOLDQPK11i , June 2003 or later If GOLDQPK is not installed then these two patchkits need to be installed: GOLDAPPS11 i, June 2003 or later GOLDBASE11 i, June 2003	ln -s /usr/lib/libXe xt.3 libXext.sl ln -s /usr/lib/libXh p11.3 libXhp11.sl ln -s /usr/lib/libXi. 3 libXi.sl ln -s /usr/lib/libX m.4 libXm.sl ln -s /usr/lib/libXp .2 libXp.sl ln -s /usr/lib/libXt. 3 libXt.sl ln -s /usr/lib/libXt st.2 libXtst.sl HP-UX 11.0(64 bit) Operating System Patches: Sept 2001 Quality Pack o PHCO_23792 s/b PHCO_26960 o PHCO_24148 s/b PHCO_25707 s/b PHCO_27608 s/b PHCO_28425 s/b PHCO_32448 o PHKL_24268 s/b PHKL_27178 (has been recalled by	PHKL_27510 s/b PHKL_30553 o PHKL_23813 p11.3 PHKL_25525 s/b PHKL_27364 s/b PHKL_31867 o PHKL_23814 s/b PHKL_24729 s/b PHKL_29256 o PHKL_23815 s/b PHKL_26337 s/b PHKL_27553 o PHKL_23857 s/b PHKL_25525 s/b PHKL_27364 s/b PHKL_31867 HP-UX 11i (64 bit) Operating System Patches Status o PHCO_23094 s/b PHCO_24402 o PHCO_23772 s/b PHCO_26124 s/b PHCO_27910 o PHSS_23441	PHKL_27178 DART 49, 6/00	s/b PHSS_26960 o PHKL_14750 s/b PHKL_25475 s/b PHKL_27510 s/b PHKL_30553 o PHKL_17038 s/b PHKL_25525 s/b PHKL_27364 s/b PHKL_31867 o PHKL_18543 o PHKL_19800 s/b PHKL_24027 o PHKL_20016 o PHKL_20079 s/b PHKL_24027 o PHNE_19616 s/b PHNE_24100 s/b PHNE_25385 o PHSS_14582 s/b PHSS_26320 o PHSS_15853 s/b PHSS_23546 s/b PHSS_26566 o PHSS_16849 s/b PHSS_25718	PHSS_24303 s/b PHSS_26559	s/b PHSS_24303 s/b PHSS_26559	

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
		<p>64bit OS (PA-RISC and From Bug 8789180) installation does not create a few required X library symbolic links. The following symbolic links need to be created: (NOTE: This task is required only if the Motif 2.1 Development Environment Package (X11MotifDev Kit.MOTIF21-PRG) is not installed).</p> <pre>cd /usr/lib ln -s /usr/lib/libX1.3 libX11.sl ln -s /usr/lib/libXI.E.2 libXI.E.sl ln -s /usr/lib/libXext.3 libXext.sl ln -s /usr/lib/libXhp11.3 libXhp11.sl ln -s /usr/lib/libXi.3 libXi.sl ln -s /usr/lib/libXm.4 libXm.sl ln -s /usr/lib/libXp.2 libXp.sl</pre>	<p>i, December 2004 or later</p> <p>11.11 required patches:</p> <ul style="list-style-type: none"> o PHNE_31097 s/b PHNE_32477 s/b PHNE_33498 s/b PHNE_35418 s/b PHNE_36168 s/b PHNE_37110 s/b o PHSS_31221 s/b PHSS_33263 s/b PHSS_33944 s/b PHSS_33945 s/b For JDK, refer to HP Java for latest patches: o PHSS_30970 s/b PHSS_33033 s/b PHSS_35379 s/b PHSS_35385 s/b For PL/SQL/ProC, OCI,OCCL,XDK: o PHSS_32508 s/b PHSS_34411 s/b PHSS_35099 s/b PHSS_36087 	<p>or later Jun03GQPK11i_Aux_Patch (Does not exist, see Bug 3512068)</p> <p>X11MotifDev Kit (spatial only)</p> <ul style="list-style-type: none"> o PHCO_28123 s/b PHCO_31314 s/b PHCO_32397 s/b PHKL_29198 s/b PHKL_32603 s/b PHNE_28476 s/b PHNE_29825 s/b PHNE_30367 s/b PHNE_31091 s/b PHNE_33729 s/b PHNE_28923 s/b PHSS_30049 s/b PHNE_32396 s/b PHNE_33704 s/b PHSS_28871 s/b PHSS_33033 s/b PHSS_28880 s/b PHSS_32573 s/b PHSS_33263 s/b PHCO_26331 	<p>HP may destroy logical volumes on PVGs - more info s/b</p> <ul style="list-style-type: none"> PHKL_32920 s/b o PHKL_24729 s/b PHKL_29256 s/b o PHKL_25475 s/b PHKL_27510 s/b PHKL_30553 s/b o PHKL_25525 s/b PHKL_27364 s/b PHKL_28766 s/b PHKL_31867 s/b PHNE_24715 s/b PHNE_26771 s/b PHNE_29473 s/b PHNE_32041 s/b PHNE_33395 s/b PHSS_23670 s/b PHSS_26138 s/b PHSS_27858 s/b PHSS_24301 s/b PHSS_26273 s/b PHSS_28433 s/b (only needed for C++ compiler and 	<ul style="list-style-type: none"> s/b PHSS_26263 o PHNE_23502 s/b PHNE_25625 s/b PHNE_26388 s/b PHNE_28568 	<ul style="list-style-type: none"> s/b PHSS_27469 o PHSS_17535 s/b PHSS_25091 s/b PHSS_18066 s/b PHSS_18110 s/b PHSS_26273 s/b PHSS_28433 s/b PHSS_18430 s/b PHSS_25199 s/b PHSS_26495 s/b PHSS_18649 s/b PHSS_26320 s/b PHSS_19593 s/b PHSS_25447 s/b PHSS_27230 s/b PHSS_19178 s/b PHSS_25249 s/b PHSS_19748 s/b PHSS_25149 s/b PHSS_26490 s/b PHSS_19866 s/b PHSS_24303 s/b PHSS_26559 s/b PHSS_20544 s/b PHSS_26138 				

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5		
		ln -s /usr/lib/libXt. 3 libXt.sl ln -s /usr/lib/libXt st.2 libXtst.sl	o PHSS_32509 s/b PHSS_34412 s/b PHSS_35098 s/b PHSS_36086 o PHSS_32510 s/b PHSS_34413 s/b PHSS_35100 s/b PHSS_36088 11.23 (PA- RISC) required patches: o PHSS_31849 s/b PHSS_37021 s/b PHSS_37492 s/b PHSS_40537 o PHSS_31852 s/b PHSS_35055 s/b PHSS_36343s /b PHSS_38140 For PL/SQL/ProC, OCI,OCCI,XD K: o PHSS_32511 o PHSS_32512 o PHSS_32513 o PHKL_37809 or later Note	s/b PHCO_27958 s/b PHCO_33205 o PHCO_29109 s/b PHCO_29960 s/b PHCO_30544 o PHKL_25468 s/b PHKL_30542 o PHKL_25842 s/b PHKL_30288 s/b PHKL_34311 o PHKL_25993 o PHKL_25994 s/b PHKL_32061 s/b PHKL_34309 o PHKL_25995 s/b PHKL_30541 s/b PHKL_32457 s/b PHKL_34024 o PHKL_26468 s/b PHKL_27316 s/b PHKL_30837 o PHKL_28489 HP-UX 11.23 (IA64) Operating System Patches:	Pro*C++) o PHSS_24303 s/b PHSS_26559 s/b PHSS_30965 o PHSS_24627 s/b PHSS_26945 s/b PHSS_32574 o PHSS_22868 (only needed for C++ compiler and Pro*C++) Ensure that unzip version is 5.5 or higher (\$ unzip -v) [reference Note 263692.1], if not it can be downloaded here HP-UX 11i (64 Bit) Operating System Patches: Support Plus Bundle 'December 2002 SP- 0212' or later JDK 1.3.1.02 o PHCO_24402 s/b PHCO_25569 s/b PHCO_31923						s/b PHSS_27858 o PHSS_20014 s/b PHSS_24303 s/b PHSS_26559 o PHSS_21180		

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
			<p>580273.1</p> <p>Ensure that unzip version is 5.5 or higher (\$ unzip -v) [reference Note 263692.1], if not it can be downloaded here</p> <p>11.31 (PARISC) required patches:</p> <ul style="list-style-type: none"> o PHKL_35900: 11.31 evacd performance , kvaddr leak panic o PHKL_36248: 11.31 esctl cumulative patch o PHKL_36249: 11.31 esdisk cumulative patch o PHKL_38397 or later Note 580273.1 o PHKL_35936 s/b PHKL_36242 s/b PHKL_37185 s/b PHKL_38038: 11.31 call to read(2) or write(2) may 	<ul style="list-style-type: none"> o PHSS_29658 s/b PHSS_30015 s/b PHSS_30237 o PHSS_29660 <p>Java SDK 1.4.2 latest patches</p> <p>Ensure that unzip version is 5.5 or higher (\$ unzip -v) [reference Note 263692.1], if not it can be downloaded here</p> <p>11.31 (Itanium) required patches: The following operating system patches: PHKL_35936 s/b</p> <p>PHKL_36242 s/b</p> <p>PHKL_37185 s/b</p> <p>PHKL_38038 Use the -ignoreSysPre reqs option with runInstaller to ignore the system pre-requisite test</p>	<ul style="list-style-type: none"> o PHCO_28427 s/b PHCO_29029 s/b PHCO_31903 s/b PHCO_33533 o PHKL_25506 s/b PHKL_33457 o PHNE_27144 s/b PHNE_27745 s/b PHNE_30580 (For RAC systems) o PHNE_28568 s/b PHNE_30378 s/b PHNE_32477 s/b PHNE_33315 o PHSS_26263 s/b PHSS_26560 s/b PHSS_33033 o PHSS_24638 s/b PHSS_26946 s/b PHSS_30966 s/b PHSS_33263 o PHSS_26774 s/b PHSS_28849 s/b PHSS_30742 (For ServiceGuard 						

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
			<p>incorrectly return -1</p> <ul style="list-style-type: none"> o You can use HP JDK 5.0.07 with the Oracle Java Database Connectivity and Oracle Call Interface drivers. <p>Ensure that you install the patch PHKL_35029 s/b PHKL_37121 to use JDK 5.0.07.</p> <p>11.23 (Itanium) required patches: The following operating system patches:</p> <ul style="list-style-type: none"> o BUNDLE11i B.11.23.0409 .3: Patch Bundle for HP-UX 11i V2 <p>Note: You must have the August 2004 version of BUNDLE11i B.11.23.0408 .1 for HP-UX 11i v2 on your system prior to updating to the HP-UX 11i v2 September 2004 or later</p>		<p>11.13 systems)</p> <p>HP-UX 11.22 /11.23 (IA64) Operating System Patches:</p> <ul style="list-style-type: none"> o PHSS_27284 s/b PHSS_28977 o PHSS_27285 s/b PHSS_28970 o PHSS_27286 s/b PHSS_28978 o PHSS_27287 s/b PHSS_29652 o PHSS_27288 s/b PHSS_28971 o PHSS_27289 s/b PHSS_29653 o PHSS_27290 s/b PHSS_28973 o PHSS_27291 s/b PHSS_28969 o PHSS_27292 s/b PHSS_29654 o PHSS_27293 s/b PHSS_28975 o 						

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
			release. o PHCO_32426 o PHKL_32646 s/b PHKL_36103 o PHKL_32632 s/b PHKL_33656 s/b PHKL_33807 s/b PHKL_38364 o PHKL_32645 s/b PHKL_34477 s/b PHKL_37106 o PHKL_33552 s/b PHKL_33563 s/b PHKL_36667 s/b PHKL_37653 s/b PHKL_41002 o PHSS_31850 s/b PHSS_34040 s/b PHSS_37201 s/b PHSS_37492 s/b PHSS_38134 s/b PHSS_40537 o PHSS_31851 s/b PHSS_34043 s/b PHSS_34859 s/b		PHKL_28465 11.31 (Itanium) required patches: The following operating system patches: PHKL_35936 s/b PHKL_36242 s/b PHKL_37185 s/b PHKL_38038 Use the - ignoreSysPre reqs option with runInstaller to ignore the system pre- requisite test						

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
			PHSS_37498 s/b PHSS_38138 or PHSS_39101 s/b PHSS_40541 o PHSS_31854 s/b PHSS_33357 s/b PHSS_34045 s/b PHSS_34445 s/b PHSS_40547 o PHSS_31855 s/b PHSS_33350 s/b PHSS_34041 s/b PHSS_35055 s/b PHSS_36343 s/b PHSS_38140 s/b PHSS_40543 o PHSS_33275 s/b PHSS_33349 s/b PHSS_34040 s/b PHSS_37201 s/b PHSS_37492 s/b PHSS_38134 s/b PHSS_40537 o PHSS_33276 s/b PHSS_34042 s/b								

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
			<p>PHSS_34853 s/b PHSS_36344 s/b PHSS_40539 o PHKL_37809 or later Note 580273.1</p> <p>For PL/SQL native compilation and installation of Pro*C/C++, Oracle Call Interface, Oracle C++ Call Interface, or Oracle XML Developer's Kit (XDK) , the following patches are required:</p> <ul style="list-style-type: none"> o PHSS_33278 o PHSS_33277 <p>The following JDK patches:</p> <ul style="list-style-type: none"> o PHCO_31553 s/b PHCO_33675 s/b PHCO_36323 s/b PHCO_37940 s/b PHCO_39699 o PHKL_31500 o PHSS_32213 								

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
			<p>s/b PHSS_32502 s/b PHSS_34201 s/b PHSS_37492 s/b PHSS_40537 Note: Refer to the following Web site for information about additional patches that may be required by JDK 1.4.2: HP Java Patches</p> <p>11.31 (Itanium) required patches: The following operating system patches:</p> <ul style="list-style-type: none"> o PHKL_35936 s/b PHKL_36242 s/b PHKL_37185 s/b PHKL_38449 s/b PHKL_38038 o PHKL_38397 or later Note 580273.1 <p>The following patches are supported on Oracle Database 10g</p>								

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
			<p>release 2:(Part Number B25292-06) PHKL_35900: 11.31 evacd performance , kvaddr leak panic PHKL_36248: 11.31 esctl cumulative patch PHKL_36249: 11.31 esdisk cumulative patch PHKL_35936: 11.31 call to read(2) or write(2) may incorrectly return -1</p> <p>Use the -ignoreSysPre reqs option with runInstaller to ignore the system pre-requisite test</p>								
HP Kernel Settings	Refer to the 11GR2 HP-UX Install Guide for steps to do this. Section 2.9 Configuring Kernel Parameters on HP-UX Systems.Part Number E17880-01 Refer to the 11GR2 HP-	Important: For HP 9000/700 workstations Only, see Note 467166.1 : set the following before starting the OUI,DBCAs, or DBUA: \$ export JAVA64FLAG	KSI_ALLOC_MAX (NPROC*8) EXECUTABLE_STACK=0 MAX_THREA D_PROC 1024 MAXDSIZ 1073741824 bytes MAXSSIZ 2147483648 bits MAXSSIZ 134217728	KSI_ALLOC_MAX (NPROC*8) MAX_THREA D_PROC 256 MAXDSIZ 1073741824 bytes MAXSSIZ 134217728 bytes MAXSSIZ_64 BIT	KSI_ALLOC_MAX (NPROC*8) MAX_THREA D_PROC 256 MAXDSIZ 1073741824 bytes MAXSSIZ 134217728 bytes MAXSSIZ_64 BIT	SHMMAX AvailMem SHMMIN ? SHMMNI 512 SHMSEG 32 SEMMNI 8192 SEMMNS 16384 MAXDSIZ 1073741824 bytes MAXSSIZ_64 BIT	SHMMAX 1GB SHMMIN 1 SHMMNI 100 SHMSEG 10 SEMMNI 70 SEMMNS 200 nflocks = 200 + sum of the values of init.ora parameter db_files for all instances of oracle	SHMMAX 1GB SHMMIN 1 SHMMNI 100 SHMSEG 10 SEMMNI 70 SEMMNS 200 maxdsiz and maxdsiz_64bit must be >= 128Mb	SHMMAX 1GB SHMMIN 1 SHMMNI 100 SHMSEG 10 SEMMNI 70 SEMMNS 200 maxdsiz and maxdsiz_64bit must be >= 128Mb	SHMMAX 1GB SHMMIN 1 SHMMNI 100 SHMSEG 10 SEMMNI 70 SEMMNS 200 maxdsiz and maxdsiz_64bit must be >= 128Mb	SHMMAX 1GB SHMMIN 1 SHMMNI 100 SHMSEG 10 SEMMNI 70 SEMMNS 200 maxdsiz and maxdsiz_64bit must be >= 128Mb

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
	UX Itanium Install Guide for steps to do this. Section 6 Configure Kernel Parameters. Part Number E18245-02	="-d64" KSI_ALLOC_MAX (NPROC*8) EXECUTABLE _STACK=0 MAX_THREA D_PROC 1024 MAXDSIZ 1073741824 MAXDSIZ_64 BIT 2147483648 MAXTSIZE_6 4BIT 1073741824 MAXSSIZ 134217728 bytes MAXSSIZ_64 BIT 1073741824 MAXUPRC (((NPROC*9)/ 10)+1 Bug 6995956 MSGMAP (MSGTQL+2) * MSGMNI (NPROC) MSGSEG 32767 * MSGTQL (NPROC) NCSIZE (NNODE+10 24) NFILE (15*NPROC+ 2048) * NFLOCKS (NPROC) NINODE (8*NPROC+2 048) NKTHREAD (((NPROC*7)/ 4)+16) SEMMAP (SEMMNI*2) * SEMNNI (NPROC) SEMVMX (15*NPROC+ 2048) * NFLOCKS (NPROC) NINODE (8*NPROC+2 048) NKTHREAD (((NPROC*7)/	bytes MAXSSIZ_64 BIT 1073741824 MAXSWAP HUNKS 16384* MAXUPRC (((NPROC*9)/ 10)+1 Bug 6995956 MSGMAP (MSGTQL+2) MSGMNI (NPROC) MSGSEG 32767 MSGTQL (NPROC) MSGSEG 32767 MSGTQL (NPROC) NCSIZE (NNODE+VX _NCSIZ)* NFILE (15*NPROC+ 2048) NFLOCKS (NPROC) NINODE (15*NPROC+ 2048) NFLOCKS (NPROC) (B25293-01) NINODE (8*NPROC+2 048) NKTHREAD (((NPROC*7)/ 4)+16) NPROC 4096 SEMMAP (SEMMNI+2) * SEMNNI (NPROC) SEMVMX (15*NPROC+ 2048) * NFLOCKS (NPROC) NINODE (8*NPROC+2 048) NKTHREAD (((NPROC*7)/ 4)+16) SEMMAP (SEMMNI+2) * SEMNNI (NPROC) SEMVMX (15*NPROC+ 2048) * NFLOCKS (NPROC) NINODE (8*NPROC+2 048) SHMMAX AvailMem SHMMNI 512 SHMSEG 120 VPS_CEILING 64 *	1073741824 MAXSWAP HUNKS 16384* MAXUPRC (((NPROC*9)/ 10)+1 Bug 6995956 MSGMAP (MSGTQL+2) MSGMNI (NPROC) MSGSEG 32767 MSGTQL (NPROC) NCSIZE (NNODE+VX _NCSIZ)* NFILE (15*NPROC+ 2048) NFLOCKS (NPROC) NINODE (8*NPROC+2 048) NKTHREAD (((NPROC*7)/ 4)+16) NPROC 4096 SEMMAP (SEMMNI+2) * SEMNNI (NPROC) SEMVMX (15*NPROC+ 2048) * NFLOCKS (NPROC) NINODE (8*NPROC+2 048) SHMMAX AvailMem SHMMNI 512 SHMSEG 120 VPS_CEILING 64 *	1073741824 MAXSWAP HUNKS 16384* MAXUPRC (((NPROC*9)/ 10) MSGMAP (MSGTQL+2) MSGMNI (NPROC) MSGSEG 32767 MSGTQL (NPROC) NCALLOUT (NKTHREAD+ 16)* NCSIZE ((8*NPROC+ 2048)+VX_N CSIZ)* NFILE (15*NPROC+ 2048) NFLOCKS (NPROC) NINODE (8*NPROC+2 048) NKTHREAD (((NPROC*7)/ 4)+16) NPROC 4096 SEMMAP (SEMMNI+2) * SEMNNI (NPROC) SEMVMX (15*NPROC+ 2048) * NFLOCKS (NPROC) NINODE (8*NPROC+2 048) NKTHREAD (((NPROC*7)/ 4)+16) NPROC 4096 SEMMAP (SEMMNI+2) * SEMNNI (NPROC) SEMVMX (15*NPROC+ 2048) * NFLOCKS (NPROC) NINODE (8*NPROC+2 048) SHMMAX AvailMem SHMMNI 512 SHMSEG 32	2147483648 bytes MAXSSIZ 134217728 bytes MAXSSIZ_64 BIT 1073741824	onthe machine. MAX_THREA D_PROC = 256 or more maxdsiz 1Gb (1073741824) 0x40000000 maxdsiz_64bi t 1.6Gb (1717986918) 66666666 maxssiz 200mb (209715200) C800000 maxssiz_64bi t 200mb (209715200) C800000 maxtsiz 1Gb (1073741824) 0x40000000 maxtsiz_64bi t 1Gb (1073741824) 0x40000000				

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
		4)+16) NPROC 4096 SEMMNI (NPROC) SEMMNS (SEMMNI*2) SEMMNU (NPROC - 4) SEMVMX 32767 SHMMAX AvailMem SHMMNI 4096 SHMSEG 512 VPS_CEILING 64 * MSGMAP,M AXSWAPCHU NKS, NCALLOUT, SEMMAP,VX_ _NCSIZE,NFIL E, MSGSEG are obsolete on 11.31 (Itanium and PA-RISC) and no longer required to be set	SHMMNI 512 SHMSEG 120 VPS_CEILING 64 * MAXSWAPC HUNKS, SEMMAP, and VX_NCSIZE are obsolete on 11.23 PA- RISC and IPF and no longer need to be set Set NCSIZE = (NINODE+10 24) 11.31 (Itanium and PA-RISC): The following 11.31 kernel parameters are obsolete: maxswapchu nks, msgmap, ncallout, semmap,vx_ ncsize,Nfile and Msgseg	MAXSWAPC HUNKS, SEMMAP, and VX_NCSIZE are obsolete on 11.23 PA- RISC and IPF and no longer need to be set Set NCSIZE = (NINODE+10 24) 11.31 (Itanium and PA-RISC): The following 11.31 kernel parameters are obsolete: maxswapchu nks, msgmap, ncallout, semmap,vx_ ncsize,Nfile and Msgseg	VPS_CEILING 64 * MAXSWAPC HUNKS, SEMMAP, NCALLOUT, and VX_NCSIZE are obsolete on 11.23 PA- RISC and IPF and no longer need to be set Set NCSIZE = (NINODE+10 24) 11.31 (Itanium and PA-RISC): The following 11.31 kernel parameters are obsolete: maxswapchu nks, msgmap, ncallout, semmap,vx_ ncsize,Nfile and Msgseg						
Sun Solaris (32- and 64- bit stands for Oracle not OS)	Solaris(64bit) 10 (update 6 or higher)	2.9 Update 7 (09/04), 2.10	2.8 Update 7 (02/02) , 2.9 Update 6 (04/04) , 2.10 (64bit) Solaris	Solaris SPARC 2.8, 2.9 (64bit) o Solaris SPARC 10 (64bit) requires 10.1.0.3.0 patchset o Solaris x86 2.9, 10	o 2.6, 2.7, 2.8, 2.9 (32bit) o Solaris 10 (32bit) requires 9.2.0.4.0 patchset o 2.8, 2.9 (64bit) o Solaris 10 (64bit) requires	o 2.6, 2.7, 2.8, 2.9 (32bit) o 2.8, 2.9 (64bit)	o 2.6, 2.7, 2.8, 2.9 (32bit) o 2.8, 2.9 (64bit)	o 2.6, 2.7, 2.8 (32bit) o 2.7, 2.8 (64bit)	2.6, 2.7, 2.8 (32bit) o 2.7 (64bit)	2.5.1, 2.6, 2.7, 2.8	2.5.1, 2.6, 2.7, 2.8

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
			10 on AMD64 /x86_64		9.2.0.5.0 patchset						
Sun Disk Space	1.5 to 2G Database 4.7G Software	1.5 to 2G Database 4.7G Software	1.2G Database 1.5G - 3.5G Software 1G Companion 150M-1G Client	1.2G Database 1.5G Software 1G Companion 150M-1G Client	4.5G	3.5G (32bit) 5.7G (64bit)	1355Mb	1170Mb	811Mb	600Mb	600Mb
Sun RAM	4GB	1GB	1GB	512Mb 256Mb(Client/Compan)	512Mb	256Mb (32bit) 512Mb (64bit)	128Mb	128Mb	128Mb	64Mb or 128Mb / ConText	32Mb or 128Mb / ConText
Sun swap	If RAM = 1 GB to 2 GB then 1.5 times RAM elseif RAM = 2 GB and 16 GB then match RAM else RAM > 16 GB then .75 times RAM	If RAM = 1024MB to 2048Mb then 1.5 times RAM elseif RAM > 2048MB and < 8192MB then match RAM else RAM > 8192MB then .75 times RAM	If RAM = 1024MB to 2048Mb then 1.5 times RAM elseif RAM > 2048MB and < 8192MB then match RAM else RAM > 8192MB then .75 times RAM	1Gb or match RAM 512Mb(Client/Compan)	1Gb or match RAM	400Mb	2*RAM or 400Mb	2*RAM or 400Mb	2*RAM	3*RAM	3*RAM
Sun tmp	1GB	275Mb	400Mb	400Mb	400Mb	400Mb	?	?	?	20Mb	20Mb
Sun JDK & JRE	JDK 6 Update 10 (Java SE Development Kit 1.6 u10) or JDK 5 (1.5.0_16)	JDK 1.5.0_11 is installed	JDK 1.4.2_01 is installed JDK 1.4.2_08 is installed (x86_64)	JDK 1.4.2_01 is installed	JDK 1.3.1_02 & 1.1.8_12 (32bit) 1.1.8_15 (64bit)	JDK 1.2.2_07 & 1.1.8_12	JDK 1.2.2. & 1.1.8_10	1.1.8_10	?	n/a	n/a

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
Sun Patches/ Packages	Required Packages: SUNWarc SUNWbtool <br SUNWlibC SUNWlibm SUNWlibms SUNWsprout SUNWtoo SUNWi1of SUNWi1cs (ISO8859-1) SUNWi15cs (ISO8859-15) SUNWxfnt SUNWcsl </br	Important: For non-sun4u or sun4v workstations Only, see Note 467166.1 : set the following before starting the OUI,DBCA, or DBUA: \$ export JAVA64FLAG="-d64" Required Packages: SUNWarc SUNWbtool SUNWhea SUNWi15cs SUNWi1cs SUNWi1of SUNWlibC SUNWlibm SUNWlibms SUNWsprout SUNWsprout (Not applicable to Solaris 10), SUNWtoo SUNWxfnt SUNWi1cs SUNWi15cs SUNWi1of SUNWxcu4 SUNWuiu8 and SUNWulcf - See Note 290034.1 Solaris 9 Reqd Patches: 112233-11 111722-04 112874-39	Required Packages: SUNWarc, SUNWbtool, SUNWhea, SUNWlibm, SUNWlibms, SUNWmfrun, SUNWsprout, SUNWsprout (Not applicable to Solaris 10), SUNWtoo, SUNWxfnt, SUNWi1cs, SUNWi15cs, SUNWi1of, SUNWxcu4, SUNWuiu8 and SUNWulcf - See Note 290034.1 Solaris 8 Reqd Patches: 108528-23 108652-66 108773-18 108921-16 108940-53 108987-13 108989-02 108993-45 109147-24 110386-03 111023-02 111111-03 111308-03 111310-01 112396-02 111721-04 112003-03 112138-01 112760-05 (Native PL/SQL,ProC, ProFortran,O	Required Packages: SUNWarc, SUNWbtool, SUNWhea, SUNWlibC (CRS only) SUNWlibm, SUNWlibms, SUNWmfrun, SUNWsprout, SUNWsprout (Not applicable to Solaris 10), SUNWtoo, SUNWxfnt, SUNWi1cs, SUNWi15cs, SUNWi1of SUNWuiu8,S UNWulcf (if Bug 4025250 occurs) SUNWxcu4 Solaris 8 Reqd Patches: 108528-23 108652-66 108773-18 108921-16 108940-53 108987-13 108989-02 108993-18 109147-24 110386-03 111023-02 111111-03 111308-03 111310-01 112396-02 111721-04 112003-03 112138-01 112138-01 Solaris 9	32bit/64bit SUNWarc, SUNWbtool, SUNWhea, SUNWlibm, SUNWlibms, SUNWmfrun, SUNWsprout, SUNWtoo SUNWxfnt (for Java) SUNWsprout (for 64bit Oracle) (Not applicable to Solaris 10) SUNWuiu8,S UNWulcf (if Bug 4025250 occurs) SUNWxcu4 108528-05 (2.8) Solaris 10 special instructions: Execute runInstaller with the -ignoreSysPre reqs option The Fair Share Scheduler(FS S) requires Solaris 10 11/06 or higher. If using a prior update of Solaris 10 install the following patches : Install patch	32bit/64bit SUNWarc, SUNWbtool, SUNWhea, SUNWlibm, SUNWlibms, SUNWsprout, SUNWtoo SUNWxcu4 Additional 64bit SUNWarcx, SUNW2x (believe this is a typo and should be SUNWtoox) 108528-01 (2.8) 105181-15 (2.6)	SUNWarc, SUNWbtool, SUNWhea, SUNWlibm, SUNWlibms, SUNWsprout, SUNWtoo 2.6 requires at least 105181-15 2.6 requires at least 105181-15	SUNWarc, SUNWbtool, SUNWlibm, SUNWlibms,S UNWsprout, SUNWtoo, SUNWhea. Sun 2.6 requires 105181-06			

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5	
		<p>115675-01 (NUMA only) 113471-08 (NUMA only) 115675-01 (NUMA only) 113029-07 for Fair Share Scheduler, See Note 558374.1</p> <p>Solaris 10 Req'd Patches: 127111-02 s/b 127127-11 137111-04 s/b 137137-09 (Part Number B32314-02)</p> <p>To support Pro*C/C++,Pro*FORTRAN, Oracle Call Interface,Oracle C++ Call Interface,Oracle XML Developer's Kit (XDK) 112760-05 (Solaris 9) 117837-05 (Solaris X86 10) 117846-08 (Solaris X86 10) 118682-01 (Solaris X86 10) ulimit(TIME) to unlimited. Refer to Note</p>	<p>CI,OCCL,XDK only) SUNWctplx/SUNWdtbax/SUNWtltx/SUNWtoox/SUNWxwicx/SUNWxwplx/ and also Patch 112771-30 in order to fix the SUNWdtbax package Note 366100.1</p> <p>Solaris 9 Req'd Patches: 112233-11 111722-04 (Bug 4122475) 115675-01 113471-08 115675-01 112760-05 (Native PL/SQL,ProC, ProFortran,OCI,OCCL,XDK only) 112963-25 113029-07 for Fair Scheduler, See Note 558374.1</p> <p>Solaris 10 Req'd Patches 127111-02 s/b 127127-11 for 10.2.0.4 or later (see README for</p>	<p>Req'd Patches: 112233-11 111722-04 (Bug 4122475) 112963-25 113029-07 for Fair Scheduler, See Note 558374.1</p> <p>Solaris 10 special instructions: 1. Execute runInstaller with the - ignoreSysPre reqs option. 2. Select 'Do not create a starter database' when installing Oracle 10g. 3. During installation, the warning message 'SUNWsprx package not installed' can be ignored as it is no longer provided separately. Press Continue to resume the installation. 4. Download and install PSR 10.1.0.4 Patch 4163362(or apply PSR 10.1.0.3</p>	<p>118833-36 before installing Oracle 10gR2 for Solaris 10 on SPARC. Install patch 118855-36 before installing Oracle 10gR2 for Solaris 10 on x86-64 Sun Solaris 10 install Sun patch 127111-03 (SPARC) / 127127-11 (x86-64) See Note 460424.1</p>							

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
		<p>250262.1 ulimit(FILE) to unlimited. Refer to Note 250262.1</p> <p>ulimit(DATA) to a minimum of 1048576. Refer to Note 250262.1</p> <p>ulimit(STACK) to a minimum of 32768. Refer to Note 250262.1</p> <p>ulimit(NOFILES) to a minimum of 4096. Refer to Note 250262.1</p> <p>ulimit(VMEMORY) to a minimum of 4194304. Refer to Note 250262.1</p>	<p>10.2.0.4.0) 127111-03 s/b 127127-11 See Note 460424.1</p> <p>Solaris 10 x86_64 Req'd Patches: 118345-03 119961-01 127127-11 See Note 460424.1</p> <p>Solaris 10 special instructions: Select 'Do not create a starter database' when installing Oracle 10gR2 due to Bug 4884705 and run the DBCA after the installation.</p> <p>The Fair Share Scheduler(FSS) requires Solaris 10 11/06 or higher. If using a prior update of Solaris 10 install the following patches : Install patch 118833-36 before installing Oracle 10gR2</p>	<p>Patch 3761843 and interim Patch 4163208 (SPARC) or patch 4186426 (x86) from metalink.oracle.com.</p> <p>5. Download and install Patch 4365826 from 10.1.0.3 or 10.1.0.4 from metalink.oracle.com. (SPARC only), also a merge patch containing 4365826 can be applied to 10.1.0.4.2 Patch 4590858</p> <p>6. If you have an End User Solaris 10 distribution, install the SUNWuiu8 package prior to installing the 10g client.</p> <p>7. The Fair Share Scheduler(FSS) requires Solaris 10 11/06 or higher. If using a prior update of Solaris 10 install the following</p>							

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
			<p>for Solaris 10 on SPARC. Install patch 118855-36 before installing Oracle 10gR2 for Solaris 10 on x86-64</p> <p>IMPORTANT: Patch 4589082 needs to be installed prior to attempting an installation of 10.2 on Solaris 10 SPARC to avoid "Error in invoking target 'relink' of makefile 'precomp/lib/ins_precomp.p.mk' related to -ldce not found. See also Note 333348.1.</p>	<p>patches : Install patch 118833-36 before installing Oracle 10gR2 for Solaris 10 on SPARC. Install patch 118855-36 before installing Oracle 10gR2 for Solaris 10 on x86-64</p> <p>8. Sun Solaris 10 install Sun patch 127111-03 (SPARC) / 127127-11 (x86-64) See Note 460424.1</p>							

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
Sun Kernel Settings	<p>Refer to the 11g Solaris Install Guide, Part Number E17163-01 for steps to do this.</p> <p>Verifying UDP and TCP Kernel Parameters</p>	<p>SEMMNI 100 SEMMNS 1024(Obsolete)</p> <p>SEMMSL 256 SEMVMX 32767(Obsolete)</p> <p>SHMMAX 4294967295</p> <p>SHMMNI 100 (Obsolete)</p> <p>NOEXEC_USE R_STACK 1</p> <p>Note: For Solaris 10 Oracle recommends still setting all these values in the /etc/system file, as well as, the Resource Control Facility. Refer to the 11g Solaris Install Guide for steps to do this.</p> <p>Here are the new names of the kernel parameters for Solaris 10 (Solaris 9 equivalents are in parentheses) :</p> <p><input type="checkbox"/> project.max-sem-ids 100 (semgni)</p> <p><input type="checkbox"/></p>	<p>SEMMNI 100 *** SEMMNS 1024 **</p> <p>SEMMSL 256 *** SEMVMX 32767 **</p> <p>SHMMAX 4294967295</p> <p>SHMMIN 1 * SHMMNI 100***</p> <p>SHMSEG 10 * NOEXEC_USE R_STACK 1</p> <p>* obsolete in Solaris 9 and 10 ** obsolete in Solaris 10 *** default value in Solaris 10 is already larger</p> <p>Note: for Solaris 10 SHMMAX which is now set through the Resource Control Facility not /etc/system. Refer to the 10gR2 for Solaris SPARC Installation guide for steps to do this, as well as, the Release Notes which has corrections: 10.2 Install Guides and</p>	<p>SEMMNI 100 *** SEMMNS 1024 **</p> <p>SEMMSL 256 *** SEMVMX 32767 **</p> <p>SHMMAX 4294967295</p> <p>SHMMIN 1 * SHMMNI 100***</p> <p>SHMSEG 10 * NOEXEC_USE R_STACK 1</p> <p>* obsolete in Solaris 9 and 10 ** obsolete in Solaris 10 *** default value in Solaris 10 is already larger</p>	<p>SEMMNI 100 *** SEMMNS 1024 **</p> <p>SEMMSL 256 *** SHMMAX 4294967295</p> <p>SHMMIN 1 * SHMMNI 100***</p> <p>SHMSEG 10 * NOEXEC_USE R_STACK 1</p> <p>* obsolete in Solaris 9 and 10 ** obsolete in Solaris 10 *** default value in Solaris 10 is already larger</p>	<p>SEMMNI 100 SEMMNS 256</p> <p>SEMMSL 256 SHMMAX 4294967295</p> <p>SHMMIN 1 SHMMNI 100</p> <p>SHMSEG 10 SEMMSL Set to 10 plus the largest PROCESSES parameter of any Oracle database on the system.</p> <p>SEMMNS Set to the sum of the PROCESSES parameter for each Oracle database, adding the largest one twice, then add an additional 10 for each database.</p> <p>SEMOPM 100 SEMVMX 32767</p>	<p>SEMMNI 100 SEMMNS 256</p> <p>SEMMSL 256 SHMMAX 4294967295</p> <p>SHMMIN 1 SHMMNI 100</p> <p>SHMSEG 10 SEMMSL Set to 10 plus the largest PROCESSES parameter of any Oracle database on the system.</p> <p>SEMMNS Set to the sum of the PROCESSES parameter for each Oracle database, adding the largest one twice, then add an additional 10 for each database.</p> <p>SEMOPM 100 SEMVMX 32767</p>	<p>SHMMAX 4294967295</p> <p>SHMMIN 1 SHMMNI 100</p> <p>SHMSEG 10 SEMMSL Set to 10 plus the largest PROCESSES parameter of any Oracle database on the system.</p> <p>SEMMNS Set to the sum of the PROCESSES parameter for each Oracle database except the largest one, plus 2 times the largest PROCESSES value, plus 10 times the number of Oracle databases.</p> <p>SEMOPM 100 SEMVMX 32767</p>	<p>SHMMAX 4294967295</p> <p>SHMMIN 1 SHMMNI 100</p> <p>SHMSEG 10 SEMMSL Set to 10 plus the largest PROCESSES parameter of any Oracle database on the system.</p> <p>SEMMNS Set to the sum of the PROCESSES parameter for each Oracle database except the largest one, plus 2 times the largest PROCESSES value, plus 10 times the number of Oracle databases.</p> <p>SEMOPM 100 SEMVMX 32767</p>	<p>SHMMAX 4294967295</p> <p>SHMMIN 1 SHMMNI 100</p> <p>SHMSEG 10 SEMMSL Set to 10 plus the largest PROCESSES parameter of any Oracle database on the system.</p> <p>SEMMNS Set to the sum of the PROCESSES parameter for each Oracle database except the largest one, plus 2 times the largest PROCESSES value, plus 10 times the number of Oracle databases.</p> <p>SEMOPM 100 SEMVMX 32767</p>	<p>SHMMAX 4294967295</p> <p>SHMMIN 1 SHMMNI 100</p> <p>SHMSEG 10 SEMMSL Set to 10 plus the largest PROCESSES parameter of any Oracle database on the system.</p> <p>SEMMNS Set to the sum of the PROCESSES parameter for each Oracle database except the largest one, plus 2 times the largest PROCESSES value, plus 10 times the number of Oracle databases.</p> <p>SEMOPM 100 SEMVMX 32767</p>

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
		process.max-sem-nsems 256 (semmsl) <input type="checkbox"/> project.max-shm-memory 4294967295 (shmmax) <input type="checkbox"/> project.max-shm-ids 100 (shmmni)	Release Notes Here are the new names of the kernel parameters for Solaris 10 (Solaris 9 equivalents are in parentheses) : <input type="checkbox"/> project.max-sem-ids 100 (semmni) <input type="checkbox"/> process.max-sem-nsems 256 (semmsl) <input type="checkbox"/> project.max-shm-memory 4294967295 (shmmax) <input type="checkbox"/> project.max-shm-ids 100 (shmmni)								
Tru64 OS do "/usr/sbin/sizer -v" to see specific version of Tru64, "uname -a" will not show it.	NA	Not Available	5.1b	5.1b	5.1a, 5.1b	5.0a, 5.1, 5.1a, 5.1b	4.0D-G, 5.0, 5.0a, 5.1, 5.1a, 5.1b(EV5.6 processor or higher) do 'usr/sbin/ps rinfo -v'	4.0D-G, 5.0, 5.0a, 5.1	4.0D-G, 5.0, 5.0a, 5.1	4.0D-G, 5.0, 5.0a, 5.1, 5.1a	4.0D-G, 5.0, 5.0a
Tru64 Disk Space	NA	Not Available	1.2G Database 3G Software 1G Companion	1.2G Database 3G Software 1G Companion	4.5G	4.7G	1.5G	1.2G	811Mb	800Mb	800Mb

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
			150M-1.9G Client	150M-1.9G Client							
Tru64 RAM	NA	Not Available	1Gb 256Mb (Client/Compan)	512Mb 256Mb(Clien t/Compan)	512Mb	256Mb	128Mb	128Mb	128Mb	128Mb	128Mb
Tru64 swap	NA	Not Available	2Gb or match RAM 512Mb(Clien t/Compan)	1Gb or match RAM 512Mb(Clien t/Compan)	1Gb or match RAM	400Mb	400Mb	400Mb	2-4*RAM	2-4*RAM	2-4*RAM
Tru64 tmp	NA	Not Available	400Mb	400Mb	400Mb	400Mb	75Mb	?	75Mb	40Mb	40Mb
Tru64 JDK & JRE	NA	Not Available	SDK 1.4.2 needs to be installed download here	SDK 1.4.2 needs to be installed download here	JDK 1.3.1.03 & 1.1.8-10	JDK 1.2.2-8 & 1.1.8-10	JDK 1.2.2. & 1.1.8-7	1.1.8	?	n/a	n/a
Tru64 Patches/ Packages	NA	Not Available	OSFCMPLRS OSFLIBA OSFPGMR OSFSER OSFX11 5.1B-3 (patchkit 5): T64V51BB26 AS0005- 20050502	OSFSER OSFLIBA OSFPGMR OSFCMPLRS OSFX11 OSFXDEVX (Spatial only) OSFXINCLUD E (Spatial only) OSFXLIBA (Spatial only) 5.1B-3 (patchkit 5): T64V51BB26 AS0005- 20050502	OSFSER OSFLIBA OSFPGMR OSFCMPLRS OSFX11 o 5.1a with patchkit 6 or higher required: T64V51AB24 AS0006- 20031031 o HP Tru64 UNIX Performance improvement to times(3) system call: T64KIT00235 83-V51AB24- E-20040913 o HP Tru64 UNIX V5.1A PKG (BL24) ERP Kit - file region locks	OSFSER OSFLIBA OSFPGMR OSFCMPLRS OSFX11 5.0a patchkit 2 and bugfix HPAQ217F3 or patchkit 3 and bugfix HPAQ217F3 or patchkit 4 5.1 patchkit 5 with T64V5117_C 0038300 _unique_id_ and_mfg_dat e.tar T64V51B19-	OSFLIBA, OSFPGMR, OSFCMPLRS 4.0D = Patchkit 4 or greater 4.0E = Patchkit 2 or greater 4.0F = Patchkit 1 or greater 5.1 = Patchkit 5 or greater with T64V51B19- C0125001- 14319-E- 20020516.tar (C1250.01 PatchId) and T64V51B19-	OSFLIBA, OSFPGMR, OSFCMPLRS 4.0D = Patchkit 4 or greater 4.0E = Patchkit 2 or greater 4.0F = Patchkit 1 or greater	OSFLIBA, OSFPGMR, OSFCMPLRS 4.0D = Patchkit 4 or greater 4.0E = Patchkit 2 or greater 4.0F = Patchkit 1 or greater	OSFLIBA, OSFPGMR, OSFCMPLRS 4.0D = Patchkit 4 or greater 4.0E = Patchkit 2 or greater 4.0F = Patchkit 1 or greater	

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
					<p>can be inadvertently released as a result of AIO processing: T64KIT00231 09-V51AB24-E-20040729</p> <p>o 5.1B-3 (patchkit 5): T64V51BB26 AS0005-20050502</p>	<p>C0125001-14319-E-20020516.tar (C1250.01 PatchId), T64V51B19-C0151600-15736-E-20021017.tar (C1516.00 PatchId).Go to here to download</p> <p>5.1a patchkit 4 with T64V51AB3-C0074700-15747-E-20021018.tar (C747.00 PatchId). Go to here to download</p> <p>5.1b = Patchkit 2 or greater, apply patch 01414.00 (included in Pk3) to address Note 261309.1 Id seg fault = Patchkit 2 or greater</p> <p>The following additional 5.1b O/S patch is also required, please obtain from HP: T64KIT00216 86-V51BB24-E-20040223 -</p>	<p>C0151600-15736-E-20021017.tar (C1516.00 PatchId). .Go to here to download</p> <p>5.1a = Patchkit 3 or greater with T64V51AB3-C0074700-15747-E-20021018.tar (C747.00 PatchId). Go to here to download</p> <p>5.1b = Patchkit 2 or greater, apply patch 01414.00 (included in Pk3) to address Note 261309.1 Id seg fault</p> <p>The following additional 5.1b O/S patch is also required, please obtain from HP: T64KIT00216 86-V51BB24-E-20040223 - - File Locking issue</p>				

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
						- File Locking issue					
Tru64 Kernel Settings	NA	Not Available	<p>PER_PROC_S TACK_SIZE 33554432 to avoid ORA-4030s</p> <p>MAX_PER_P ROC_STACK_SIZE 33554432</p> <p>PER_PROC_D ATA_SIZE 335544320 or RAM (whichever is greater)</p> <p>MAX_PER_P ROC_DATA_SIZE 335544320 or RAM (whichever is greater)</p> <p>PER_PROC_A DDRESS_SPACE 1073741824 or RAM (whichever is greater)</p> <p>MAX_PER_P ROC_ADDRES_SPACE 1073741824 or RAM (whichever is greater)</p> <p>SHM_MAX 4278190080 (4 GB less 16MB)</p> <p>SHM_MIN 1</p> <p>SHM_MNI 256</p> <p>SHM_SEG 256</p> <p>NEW_WIRE_METHOD 1 (if >= 5.1b PK3 and patch</p>	<p>PER_PROC_S TACK_SIZE 33554432 to avoid ORA-4030s</p> <p>MAX_PER_P ROC_STACK_SIZE 33554432</p> <p>PER_PROC_D ATA_SIZE 335544320</p> <p>MAX_PER_P ROC_DATA_SIZE 335544320</p> <p>PER_PROC_A DDRESS_SPACE 1073741824</p> <p>MAX_PER_P ROC_ADDRES_SPACE 1073741824 or RAM (whichever is greater)</p> <p>SHM_MAX 4278190080 (4 GB less 16MB)</p> <p>SHM_MIN 1</p> <p>SHM_MNI 256</p> <p>SHM_SEG 256</p> <p>NEW_WIRE_METHOD 1 (if >= 5.1b PK3 and patch</p>	<p>MAX_PER_P ROC_STACK_SIZE 33554432</p> <p>PER_PROC_S TACK_SIZE 33554432</p> <p>PER_PROC_D ATA_SIZE 201326592</p> <p>SHM_MAX 4278190080 (4 GB less 16MB)</p> <p>SHM_MIN 1</p> <p>SHM_MNI 256</p> <p>SHM_SEG 128</p> <p>NEW_WIRE_METHOD 1 (if >= 5.1b PK3 and patch</p> <p>T64KIT00216 86-V51BB24-E-20040223 or 5.1a PK6)</p> <p>Note 272697.1 for 5.1b PK5 and higher is defaulter to 1 and can no longer be changed</p> <p>NEW_WIRE_METHOD 0 (if <= 5.1b PK2) Note 272697.1</p> <p>VM_BIGPAGE_ENABLED 0</p> <p>FIFO_DO_ADAPTIVE 0</p>	<p>PER_PROC_S TACK_SIZE 33554432</p> <p>MAX_PER_P ROC_STACK_SIZE 33554432</p> <p>PER_PROC_D ATA_SIZE 536870912</p> <p>PER_PROC_D ATA_SIZE RAM</p> <p>MAX_PER_P ROC_DATA_SIZE RAM</p> <p>PER_PROC_A DDRESS_SIZE RAM</p> <p>SHM_MAX 4278190080 (4 GB less 16MB)</p> <p>SHM_MIN 1</p> <p>SHM_MNI 256</p> <p>ROC_ADDRES_SIZE RAM</p> <p>SHM_MAX 4278190080 (4 GB less 16MB)</p> <p>SHM_MIN 1</p> <p>SHM_MNI 256</p> <p>SHM_SEG 128</p> <p>NEW_WIRE_METHOD 1 (if >= 5.1b PK3 and patch</p> <p>T64KIT00216 86-V51BB24-E-20040223)</p> <p>Note 272697.1 for 5.1b PK5 and higher is defaulter to 1 and can no longer be changed</p> <p>NEW_WIRE_METHOD 0 (if <= 5.1b PK2) Note 272697.1</p> <p>FIFO_DO_ADAPTIVE 0</p> <p>vm-mapentries= 1024 in the /etc/sysconfigtab, verify with '/sbin/sysconfig -q vm' - applies to OS versions below 5.0, starting in 5.0 it is autose</p> <p>Alpha</p>	<p>SHMMAX 2139095040(2GB-8MB)</p> <p>SHMMIN 1</p> <p>SHMMNI 100</p> <p>SHMSEG 32</p> <p>NEW_WIRE_METHOD 1 (if >= 5.1b PK3 and patch</p> <p>T64KIT00216 86-V51BB24-E-20040223)</p> <p>Note 272697.1 for 5.1b PK5 and higher is defaulter to 1 and can no longer be changed</p> <p>NEW_WIRE_METHOD 0 (if <= 5.1b PK2) Note 272697.1</p> <p>FIFO_DO_ADAPTIVE 0</p> <p>vm-mapentries= 1024 in the /etc/sysconfigtab, verify with '/sbin/sysconfig -q vm' - applies to OS versions below 5.0, starting in 5.0 it is autose</p> <p>Alpha</p>	<p>SHMMAX 8388608 or higher than the maximum SGA size.</p> <p>Note: If anticipated SGA size is greater than 2 GB, set it to 2 GB - 8 MB; otherwise, round the SGA sizeup to the next 8 MB and set that to SHMMAX.</p> <p>SHMMIN 1</p> <p>SHMMNI 100</p> <p>SHMSEG 32</p>	<p>SHMMAX 2139095040 (2 GB-8 MB)</p> <p>SHMMIN 1</p> <p>SHMMNI 100</p> <p>SHMSEG 32</p>	<p>SHMMAX 8388608 or higher than the maximum SGA size.</p> <p>Note: If anticipated SGA size is greater than 2 GB, set it to 2 GB - 8 MB; otherwise, round the SGA size up to the next 8 MB and set that to SHMMAX.</p> <p>SHMMIN 1</p> <p>SHMMNI 100</p> <p>SHMSEG 32</p>	

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
			<p>T64KIT00216 86-V51BB24- E-20040223) Note 272697.1 for 5.1b PKS and higher is defaulter to 1 and can no longer be changed NEW_WIRE_ METHOD 0 (if <= 5.1b PK2) Note 272697.1 VM_BIGPG_E ENABLED 0 FIFO_DO_AD APTIVE 0 SSM_THRESH OLD * MSG_SIZE 32768 MAX_OBJS 5120 MAX_ASYNC _REQ 256 MAX_SESSIO NS 500 RDG_MAX_A UTO_MSG_ WIRES 0 RDG_AUTO_ MSG_WIRES 0 AIO_TASK_M AX_NUM 8193 EXEC_DISABL E_ARG_LIMIT 1</p> <p>* Set this attribute to 0 only if the rad_gh_regio ns[n] or gh_chunks attributes are set in the vm subsystem. Otherwise, do not change the value.</p>	<p>and higher is defaulter to 1 and can no longer be changed NEW_WIRE_ METHOD 0 (if <= 5.1b PK2) Note 272697.1 VM_BIGPG_E ENABLED 0 FIFO_DO_AD APTIVE 0 SSM_THRESH OLD * MSG_SIZE 32768 MAX_OBJS 5120 MAX_ASYNC _REQ 256 MAX_SESSIO NS 500 RDG_MAX_A UTO_MSG_ WIRES 0 RDG_AUTO_ MSG_WIRES 0 AIO_TASK_M AX_NUM 8193</p> <p>* Set this attribute to 0 only if the rad_gh_regio ns[n] or gh_chunks attributes are set in the vm subsystem. Otherwise, do not change the value.</p>	<p>Alpha processor EV5.6 or later</p>	<p>PK2) Note 272697.1 FIFO_DO_AD APTIVE 0</p> <p>Alpha processor EV5.6 or later</p>	<p>processor EV5.6 or later</p>				

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
			are set in the vm subsystem. Otherwise, do not change the value.								
<p>Linux x86 OS (See Note 225710.1 for supported kernels) and Note 265262.1 for "Things to know about Linux"</p>	<ul style="list-style-type: none"> o RHEL4, OEL4 - Update 7 or greater which is Kernel 2.6.9-78 or newer o RHEL5, OEL5 - 5.2 or greater which is Kernel 2.6.18-92 or newer o SLES10 - Kernel 2.6.16.21 or higher o SLES 11 - Kernel 2.6.27.19-5 or greater o Asianux Server 3 SP2 	<ul style="list-style-type: none"> o RHEL4, OEL4, Asianux 2.0 2.6.9 o RHEL5, OEL5, Asianux Server 3 2.6.18 o SuSE SLES10 2.6.16.21 o SuSE SLES11 - Kernel 2.6.27.19-5 or greater 	<ul style="list-style-type: none"> o RHEL 3 AS/ES (RHEL3) (Update 4 or later) 2.4.21-27.EL or higher o RHEL 4 AS/ES (RHEL4) and Oracle Enterprise Linux 4 (OEL4) 2.6.9-5.0.5.EL or higher o RHEL 5 AS/ES (RHEL5) and Oracle Enterprise Linux 5 (OEL5) o SuSE SLES9 2.6.5-7.201 or higher o SuSE SLES10 (China only) o SuSE SLES11 - Kernel 2.6.27.19-5 or greater o Asianux 1.0 2.4.21-27.EL or higher o Asianux 2.0 2.6.9-5.0.5.EL or higher 	<ul style="list-style-type: none"> o RHEL AS/ES 2.1 (Update 3 or higher) 2.4.9-e34 or higher o RHEL AS/ES 3.0 (Update 2 or higher) 2.4.21-15.EL or higher o RHEL4 (10.1.0.3.0 patchset required) refer to 10.1.0.3.0 Release Notes o SuSE SLES8 (Service Pack 3 or higher) 2.4.21-138 o SuSE SLES9 2.6.5-7.5 o Red Flag Advanced Server 4.0 (China only) o Miracle Linux Std Ed 2.1 (Japan only) o Asianux 1.0 	<ul style="list-style-type: none"> o Red Hat Enterprise AS/ES 2.1 2.4.9-e34 or higher o Red Hat Enterprise AS/ES 3.0 2.4.21-15 or higher o RHEL4 (9.2.0.6.0 patchset required or 9.2.0.5.0 patchset and Patch 4276910 required) refer to 9.2.0.4 Release Notes o SuSE SLES8 2.4.21-138 o SuSE SLES9 2.6.5-7.97 o United Linux 1.0 (SP3 or higher) o Red Flag DC Server 4.0 (China and Hong Kong only) o Monta Vista Carrier Grade Linux 3.0 (embedded) o Miracle Linux Std Ed 	<p>Caldera OU8+LKP, Red Hat 7.1, Advanced Server 2.1, SuSE 7.1, 7.2, SLES7, Kernel 2.4.4</p>	<p>Caldera OU8+LKP, Miracle 1.0, 2.0, Red Hat 6.1,6.2, EE 6.2, 7.0, 7.1, Advanced Server 2.1, SuSE 7.0, 7.1, 7.2, SLES7, Kernel 2.2.16</p>	<p>Miracle 1.0, Red Hat 6.0,6.1,6.2, EE 6.2, SuSE 6.3, 6.4, 7.0, VA 6.2, Kernel 2.2</p>	<p>Red Hat 6.2, EE 6.2, SuSE 6.3, 6.4, Kernel 2.2</p>	<p>Red Hat 6.2, SuSE 6.4, 7.0, Kernel 2.0.34</p>	<p>2.0.34</p>

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
					2.1 (Japan only) 2.4.7 o Asianux 1.0						
Linux x86 Disk Space	3.8G Database	2G Database 3.5G Install	1.2G Database 1.5 to 3.5G Install	1.2G Database 1.5G Software 1G Companion 150M-650M Client	4.5G	3.5G	900Mb	1G	811Mb	400Mb	400Mb
Linux x86 RAM	1GB	1GB	1GB	512Mb 256Mb(Client/Compan)	512Mb	512Mb	128Mb	128Mb	128Mb	32Mb	32Mb
Linux x86 swap	If RAM=1 GB to 2 GB then 1.5 times RAM If RAM=2 GB to 16 GB then equal to RAM If greater than 16 GB then 16 GB	If RAM between 1 GB and 2 GB then 1.5 times RAM elseif RAM between 2 GB and 16 GB then match RAM else RAM > 16 GB then 16 GB	If RAM = 1024MB to 2048Mb then 1.5 times RAM elseif RAM > 2048MB and < 8192MB then match RAM else RAM > 8192MB then .75 times RAM	1Gb or match RAM 512Mb(Client/Compan)	1Gb or match RAM	512Mb	400Mb	400Mb	256Mb	3*RAM	3*RAM
Linux x86 tmp	1024Mb	400Mb	400Mb	400Mb	400Mb	400Mb	75Mb	75Mb	75Mb	75Mb	20Mb
Linux x86 JDK & JRE	JDK (version TBS) is installed	JDK (version TBS) is installed	JDK 1.4.2_08 is installed	JDK 1.4.2_02 is installed	Sun JDK 1.3.1_02 & Blackdown 1.1.8_v3	Blackdown JDK 1.1.8_3 & 1.1.8_v3	JDK 1.2.2. & 1.1.8-3from IBM	1.1.8	1.1.6v5	n/a	n/a
Linux x86 Patches/ Packages	REHEL4, OEL4: Refer to Note 880211.1 <input type="checkbox"/> binutils 2.15.92.0.2-	Asianux 2.0,OEL4,RHEL4: refer to Note 430653.1 <input type="checkbox"/> default Update 3	RHEL3: default RPMS (see Note 376183.1) <input type="checkbox"/> gcc.2.3-34 <input type="checkbox"/> glibc2.3.2-	RHEL ES/AS 2.1: <input type="checkbox"/> make3.79 <input type="checkbox"/> gcc2.96-128 <input type="checkbox"/> gcc++-2.96-128	RHEL ES/AS 2.1: <input type="checkbox"/> glibc2.2.4 32 <input type="checkbox"/> make3.79 <input type="checkbox"/> openmotif-	make-3.79, and binutils-2.10.	GLIBC package version 2.1.3 or higher	GLIBC package version 2.1	GNU C Library, version 2.0.6 GLIBC package version 2.1	GNU C Library, version 2.0.7 TCL library (libtcl.so), version 8.0.2-16	GNU C Library, version 2.0.7 TCL library (libtcl.so), version 8.0.2-16

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
	<p>25</p> <ul style="list-style-type: none"> <input type="checkbox"/> compat libstdc++-33-3.2.3-47.3 <input type="checkbox"/> elfutils libelf-0.97.1-5 <input type="checkbox"/> glibc-2.3.4-2.41 <input type="checkbox"/> glibc-common-2.3.4-2.41 <input type="checkbox"/> libaio-0.3.105-2 <input type="checkbox"/> libgcc-3.4.6-10 <input type="checkbox"/> libstdc++-3.4.6-10 <input type="checkbox"/> make-3.80-7.EL4 <input type="checkbox"/> pdksh-5.2.14-30.6 <input type="checkbox"/> unixODBC-2.2.11-1.RHEL4.1 <input type="checkbox"/> The remaining Install Guide requirements will have to be installed: <input type="checkbox"/> elfutils libelf-devel-0.97.1-5.i386.rpm <input type="checkbox"/> glibc headers-2.3.4-2.41.i386.rpm <input type="checkbox"/> glibc kernheaders-devel-9.1.103.EL.i386.rpm will be required as a prerequisite <input type="checkbox"/> glibc-devel-2.3.4- 	<p>RPMs install or higher, see Note 376183.1</p> <ul style="list-style-type: none"> <input type="checkbox"/> binutils-2.15.92.0.2-18 * <input type="checkbox"/> compat libstdc++-33.2.3-47.3 * <input type="checkbox"/> elfutils libelf-0.97-5 * <input type="checkbox"/> elfutils libelf-devel-0.97-5 <input type="checkbox"/> glibc-2.3.4-2.19 * <input type="checkbox"/> glibc-common-2.3.4-2.19 * <input type="checkbox"/> glibc-devel-2.3.4-2.19 <input type="checkbox"/> glibc headers-2.3.4-2.19 (glibc-devel required RPM) <input type="checkbox"/> glibc kernheaders-devel-2.4-9.1.98 (glibc-devel required RPM) <input type="checkbox"/> gcc-4.5-2 <input type="checkbox"/> gcc++-3.4.5-2 <input type="checkbox"/> libaio-0.3.105-2 * <input type="checkbox"/> libaio-devel-0.3.105-2 <input type="checkbox"/> libgcc-3.4.5 * <input type="checkbox"/> libstdc++-3.4.5-2 * <input type="checkbox"/> libstdc++-devel-3.4.5-2 	<p>95.20</p> <ul style="list-style-type: none"> <input type="checkbox"/> make-3.79.1 <input type="checkbox"/> openmotif21-2.1.30-8 <input type="checkbox"/> compat db-4.0.14.5 <input type="checkbox"/> compat gcc-7.3-2.96.128 <input type="checkbox"/> compat gcc-c++-7.3-2.96.128 <input type="checkbox"/> compat libstdc++-7.3-2.96.128 <input type="checkbox"/> compat libstdc++-devel-7.3-2.96.128 <input type="checkbox"/> setarch-1.3-1 <input type="checkbox"/> XFree86 (Spatial only) <input type="checkbox"/> XFree86-devel (Spatial only) <p>RHEL4: refer to Note 343431.1</p> <p>default RPMS (see Note 376183.1)</p> <ul style="list-style-type: none"> <input type="checkbox"/> binutils-2.15.92.0.2-10.EL4 <input type="checkbox"/> compat db-4.1.25-9 <input type="checkbox"/> compat libstdc++-296-2.96-132.7.2 <input type="checkbox"/> compat libstdc++-33-3.2.3-47.3 <input type="checkbox"/> control 	<ul style="list-style-type: none"> <input type="checkbox"/> openmotif-2.1.30-11 <input type="checkbox"/> glibc-2.4-32 <input type="checkbox"/> libstdc++-2.96-128 <input type="checkbox"/> XFree86 (Spatial only) <input type="checkbox"/> XFree86-devel (Spatial only) <p>RHEL ES/AS 3: Refer to Note 394360.1</p> <ul style="list-style-type: none"> <input type="checkbox"/> default RPMS (see NOTE 376183.1) <input type="checkbox"/> gcc-3.2.3-34 <input type="checkbox"/> gcc++-3.2.3-34 <input type="checkbox"/> libstdc++-devel-3.2.3.3-34 <input type="checkbox"/> libaio-0.3.96-3.i386.rpm (required to configure Async IO) <input type="checkbox"/> libaio-devel-0.3.96-3.i386.rpm (required to configure Async IO) <input type="checkbox"/> XFree86 (Spatial only) <input type="checkbox"/> XFree86-devel (Spatial only) <p>set LD_ASSUME_</p>	<p>2.1.30</p> <ul style="list-style-type: none"> <input type="checkbox"/> gcc-2.96-128 <input type="checkbox"/> gcc++-2.96-128 <input type="checkbox"/> libstdc++-2.96-128 <p>RHEL ES/AS 3: Refer to Note 252217.1</p> <p>default RPMS (see Note 376183.1)</p> <ul style="list-style-type: none"> <input type="checkbox"/> glibc-2.3.2-95.20 <input type="checkbox"/> gcc-3.2.3-34 <input type="checkbox"/> make-3.79.1 <input type="checkbox"/> compat db-4.0.14.5 <input type="checkbox"/> compat gcc-7.3-2.96.128 <input type="checkbox"/> compat gcc-c++-7.3-2.96.128 <input type="checkbox"/> compat libstdc++-7.3-2.96.128 <input type="checkbox"/> compat libstdc++-devel-7.3-2.96.128 <input type="checkbox"/> gnome libs-1.4.1.2.90-34.1 <input type="checkbox"/> openmotif21-2.1.30-8 <input type="checkbox"/> setarch-1.3-1 <p>To be able to install patch</p>						

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
	<p>2.41.i386.rpm <input type="checkbox"/> gcc.4.6-10.i386.rpm <input type="checkbox"/> libstdc++-devel-3.4.6-10.i386.rpm <input type="checkbox"/> gcc++-3.4.6-10.i386.rpm <input type="checkbox"/> libaio-devel-0.3.105-2.i386.rpm <input type="checkbox"/> sysstat-5.0.5-19.el4.i386.rpm <input type="checkbox"/> unixODBC-devel-2.2.11-1.RHEL4.1.i386.rpm</p> <p>RHEL5, OEL5: Refer to Note 880936.1</p> <p>SLES10: Refer to Note 763386.1</p> <p>SLES11: Refer to Note 881025.1</p>	<p><input type="checkbox"/> make-3.80-5 * <input type="checkbox"/> sysstat-5.0.5 * <input type="checkbox"/> unixODBC-2.2.11-1.RHEL4 <input type="checkbox"/> unixODBC-devel-2.2.11-1.RHEL4 * default OS installed</p> <p>Asianux Server 3,OEL5,RHEL5: refer to Note 438765.1</p> <p><input type="checkbox"/> default RPM install, see Note 376183.1 <input type="checkbox"/> binutils-2.17.50.0.6-2.el5 * <input type="checkbox"/> compat-libstdc++-33-3.2.3-61 <input type="checkbox"/> elfutils-libelf-0.125-3.el5 * <input type="checkbox"/> elfutils-libelf-devel-0.125-3.el5 <input type="checkbox"/> elfutils-libelf-devel-static-0.125-3.el5 (required by elfutils-libelf-devel) <input type="checkbox"/> glib2.5-12 * <input type="checkbox"/> glibc-common-2.5-12 * <input type="checkbox"/> glibc</p>	<p>center-2.8.0-12 <input type="checkbox"/> gcc.4.3-9.EL4 <input type="checkbox"/> gcc++-3.4.3-9.EL4 <input type="checkbox"/> glib2.3.4-2 <input type="checkbox"/> glibc-common-2.3.4-2 <input type="checkbox"/> gnome-libs-1.4.1.2.90-44.1 <input type="checkbox"/> libstdc++-3.4.3-9.EL4 <input type="checkbox"/> libstdc++-devel-3.4.3-9.EL4 <input type="checkbox"/> make-3.80-5 <input type="checkbox"/> pdksh-5.2.14-30 <input type="checkbox"/> sysstat-5.0.5-1 <input type="checkbox"/> xscreensaver-4.18-5.rhel4.2 <input type="checkbox"/> openmotif21-2.1.30-11.RHEL4.2 (required to install Oracle demos) <input type="checkbox"/> libaio-0.3.102-1</p> <p>[Red Hat,Oracle] Enterprise Linux 5.0 Refer to Note 419646.1</p> <p><input type="checkbox"/> default RHEL5 RPMs</p>	<p>KERNEL=2.4.19</p> <p>RHEL4: Refer to Note 392940.1 Patch 4153257 required for installer to work</p> <p><input type="checkbox"/> default RPMS (see Note 376183.1) <input type="checkbox"/> binutils-2.15.92.0.2-10.EL4 <input type="checkbox"/> compat-db-4.1.25-9 <input type="checkbox"/> compat-libstdc++-296-2.96-132.7.2 <input type="checkbox"/> compat-libstdc++-33-3.2.3-47.3 <input type="checkbox"/> control-center-2.8.0-12 <input type="checkbox"/> gcc.4.3-9.EL4 <input type="checkbox"/> gcc++-3.4.3-9.EL4 <input type="checkbox"/> glib2.3.4-2 <input type="checkbox"/> glibc-common-2.3.4-2 <input type="checkbox"/> gnome-libs-1.4.1.2.90-44.1 <input type="checkbox"/> libstdc++-3.4.3-9.EL4 <input type="checkbox"/> libstdc++-devel-3.4.3-9.EL4</p>	<p>3006854 these RPMs need to be installed</p> <p><input type="checkbox"/> glibc-devel-2.3.2-95.6.i386.rpm <input type="checkbox"/> glibc-headers-2.3.2-95.20 <input type="checkbox"/> glibc-kernheaders-2.4-8.34 Additional steps: Note 252217.1 for additional setup requirements for RHEL3 and 9.2 x86 for Async I/O functionality to work you need to install Patch 3016968 on top of 9.2.0.3.0 or 9.2.0.4.0 or Patch 3208258 on top of 9.2.0.5.0 or 9.2.0.6.0</p> <p>RHEL4: Refer to Note 303859.1 default RPMS (see Note 376183.1)</p> <p><input type="checkbox"/> compat-db-4.1.25-9 <input type="checkbox"/> compat</p>						

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
		devel-2.5-12 <input type="checkbox"/> glibc headers-2.5-12 (required by glibc-devel) <input type="checkbox"/> gcc-4.1.1-52.el5 <input type="checkbox"/> gcc++-4.1.1-52.el5 <input type="checkbox"/> libaio-0.3.106 <input type="checkbox"/> libaio-devel-0.3.106 <input type="checkbox"/> libgcc-4.1.1-52 <input type="checkbox"/> libgomp-4.1.1-52.el5 (required by gcc) <input type="checkbox"/> libstdc++-4.1.1-52.el5 * <input type="checkbox"/> libstdc++-devel-4.1.1-52.el5 <input type="checkbox"/> make-3.81-1.1 * <input type="checkbox"/> sysstat-7.0.0-3.el5 <input type="checkbox"/> unixODBC-2.2.11-7.1 <input type="checkbox"/> unixODBC-devel-2.2.11-7.1 * default OS installed SLES10: refer to Note 452818.1 <input type="checkbox"/> default RPM install, see Note 386391.1 <input type="checkbox"/> binutils-2.16.91.0.5-	(see Note 376183.1) <input type="checkbox"/> default OELS RPMs (see Note 401167.1) <input type="checkbox"/> gcc++-4.1.1-52.el5.i386.rpm and all its dependent packages. The dependent packages are: gcc-4.1.1-52.el5.i386.rpm pm libstdc++-devel-4.1.1-52.el5.i386.rpm pm glibc-devel-2.5-12.i386.rpm glibc-headers-2.5-12.i386.rpm libgomp-4.1.1-52.el5.i386.rpm <input type="checkbox"/> libXp-1.0.0-8.i386.rpm <input type="checkbox"/> compat-gcc-34-3.4.6-4.i386rpm <input type="checkbox"/> compat-gcc-c++-34-3.4.6-4.i386rpm <input type="checkbox"/> compat-libstdc++-33-3.2.3-61.i386.rpm <input type="checkbox"/> sysstat-5.0.5-1.i386.rpm	<input type="checkbox"/> make-3.80-5 <input type="checkbox"/> pdksh-5.2.14-30 <input type="checkbox"/> sysstat-5.0.5-1 <input type="checkbox"/> xscreensaver-4.18-5.rhel4.2 <input type="checkbox"/> openmotif21-2.1.30-11.RHEL4.2 (required to install Oracle demos) <input type="checkbox"/> libaio-0.3.96 SuSE SLES8: Requires 10.1.0.3 Full Release (CD Release) <input type="checkbox"/> make-3.79.1 <input type="checkbox"/> gcc-3.2.2-38 <input type="checkbox"/> gcc++-3.2.2-38 <input type="checkbox"/> glibc-2.2-124 <input type="checkbox"/> openmotif-2.2.2-124 <input type="checkbox"/> xf86 (Spatial only) <input type="checkbox"/> xdevel (Spatial only) SuSE SLES9: Requires 10.1.0.3 Full Release (CD Release)	gcc-32-3.2.3-47.3 <input type="checkbox"/> compat-gcc-32-c++-3.2.3-47.3 <input type="checkbox"/> compat-oracle-rhel4-1.0-3 (obtain Patch 4198954) <input type="checkbox"/> compat-libcwait-2.0-1 (obtain Patch 4198954) <input type="checkbox"/> compat-libgcc-296-2.96-132.7.2 <input type="checkbox"/> compat-libstdc++-296-2.96-132.7.2 <input type="checkbox"/> compat-libstdc++-33-3.2.3-47.3 <input type="checkbox"/> gcc-3.4.3-9.EL4 <input type="checkbox"/> gcc++-3.4.3-9.EL4 <input type="checkbox"/> gnome-libs-1.4.1.2.90-44 <input type="checkbox"/> gnome-libs-devel-1.4.1.2.90-44 <input type="checkbox"/> libaio-devel-0.3.102-1 <input type="checkbox"/> libaio-0.3.102-1 <input type="checkbox"/> make-3.80-5 <input type="checkbox"/> openmotif21-2.1.30-11 <input type="checkbox"/> xorg-x11-deprecated-libs-devel-6.8.1-23.EL <input type="checkbox"/> xorg-x11-						

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
		23.4 * <input type="checkbox"/> compat libstdc++-5.0.7-22.2 * <input type="checkbox"/> glibc-31.2 * <input type="checkbox"/> glibc-devel-2.4-31.2 <input type="checkbox"/> gcc-4.1.0-28.4 <input type="checkbox"/> gcc-2.0.32-23.2 (required by sysstat) <input type="checkbox"/> gnuplot-4.0.0-20.2 (required by sysstat) <input type="checkbox"/> ksh93r-12.9 * <input type="checkbox"/> libaio-0.3.104-14.2 * <input type="checkbox"/> libaio-devel-0.3.104-14.2 <input type="checkbox"/> libelf-0.8.5-47.2 <input type="checkbox"/> libgcc-4.1.0-28.4 * <input type="checkbox"/> libstdc++-4.1.0-28.4 * <input type="checkbox"/> libstdc++-devel-4.1.0-28.4 <input type="checkbox"/> make-3.80-202.2 * <input type="checkbox"/> plotutils-2.4.1-591.2 (required by sysstat) <input type="checkbox"/> sysstat-6.0.2-16.4 <input type="checkbox"/> unixODBC-2.2.11-21.4 <input type="checkbox"/> unixODBC-devel-2.2.11-21.4 * default OS	(OEL5 only) SuSE SLES9: Refer to Note 400429.1 <input type="checkbox"/> default RPMs (see NOTE 386391.1) <input type="checkbox"/> glibc-devel-2.3.3-98.47.i586.rpm <input type="checkbox"/> gcc-3.3-43.34.i586.rpm <input type="checkbox"/> libstdc++-devel-3.3.3-43.34.i586.rpm <input type="checkbox"/> gcc++-3.3.3-43.34.i586.rpm <input type="checkbox"/> db-1.85-85.1.i586.rpm <input type="checkbox"/> orbit-0.5.17-330.1.i586.rpm <input type="checkbox"/> gnome-libs-1.4.1.7-671.1.i586.rpm <input type="checkbox"/> plotutils-2.4.1-575.1.i586.rpm <input type="checkbox"/> gnuplot-3.7.3-256.1.i586.rpm <input type="checkbox"/> sysstat-5.0.1-35.4.i586.rpm m.	<input type="checkbox"/> make-3.80 <input type="checkbox"/> gcc-3.3-43 <input type="checkbox"/> gcc++-3.3.3-43 <input type="checkbox"/> glibc-2.3.3-98 <input type="checkbox"/> libaio-0.3.98-18 <input type="checkbox"/> libaio-devel-0.3.98-18 <input type="checkbox"/> openmotif-libs-2.2.2-519.1 <input type="checkbox"/> xfree86 (Spatial only) <input type="checkbox"/> xfree86-devel (Spatial only)	deprecated-libs-6.8.1-23.EL Patch 4188455 required for installer to work Set LD_ASSUME_KERNEL=2.4.19 Post install you need to apply Patch 4190568 on top of the 9.2.0.6 patchset Note 303859.1 for more specific steps for 9.2.0.6 on RHEL4 SuSE SLES8: <input type="checkbox"/> gcc-2.2-38 <input type="checkbox"/> glibc-2.2-124 <input type="checkbox"/> make-3.79.1 <input type="checkbox"/> openmotif-2.2.2-124 SuSE SLES9: Refer to Note 427976.1 default RPMs (see Note 386391.1) <input type="checkbox"/> glibc-2.3.3 <input type="checkbox"/> gcc-3.3 <input type="checkbox"/> gcc++-						

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5	
		installed	<p>SLES10: refer to Note 387137.1</p> <p><input type="checkbox"/> default RPM install, see Note 386391.1</p> <p><input type="checkbox"/> glibc devel-2.4-31.2.i586.rpm</p> <p><input type="checkbox"/> gcc-4.1.0-28.4.i586.rpm</p> <p><input type="checkbox"/> libstdc++ devel-4.1.0-28.4.i586.rpm</p> <p><input type="checkbox"/> gcc++-4.1.0-28.4.i586.rpm</p> <p><input type="checkbox"/> libaio devel-0.3.104-14.2.i586.rpm</p>		<p>3.3.3 <input type="checkbox"/> libaio 0.3.98 <input type="checkbox"/> libaio devel-0.3.98 <input type="checkbox"/> make3.80 <input type="checkbox"/></p> <p>openmotif-libs-2.2.2-519.1</p> <p><input type="checkbox"/> orarun 1.8-109</p> <p>Additional steps for SLES9 for 9.2 32bit x86: Install 9.2.0.4 (Complete release) and then apply 9.2.0.5 and 9.2.0.5 one-off Patch 3809563 or 9.2.0.6 patchset</p> <p>If using Bourne, Bash, or Korn shell: (/usr/lib/libInternalSymbols.so can be obtained from the orarun package) ORACLE_BASE ; export ORACLE_BASE LD_ASSUME_KERNEL=2.4.21; export LD_ASSUME_KERNEL LD_PRELOAD=/usr/lib/libInternalSymb</p>							

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
					ols.so ; export LD_PRELOAD for Async I/O functionality to work you need to install Patch 3208258 on top of 9.2.0.5.0 or 9.2.0.6.0						
Linux x86 Kernel Settings	kernel.shmmni = 4096 kernel.sem = 250 32000 100 128 fs.file-max = 6815744 net.ipv4.ip_local_port_range = 9000 65500 net.core.rmem_default = 262144 net.core.rmem_max = 4194304 net.core.wmem_default = 262144 net.core.wmem_max = 1048576	SEMMSL 250 SEMMNS 32000 SEMMNI 128 SEMOPM 100 SHMMAX RAM times 0.5 but not greater than 4Gb (Note 567506.1) SHMMNI 4096 SHMALL = SHMMAX/page size FILE-MAX =6815744 IP_LOCAL_P ORT_RANGE 9000 65500 RMEM_DEFAULT 262144 RMEM_MAX 4194304 WMEM_DEFAULT 262144 WMEM_MAX 1048576	SuSE SLES9: SEMMSL 250 SEMMNS 32000 SEMMNI 128 SEMOPM 100 SHMMAX RAM times 0.5 but not greater than 4Gb (Note 567506.1) SHMMNI 4096 SHMALL = SHMMAX/page size FILE-MAX 65536 IP_LOCAL_P ORT_RANGE 9000 65500 RMEM_DEFAULT 262144 RMEM_MAX 2097152 WMEM_DEFAULT 262144 WMEM_MAX 262144 Other Linux OS:	SEMMSL 250 SEMMNS 32000 SEMMNI 128 SEMOPM 100 SEMVMX 32767 SHMMAX 2147483648 One-half the size of your system's physical memory. Check your system for additional restrictions. SHMMIN 1 SHMMNI 4096 SHMSEG 4096 SHMSEG 4096	SEMMSL 250 SEMMNS 256 SEMMNI 100 SEMOPM 100 SEMVMX 32767 SHMMAX 2147483648 One-half the size of your system's physical memory. Check your system for additional restrictions. SHMMIN 1 SHMMNI 4096 SHMSEG 4096	SEMMSL 250 SEMMNS 256 SEMMNI 100 SEMOPM 100 SEMVMX 32767 SHMMAX 2147483648 One-half the size of your system's physical memory. Check your system for additional restrictions. SHMMIN 1 SHMMNI 4096 SHMSEG 4096	SHMMAX 0.5*(physical memory present in machine) but not greater than 4Gb SHMMIN 1 SHMMNI 100 SHMSEG 10 SEMMNI 100 SEMMSL Set to 10 plus the largest PROCESSES parameter of any Oracle database on the system. SEMMNS Set to the sum of the PROCESSES parameter for each Oracle database, adding the largest one twice, then add an additional 10 for each database. SEMOPM 100 SEMVMX	SHMMAX 0.5*(physical memory present in machine) but not greater than 4Gb SHMMIN 1 SHMMNI 100 SHMSEG 10 SEMMNI 100 SEMMSL Set to 10 plus the largest PROCESSES parameter of any Oracle database on the system. SEMMNS Set to the sum of the PROCESSES parameter for each Oracle database, adding the largest one twice, then add an additional 10 for each database. SEMOPM 100 SEMVMX	SHMMAX 0.5*(physical memory present in machine) but not greater than 4Gb SHMMIN 1 SHMMNI 100 SHMSEG 10 SEMMNI 100 SEMMSL Set to 10 plus the largest PROCESSES parameter of an Oracle database on the system. SEMMNS Set to the sum of the PROCESSES parameter for each Oracle database except the largest one, plus 2 times the largest PROCESSES value, plus 10 times the number of Oracle	SHMMAX (1/4 of RAM) but not greater than 4Gb SHMMIN 1 SHMMNI 100 SHMSEG 10 SEMMNS 200 SEMMNI 70 SEMMSL Equal to or greater than the value of the PROCESSES initialization parameter.	SHMMAX (1/4 of RAM) but not greater than 4Gb SHMMIN 1 SHMMNI 100 SHMSEG 10 SEMMNS 200 SEMMNI 70 SEMMSL Equal to or greater than the value of the PROCESSES initialization parameter.

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
			SEMMSL 250 SEMMNS 32000 SEMMNI 128 SEMOPM 100 SHMMAX RAM times 0.5 but not greater than 4Gb (Note 567506.1) SHMMNI 4096 SHMALL = SHMMAX/pa gesize FILE-MAX 65536 IP_LOCAL_P ORT_RANGE 9000 65500 RMEM_DEFA ULT 262144 RMEM_MAX 2097152 WMEM_DEF AULT 262144 WMEM_MA X 262144				32767	32767	databases. SEMOPM 100 SEMVMX 32767		
Linux x86_64 EM64T AMD64 OS (See Note 225710.1 for supported kernels) and Note 265262.1 for "Things to know about Linux"	<ul style="list-style-type: none"> o RHEL4,OEL4 - update 7 or greater o RHEL5,OEL5 - 5.2 or greater o SLES10 - Kernel 2.6.16.21-0.8 or greater o SLES11 - Kernel 2.6.27.19-5 or greater o Asianux 	<ul style="list-style-type: none"> <input type="checkbox"/> Asianux 2.0, [Red Hat,Oracle] Enterprise Linux 4.0: 2.6.9 <input type="checkbox"/> Asianux Server 3, [Red Hat,Oracle] Enterprise Linux 5.0: 2.6.18 <input type="checkbox"/> SUSE Linux Enterprise Server 10: 2.6.16.21 	<ul style="list-style-type: none"> o Red Hat Enterprise Linux (RHEL 3) AS/ES (Update 4 or later) o RHEL4 AS/ES (Update 1 or later) or OEL4 o RHEL5 AS/ES or OEL5 o SUSE Linux 	<ul style="list-style-type: none"> o Red Hat Enterprise AS/ES 3.0 (Update 2 or higher) o Red Hat Enterprise AS/ES 4.0 (Update 1 or higher) o Red Hat Enterprise AS/ES 4.0 minimum patchset level is 9.2.0.7.0 o SuSE SLES8 2.4.21-185 o SuSE SLES9 9.2.0.6 Required - needed for 							

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
	Server 3 SP2		Enterprise Server 9.0 (SLES9) with SP2 or later 2.6.5-7.201 o SuSE Linux Enterprise Server 10 (SLES10) 2.6.16.21-0.8 (or later) o Asianux 2.0	smp o SuSE SLES9 2.6.5-7.97 o Asianux 1.0 requires 10.1.0.3	EM64T patch 4261532 & patch 4233179						
Linux x86_64 EM64T AMD64 Disk Space	3.8Gb Database	1.68G Database 3.8G to 4.4G Software	1.2G Database 1.5 to 3.5G Install	1.2G Database 1.5G Software 1G Companion 150M-650M Client	4.5G						
Linux x86_64 EM64T AMD64 RAM	4GB	1GB	1GB	512Mb 256Mb(Client/Compan)	512Mb						
Linux x86_64 EM64T AMD64 swap	If RAM 1 GB and 2 GB then 1.5 times the size fo RAM. If RAM 2 GB to 16 GB then equal to the size of RAM. If RAM greater than 16 GB then 16 GB.	If RAM 1 GB and 2 GB then 1.5 times the size fo RAM. If RAM 2 GB to 16 GB then equal to the size fo RAM. If RAM greater than 16 GB then 16 GB Automatic Memory Management Starting with Oracle Database 11g, the	If RAM = 1024MB to 2048Mb then 1.5 times RAM elseif RAM > 2048MB and < 8192MB then match RAM else RAM > 8192MB then .75 times RAM	1Gb or match RAM 512Mb(Client/Compan)	1Gb or match RAM						

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
		<p>Automatic Memory Management feature requires more shared memory (/dev/shm) and file descriptors. The shared memory should be sized to be at least the greater of MEMORY_MAX_TARGET and MEMORY_TARGET for each Oracle instance on the computer. To determine the amount of shared memory available, enter the following command: # df -k /dev/shm/</p> <p>Note: MEMORY_MAX_TARGET and MEMORY_TARGET cannot be used when LOCK_SGA is enabled or with huge pages on Linux</p>									

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
Linux x86_64 EM64T AMD64 tmp	1024Mb	400Mb	400Mb	400Mb	400Mb						
Linux x86_64 EM64T AMD64 JDK & JRE	You can use Sun JDK 1.5.0-06 with the JNDI extension JDK versions with the Oracle Java Database Connectivity and Oracle Call Interface drivers. However, these are not mandatory for the installation	You can use Sun JDK 1.5.0-06 with the JNDI extension JDK versions with the Oracle Java Database Connectivity and Oracle Call Interface drivers. However, these are not mandatory for the installation	JDK 1.4.2_08 is installed	JDK 1.4.2_02 is installed	o Sun JDK 1.4.2_03 is installed						
Linux x86_64 EM64T AMD64 Patches/ Packages	RHEL5,OEL5: Refer to Note 880989.1 binutils-2.17.50.0.6-6.el5 (x86_64) compat-libstdc++-33-3.2.3-61 (x86_64) << both ARCH's are required. See next line. compat-libstdc++-33-3.2.3-61 (i386) << both ARCH's are required. See previous line. elfutils-libelf-0.125-3.el5 (x86_64)	Asianux 2.0 [Oracle, Red Hat] Enterprise Linux 4.0 (See Note 437123.1): <input type="checkbox"/> default RPMs (see Note 376183.1) <input type="checkbox"/> binutils 2.15.92.0.2 <input type="checkbox"/> compat-libstdc++-33-3.2.3 <input type="checkbox"/> compat-libstdc++-33-3.2.3 (32 bit) <input type="checkbox"/> elfutils libelf-0.97 <input type="checkbox"/> gcc 4.5	Red Hat Enterprise Linux 3.0: Refer to Note 353735.1 <input type="checkbox"/> default RPMs (see Note 376183.1) <input type="checkbox"/> compatdb 4.0.14-5.1 <input type="checkbox"/> compat gcc-7.3-2.96.128 (32 bit) <input type="checkbox"/> compat gcc-c++-7.3-2.96.128 (32 bit) <input type="checkbox"/> compat libstdc++-7.3-2.96.128 (32 bit) <input type="checkbox"/> compat libstdc++	RHEL 3 (Update 2): Refer to Note 351679.1 <input type="checkbox"/> default RPMs (see NOTE 376183.1) <input type="checkbox"/> make 3.79.1 <input type="checkbox"/> gcc 3.2.3-34 <input type="checkbox"/> glibc 2.3.2-95.20 <input type="checkbox"/> glibc devel-2.3.2-95.20 <input type="checkbox"/> glibc devel-2.3.2-95.20 (32 bit) <input type="checkbox"/> compat db-4.0.14-5 <input type="checkbox"/> compat gcc-7.3-2.96.128 (32	RHEL ES/AS 3 Please refer to Note: 308588.1 LD_ASSUME_KERNEL=2.4.19 <input type="checkbox"/> glibc 2.3.2-95.x86_64 <input type="checkbox"/> gcc 3.2.3-24.x86_64 <input type="checkbox"/> gcc++-3.2.3-24.x86_64 <input type="checkbox"/> libstdc++ 3.2.3-24.i386 <input type="checkbox"/> libstdc++ devel-3.2.3-24.x86_64 <input type="checkbox"/> libstdc++ 3.2.3-24.x86_64 <input type="checkbox"/> glibc devel-2.3.2-95.3.i386						

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
	<p>glibc-2.5-24 (x86_64) << both ARCH's are required. See next line.</p> <p>glibc-2.5-24 (i686) << both ARCH's are required. See previous line.</p> <p>glibc-common-2.5-24 (x86_64) ksh-20060214-1.7 (x86_64) libaio-0.3.106-3.2 (x86_64) << both ARCH's are required. See next line.</p> <p>libaio-0.3.106-3.2 (i386) << both ARCH's are required. See previous line.</p> <p>libgcc-4.1.2-42.el5 (i386) << both ARCH's are required. See next line.</p> <p>libgcc-4.1.2-42.el5 (x86_64) << both ARCH's are required. See previous line.</p> <p>libstdc++-4.1.2-42.el5 (x86_64) << both ARCH's are required. See next line.</p> <p>libstdc++-4.1.2-42.el5 (x86_64) << both ARCH's are required. See next line.</p>	<p><input type="checkbox"/> gcc++-3.4.5</p> <p><input type="checkbox"/> glibc2.3.4-2.19</p> <p><input type="checkbox"/> glibc2.3.4-2.19 (32 bit)</p> <p><input type="checkbox"/> glibc common-2.3.4</p> <p><input type="checkbox"/> glibc devel-2.3.4</p> <p><input type="checkbox"/> glibc devel-2.3.4 (32-bit)</p> <p><input type="checkbox"/> libaio 0.3.105</p> <p><input type="checkbox"/> libaio 0.3.105 (32 bit)</p> <p><input type="checkbox"/> libaio devel-0.3.105</p> <p><input type="checkbox"/> libgcc 3.4.5</p> <p><input type="checkbox"/> libgcc 3.4.5 (32-bit)</p> <p><input type="checkbox"/> libstdc++ 3.4.5</p> <p><input type="checkbox"/> libstdc++ 3.4.5 (32 bit)</p> <p><input type="checkbox"/> libstdc++ devel 3.4.5</p> <p><input type="checkbox"/> make3.80</p> <p><input type="checkbox"/> sysstat 5.0.5</p> <p>Asianux Server 3 [Oracle, Red Hat] Enterprise Linux 5.0 (see Note 438766.1):</p> <p><input type="checkbox"/> default RHEL5 RPMs (see Note 376183.1)</p>	<p>devel-7.3-2.96.128 (32 bit)</p> <p><input type="checkbox"/> control center-2.2.0.1-13</p> <p><input type="checkbox"/> gcc3.2.3-47</p> <p><input type="checkbox"/> gcc++-3.2.3-47</p> <p><input type="checkbox"/> gdb 6.1post-1.20040607.52</p> <p><input type="checkbox"/> glibc2.3.2-95.30</p> <p><input type="checkbox"/> glibc common-2.3.2-95.30</p> <p><input type="checkbox"/> glibc devel-2.3.2-95.30</p> <p><input type="checkbox"/> glibc devel-2.3.2-95.20 (32 bit)</p> <p><input type="checkbox"/> gnome libs-1.4.1.2.90-34.2 (32 bit)</p> <p><input type="checkbox"/> libaio 0.3.96-3</p> <p><input type="checkbox"/> libaio devel-0.3.96-3</p> <p><input type="checkbox"/> libstdc++-3.2.3-47</p> <p><input type="checkbox"/> libstdc++ devel-3.2.3-47</p> <p><input type="checkbox"/> make 3.79.1-17</p> <p><input type="checkbox"/> openmotif-2.2.3-3.RHEL3</p> <p><input type="checkbox"/> sysstat 5.0.5-5.rhel3</p> <p><input type="checkbox"/> setarch 1.3-1</p>	<p>bit)</p> <p><input type="checkbox"/> compat gcc-c++-7.3-2.96.128 (32 bit)</p> <p><input type="checkbox"/> compat libstdc++-7.3-2.96.128 (32 bit)</p> <p><input type="checkbox"/> compat libstdc++-devel-7.3-2.96.128 (32 bit)</p> <p><input type="checkbox"/> compat libstdc++-devel-7.3-2.96.128 (32 bit)</p> <p><input type="checkbox"/> gdb devel-7.3-2.96.128 (32 bit)</p> <p><input type="checkbox"/> gnome libs-1.4.1.2.90-34.1 (32 bit)</p> <p><input type="checkbox"/> openmotif21 -2.1.30-8 (32 bit)</p> <p><input type="checkbox"/> setarch 1.3-1</p> <p><input type="checkbox"/> libaio 0.3.96-3</p> <p><input type="checkbox"/> libaio devel-0.3.96-3</p> <p><input type="checkbox"/> XFree86 libs-4.3.0-62 (32bit)</p> <p>RHEL 4: Refer to Note 390900.1. Requires Metalink patch 5201236Bug 4387087</p> <p><input type="checkbox"/> default RPMs (see NOTE 376183.1)</p> <p><input type="checkbox"/> glibc kernheaders-2.4-9.1.87</p>	<p>(Foot 1)</p> <p><input type="checkbox"/> glibc2.3.2-95.6.i686</p> <p><input type="checkbox"/> make 3.79.1.x86_64</p> <p><input type="checkbox"/> gnome libs-1.4.1.2.90-34.1.i386 (Foot 2)</p> <p><input type="checkbox"/> ORBit 0.5.17-10.4.i386</p> <p><input type="checkbox"/> audiofile 0.2.3-7.1.i386</p> <p><input type="checkbox"/> esound 0.2.28-5.1.i386</p> <p><input type="checkbox"/> gtk+ 1.2.10-27.1.i386</p> <p><input type="checkbox"/> imlib 1.9.13-12.i386</p> <p><input type="checkbox"/> libpng10 1.0.13-8.i386</p> <p><input type="checkbox"/> libungif 4.1.0-15.i386</p> <p><input type="checkbox"/> tcp_wrappers-7.6-34.i386</p> <p><input type="checkbox"/> setarch 1.3-1.x86_64</p> <p><input type="checkbox"/> libaio 0.3.96-3.x86_64</p> <p>Note:The x86_64 rpms are on the RHEL 3 x86_64 distribution. The i386 rpms are on the RHEL 3 x86 distribution.</p>						

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
	<p>4.1.2-42.el5 (i386) << both ARCH's are required. See previous line.</p> <p>make-3.81-3.el5 (x86_64)</p> <p>The remaining Install Guide requirements will have to be installed: elfutils-libelf-devel-0.125-3.el5.x86_64.rpm</p> <p>a.) requires elfutils-libelf-devel-static-0.125-3.el5.x86_64.rpm as a prerequisite, as listed below.</p> <p>b.) elfutils-libelf-devel and elfutils-libelf-devel-static each depend upon the other. Therefore, they must be installed together, in one (1) "rpm -ivh" command as follows:</p> <p>rpm -ivh elfutils-libelf-devel-0.125-3.el5.x86_64.rpm elfutils-libelf-devel-static-0.125-</p>	<p><input type="checkbox"/> default OEL5 RPMs (see Note 401167.1)</p> <p><input type="checkbox"/> binutils 2.17.50.0.6</p> <p><input type="checkbox"/> compat libstdc++-33-3.2.3</p> <p><input type="checkbox"/> compat libstdc++-33-3.2.3 (32 bit)</p> <p><input type="checkbox"/> elfutils libelf-0.125</p> <p><input type="checkbox"/> elfutils libelf-devel-0.125</p> <p><input type="checkbox"/> gcc-4.1.1</p> <p><input type="checkbox"/> gcc++-4.1.1</p> <p><input type="checkbox"/> glibc-2.5-12</p> <p><input type="checkbox"/> glibc-2.5-12 (32 bit)</p> <p><input type="checkbox"/> glibc common-2.5</p> <p><input type="checkbox"/> glibc devel-2.5</p> <p><input type="checkbox"/> glibc devel-2.5-12 (32 bit)</p> <p><input type="checkbox"/> libaio 0.3.106</p> <p><input type="checkbox"/> libaio 0.3.106 (32 bit)</p> <p><input type="checkbox"/> libaio-devel-0.3.106</p> <p><input type="checkbox"/> libgcc 4.1.1</p> <p><input type="checkbox"/> libgcc 4.1.1 (32 bit)</p> <p><input type="checkbox"/> libstdc++ 4.1.1</p> <p><input type="checkbox"/> libstdc++ 4.1.1 (32 bit)</p> <p><input type="checkbox"/> libstdc++ devel 4.1.1</p> <p><input type="checkbox"/> make-3.81</p>	<p>[Red Hat, Oracle] Enterprise Linux 4.0: Refer to Note 339510.1</p> <p><input type="checkbox"/> default RPMs (see Note 376183.1)</p> <p><input type="checkbox"/> binutils 2.15.92.0.2-13.0.0.0.2.x86_64</p> <p>Download here or you can install binutils-2.15.92.0.2-18.x86_64.rpm from RHEL4 Update 3.</p> <p><input type="checkbox"/> compat db-4.1.25-9.x86_64.rpm</p> <p><input type="checkbox"/> compat-gcc-32-c++ (see Note 430526.1)</p> <p>Patch 5240469 to correct bad genocchish file</p> <p><input type="checkbox"/> compat-libstdc++-33-3.2.3-47.3.x86_64.rpm</p> <p><input type="checkbox"/> compat-libstdc++-33-3.2.3-47.3.i386.rpm</p> <p><input type="checkbox"/> control center-2.8.0-</p>	<p>(x86_64)</p> <p><input type="checkbox"/> glibc headers-2.3.4-2.9 (x86_64)</p> <p><input type="checkbox"/> glibc devel-2.3.4-2.9 (x86_64)</p> <p><input type="checkbox"/> glibc devel-2.3.4-2.9 (i386)</p> <p><input type="checkbox"/> libstdc++ devel-3.4.3-22.1 (x86_64)</p> <p><input type="checkbox"/> gcc-4.3-22.1 (x86_64)</p> <p><input type="checkbox"/> gcc++-3.4.3-22.1 (x86_64)</p> <p><input type="checkbox"/> sysstat 5.0.5-1 (x86_64)</p> <p>Note: openmotif21-2.1.30-11.RHEL4.2 is required to install Oracle demos.</p> <p>GNU Compiler Collection (GCC) 2.96 is not supported on Red Hat Enterprise Linux 4.0. Gcc 3.2.3 is required for OCCI application</p> <p>SuSE SLES8 (Service Pack</p>	<p>o Footnote 1 This package might require the --force option during installation.</p> <p>o Footnote 2 This package might require the --force option during installation if 64-bit gnome packages are installed.</p> <p>Oracle recommends that you do not install 64-bit gnome packages if they are not required for other applications.</p> <p>RHEL ES/AS 4</p> <p>Please refer to Note: 353529.1</p> <p><input type="checkbox"/> "default-RPMs" installation of RHEL AS/ES 4 update 1. Additional RPMs may be needed if a "less-than-default-RPMs" installation</p>						

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
	<p>3.el5.x86_64.rpm glibc-headers-2.5-24.x86_64.rpm a.) requires kernel-headers-2.6.18-92.el5.x86_64.rpm as a prerequisite, as listed below glibc-devel-2.5-24.x86_64.rpm << both ARCH's are required. See next item. glibc-devel-2.5-24.i386.rpm << both ARCH's are required. See previous item. gcc-4.1.2-42.el5.x86_64.rpm a.) requires libgomp-4.1.2-42.el5.x86_64.rpm as a prerequisite, as listed below libstdc++-devel-4.1.2-42.el5.x86_64.rpm gcc-c++-4.1.2-42.el5.x86_64.rpm libaio-devel-</p>	<p><input type="checkbox"/> sysstat 7.0.0 SuSE SLES 10 Note 457143.1): default-RPMs (see NOTE 386391.1) <input type="checkbox"/> binutils 2.16.91.0.5 <input type="checkbox"/> compat-libstdc++-5.0.7-22.2 <input type="checkbox"/> gcc4.1.0 <input type="checkbox"/> gcc++-4.1.0 <input type="checkbox"/> glibc2.4-31.2 <input type="checkbox"/> glibc 32bit-2.4-31.2 (32 bit) <input type="checkbox"/> glibc devel-2.4 <input type="checkbox"/> glibc devel-32bit-2.4 (32 bit) <input type="checkbox"/> libaio 0.3.104 <input type="checkbox"/> libaio 32bit-0.3.104 (32 bit) <input type="checkbox"/> libaio devel-0.3.104 <input type="checkbox"/> libelf0.8.5 <input type="checkbox"/> libgcc 4.1.0 <input type="checkbox"/> libstdc++ 4.1.0 <input type="checkbox"/> libstdc++ devel-4.1.0 <input type="checkbox"/> make3.80 <input type="checkbox"/> sysstat 6.0.2 Note: If you</p>	<p>12.x86_64.rpm <input type="checkbox"/> gcc3.4.3-47.x86_64.rpm <input type="checkbox"/> gcc++-3.4.3-47.x86_64.rpm <input type="checkbox"/> glibc2.3.4-2.9.x86_64.rpm <input type="checkbox"/> glibc2.3.4-2.9.i386.rpm <input type="checkbox"/> glibc common-2.3.4-2.9.x86_64.rpm <input type="checkbox"/> glibc devel-2.3.4-2.9.x86_64.rpm <input type="checkbox"/> glibc 32bit-2.3.4-2.9.x86_64.rpm <input type="checkbox"/> glibc devel-2.3.4-2.9.i386.rpm <input type="checkbox"/> glibc headers-2.3.4-2.9.x86_64.rpm <input type="checkbox"/> glibc kernheaders-2.4-9.1.87.x86_64.rpm <input type="checkbox"/> glibc 32bit-9 (Bug 4405422) <input type="checkbox"/> glibc devel-32bit-9 (Bug 4405422) <input type="checkbox"/> libaio 0.3.98-18 <input type="checkbox"/> libaio devel-0.3.98-18 <input type="checkbox"/> make3.80 <input type="checkbox"/> openmotif-libs-2.2.2-519.1 <input type="checkbox"/> libstdc++</p>	<p>3 or later): <input type="checkbox"/> make 3.79.1 <input type="checkbox"/> gcc3.3.3-43 <input type="checkbox"/> gcc++-3.3.3-43 <input type="checkbox"/> glibc2.5-213 <input type="checkbox"/> glibc 32bit-8.1-9 <input type="checkbox"/> glibc devel-32bit-8.1-9 <input type="checkbox"/> openmotif-2.2.2-124 <input type="checkbox"/> libaio 0.3.96-3 <input type="checkbox"/> libaio devel-0.3.96-3 SuSE SLES9: <input type="checkbox"/> gcc3.3.3-43 <input type="checkbox"/> gcc++-3.3.3-43 <input type="checkbox"/> glibc2.3.3-98 <input type="checkbox"/> glibc 32bit-9 (Bug 4405422) <input type="checkbox"/> glibc devel-32bit-9 (Bug 4405422) <input type="checkbox"/> libaio 0.3.98-18 <input type="checkbox"/> libaio devel-0.3.98-18 <input type="checkbox"/> make3.80 <input type="checkbox"/> openmotif-libs-2.2.2-519.1</p>	<p>of RHEL AS/ES 4 update 1 is performed. <input type="checkbox"/> compat-gcc-32-3.2.3-47.3.x86_64.rpm <input type="checkbox"/> compat-gcc-32-c++-3.2.3-47.3.x86_64.rpm <input type="checkbox"/> glibc kernheaders-2.4-9.1.87.x86_64.rpm <input type="checkbox"/> glibc headers-2.3.4-2.9.x86_64.rpm <input type="checkbox"/> glibc devel-2.3.4-2.9.x86_64.rpm <input type="checkbox"/> libstdc++ devel-3.4.3-22.1.x86_64.rpm <input type="checkbox"/> glibc devel-2.3.4-2.9.i386.rpm <input type="checkbox"/> libaio 0.3.103-3.x86_64.rpm <input type="checkbox"/> OFBit 0.5.17-14.i386.rpm <input type="checkbox"/> gnome-libs-1.4.1.2.90-44.1.i386.rpm The x86_64 packages are on the Red Hat</p>						

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
	<p>0.3.106-3.2.x86_64.rpm << both ARCH's are required. See next item</p> <p>libaio-devel-0.3.106-3.2.i386.rpm << both ARCH's are required. See previous item.</p> <p>sysstat-7.0.2-1.el5.x86_64.rpm</p> <p>unixODBC-2.2.11-7.1.x86_64.rpm << both ARCH's are required. See next item</p> <p>unixODBC-2.2.11-7.1.i386.rpm << both ARCH's are required. See previous item.</p> <p>unixODBC-devel-2.2.11-7.1.x86_64.rpm << both ARCH's are required. See next item</p> <p>unixODBC-devel-2.2.11-7.1.i386.rpm << both ARCH's are required. See previous item.</p> <p>RHEL4,OEL4: Refer to Note</p>	<p>did not perform a default Linux installation, you intend to use LDAP, and you want to use the scripts odisrvreg, oidca, or schemasync, then install the Korn shell RPM for your Linux distribution.</p>	<p>3.4.3-22.1.x86_64</p> <ul style="list-style-type: none"> <input type="checkbox"/> libstdc++-devel-3.4.3-22.1.x86_64 <input type="checkbox"/> make-3.80-5.x86_64.rpm <input type="checkbox"/> pdksh-5.2.14-30.x86_64.rpm <input type="checkbox"/> sysstat-5.0.5-1.x86_64.rpm <input type="checkbox"/> utilinux-2.12a-16.EL4.23.x86_64 (for raw devices) <input type="checkbox"/> xorg-x11-deprecated-libs-6.8.1-23 <input type="checkbox"/> xscreensaver-4.18-5.rhel4.2.x86_64.rpm <p>[Red Hat,Oracle] Enterprise Linux 5.0 Refer to Note 421308.1</p> <p>Since RHEL5/OEL5 are not recognized by runInstaller do: ./runinstaller -ignoreSysPre reqs</p>		<p>Enterprise Linux 4 x86-64 distribution. The i386 packages are also on the Red Hat Enterprise Linux 4 x86-64 distribution.</p> <p>SuSE SLES8 (Service Pack 3 or higher)</p> <ul style="list-style-type: none"> <input type="checkbox"/> glibc-2.5-213.x86_64 <input type="checkbox"/> glibc-32bit-8.1-9.i586 <input type="checkbox"/> glibc-devel-32bit-8.1-9.i586 <input type="checkbox"/> gcc-3.3-43.x86_64 <input type="checkbox"/> gcc-c++-3.3-43.x86_64 <input type="checkbox"/> libstdc++-33-3.3-43.x86_64 <input type="checkbox"/> libstdc++-devel-33-3.3-43.x86_64 <input type="checkbox"/> make-3.79.1-42.x86_64 <input type="checkbox"/> libaio-0.3.15-138.x86_64 (This version of libaio is required for asynchronous I/O.) <p>Note: Create a symbolic</p>						

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5	
	880942.1 SLES10:- Refer to Note 884435.1 SLES11 :- Refer to Note 881044.1		<input type="checkbox"/> default RHEL5 RPMs (see Note 376183.1) <input type="checkbox"/> default OEL5 RPMs (see Note 401167.1) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> compat libstdc++-33-3.2.3-61.i386.rpm <input type="checkbox"/> compat libstdc++-33-3.2.3-61.x86_64.rpm <input type="checkbox"/> gcc++-4.1.1-52.el5.x86_64.rpm and all its dependent packages. The dependent packages are: libstdc++-devel-4.1.1-52.el5.x86_64.rpm glibc-headers-2.5-12.x86_64.rpm glibc-devel-2.5-12.i386.rpm glibc-devel-2.5-12.x86_64.rpm m libgomp-4.1.1-52.el5.x86_64.rpm gcc-4.1.1-		link such that /usr/bin/gcc points to /opt/gcc33/bin/gcc. Otherwise the installation fails with relinking errors. SuSE SLES9 Please refer to Note: 361169.1 Set LD_ASSUME_KERNEL=2.4.20 <input type="checkbox"/> compat 2004.7.1-1.2 <input type="checkbox"/> compat 32bit-9-200407011229 <input type="checkbox"/> XFree86 libs-4.3.99.902-43.22 <input type="checkbox"/> XFree86 libs-32bit-9-200407011229 <input type="checkbox"/> libaio devel-0.3.98-18.4 <input type="checkbox"/> libaio 32bit-9-200407011229 <input type="checkbox"/> libaio 0.3.98-18.4 <input type="checkbox"/> libaio devel-32bit-9-200407011229							

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
			<p>52.el5.x86_64.rpm <input type="checkbox"/> libXp 1.0.0-8.i386.rpm <input type="checkbox"/> sysstat 7.0.0-3.el5.x86_64.rpm <input type="checkbox"/> utilinux-2.13-0.44.el5.x86_64 (for raw devices)</p> <p>SUSE Linux Enterprise Server 9: Refer to Note 365607.1</p> <p><input type="checkbox"/> default RPMs (see NOTE 386391.1) <input type="checkbox"/> binutils 2.15.90.0.1.1-32.5 <input type="checkbox"/> db 4.1.85-85.1 <input type="checkbox"/> gcc 3.3-43.24 <input type="checkbox"/> gcc++ 3.3-43.24 <input type="checkbox"/> glibc2.3.3-98.28 <input type="checkbox"/> glibc-devel-2.3.3-98-47 <input type="checkbox"/> glibc-devel-32bit-9-200506062332 <input type="checkbox"/> libaio</p>		<input type="checkbox"/> glibc 32bit-9-200506071326 <input type="checkbox"/> glibc-devel-32bit-9-200506071326 orarun-1.8-31						

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
			<p>- ignoreSysPre reqs</p> <p><input type="checkbox"/> default RPMs (see NOTE 386391.1)</p> <p><input type="checkbox"/> glibc devel-2.4-31.2.x86_64.rpm</p> <p><input type="checkbox"/> gcc-4.1.0-28.4.x86_64.rpm</p> <p><input type="checkbox"/> libstdc++-devel-4.1.0-28.4.x86_64.rpm</p> <p><input type="checkbox"/> gcc++-4.1.0-28.4.x86_64.rpm</p> <p><input type="checkbox"/> glibc-devel-32bit-2.4-31.2.x86_64.rpm</p> <p><input type="checkbox"/> libaio-devel-0.3.104-14.2.x86_64.rpm</p> <p>SuSE Linux Enterprise Server 10 special instructions: 1. Execute runInstaller with the -ignoreSysPre reqs option.</p>								
Linux x86_64 EM64T AMD64	kernel.shmmni = 4096 kernel.sem = 250 32000	SEMMSL 250 SEMMNS 32000 SEMMNI 128	SEMMSL 250 SEMMNS 32000 SEMMNI 128	SEMMSL 250 SEMMNS 32000 SEMMNI 128	SEMMSL 250 SEMMNS 32000 SEMMNI 128						

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
Kernel Settings	<p>100 128 fs.file-max = 6815744 net.ipv4.ip_local_port_range = 9000 65500 net.core.rmem_default = 262144 net.core.rmem_max = 4194304 net.core.wmem_default = 262144 net.core.wmem_max = 1048576 kernel.shmall = physical RAM size / pagesize For most systems, this will be the value 2097152. See Note: 301830.1 for more information. kernel.shmmx = 1/2 of physical RAM, but not greater than 4GB. This would be the value 2147483648 for a system with 4Gb of physical RAM. kernel.shmmni = 4096 kernel.sem = 250 32000 100 128</p>	<p>SEMOPM 100 SHMMAX RAM times 0.5 but not greater than 4GB-1 (Note 567506.1) SHMMNI 4096 SHMALL = SHMMAX/pagesize (Note:301830.1) FILE-MAX 6815744 IP_LOCAL_PORT_RANGE 9000 65500 RMEM_DEFAULT 262144 RMEM_MAX 4194304 WMEM_DEFAULT 262144 AULT 262144 WMEM_MAX 1048576</p> <p>To increase the shell limits: 1. Add the following lines in the /etc/security/limits.conf file: oracle soft nproc 2047 oracle hard nproc 16384 oracle soft nofile 1024 oracle hard nofile 65536 2. Add the following line</p>	<p>SEMOPM 100 SHMMAX RAM times 0.5 but not greater than 4GB (note:567506.1) SHMMNI 4096 SHMALL = SHMMAX/pagesize (note:301830.1) FILE-MAX 65536 IP_LOCAL_PORT_RANGE 9000 65500 RMEM_DEFAULT 262144 RMEM_MAX 2097152 WMEM_DEFAULT 262144 AULT 262144 WMEM_MAX 262144 WMEM_MAX 262144</p>	<p>SEMOPM 100 SEMVMX 32767 SHMMAX 2147483648 One-half the size of your system's physical memory. Check your system for additional restrictions. SHMMNI 4096 SHMALL = SHMMAX/pagesize (note:301830.1) FILE-MAX 65536 IP_LOCAL_PORT_RANGE 9000 65500 To use hugepages, or to accommodate the VLM window size on Red Hat Enterprise Linux 4.0, you must increase the default maximum size of the per-process locked memory. To increase the per-process maximum locked memory limit, add the</p>	<p>SEMOPM 100 SEMVMX 32767 SHMMAX 2147483648 One-half the size of your system's physical memory. Check your system for additional restrictions. SHMMNI 4096 SHMALL = SHMMAX/pagesize (note:301830.1) FILE-MAX 65536 IP_LOCAL_PORT_RANGE 9000 65500</p>						

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
		<p>to the /etc/pam.d/login file, if it does not already exist:</p> <pre> session required pam_limits.so Note 437123.1 Lines from the Fix section of Note 301665.1 3. Depending on the oracle user's default shell, make the following changes to the default shell startup file: For the Bourne, Bash, or Korn shell, add the following lines in the /etc/profile file (or the /etc/profile.local file on SUSE Linux Enterprise Server systems): if [\$USER = "oracle"]; then if [\$SHELL = "/bin/ksh"]; then ulimit -p 16384 ulimit -n 65536 else </pre>		<p>following lines to the /etc/security/limits.conf file, where oracle is the user that administers the database. Refer Note 361468.1:</p> <pre> oracle soft memlock 5243000 oracle hard memlock 5243000 </pre>							

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
		<pre>ulimit -u 16384 -n 65536 fi fi For the C shell, add the following lines in the /etc/csh.logi n file (or the /etc/csh.logi n.local file on SUSE Linux Enterprise Server systems): if (\$USER == "oracle") then limit maxproc 16384 limit descriptors 65536 endif</pre>									
Linux Itanium OS (See Note 225710.1 for supported kernels),(See Note 1130325.1 for Support Status- Oracle Database on Linux Itanium)and Note 265262.1 for "Things to know about Linux"	NA	Not Available	<ul style="list-style-type: none"> o RHEL AS/ES 3.0 (Update 4 or higher) 2.4.21-20.EL o RHEL AS/ES 4.0 (Update 1 or higher) 2.6.9-11.EL o SuSE SLES9 (SP2 or higher) 2.6.5-199 o SuSE SLES-10 o RHEL 5.0 (Note 748378.1) Note: for all Itanium systems using "Montecito"	<ul style="list-style-type: none"> o RHEL AS/ES 2.1 (Update 6 or higher) 2.4.18-e52 o RHEL AS/ES 3.0 (Update 4 or higher) 2.4.21-27.EL o RHEL AS/ES 4.0 (Update 1 or higher) 2.6.9-11.EL.smp o Red Flag Advanced Server 4.0 for Itanium 2 (China and Hong Kong only) o SuSE SLES8 (SP4 or later) 	<ul style="list-style-type: none"> o Red Hat Enterprise AS/ES 2.1 2.4.18-e.14 o Red Hat Enterprise AS/ES 3.0 o Red Hat Enterprise AS/ES 4.0 2.6.9-11 o SuSE SLES8 o SuSE SLES9 o United Linux 1.0 o Red Flag Advanced Server 4.0 for Itanium 2 (China and Hong Kong only) 						

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
			processors, refer to note:400227.1 for special installation instructions	2.4.21-278 o SuSE SLES9 (SP1 or later) 2.6.5-7.139 Note: for all Itanium systems using "Montecito" processors, refer to note:400227.1 for special installation instructions	2.4.18-e14.ia64.rpm Note: for all Itanium systems using "Montecito" processors, refer to note:400227.1 for special installation instructions						
Linux Itanium Disk Space	NA	Not Available	1.2G Database 1.5 to 3.5G Install	1.2G Database 1.5G Software 1G Companion 150M-650M Client	4.5G						
Linux Itanium RAM	NA	Not Available	1Gb	512Mb 256Mb(Client/Compan)	512Mb						
Linux Itanium swap	NA	Not Available	If RAM = 1024MB to 2048Mb then 1.5 times RAM elseif RAM > 2048MB and < 8192MB then match RAM else RAM > 8192MB then .75 times RAM	1Gb or match RAM 512Mb(Client/Compan)	1Gb or match RAM						
Linux Itanium tmp	NA	Not Available	400Mb	400Mb	400Mb						
Linux	NA	Not Available	JDK 1.4.2_08	JDK 1.4.2_02	o Sun JDK						

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
Itanium JDK & JRE			is installed	is installed	1.4.1 is installed but is mandatory to patch it to 1.4.2						
Linux Itanium Patches/Packages	NA	Not Available	<p>Red Hat Enterprise Linux 3.0:</p> <ul style="list-style-type: none"> <input type="checkbox"/> make 3.79.1-17 <input type="checkbox"/> control-center-2.2.0.1-13 <input type="checkbox"/> gcc3.2.3-47 <input type="checkbox"/> gcc++-3.2.3-47 <input type="checkbox"/> gdb 6.1post-1.20040607.52 <input type="checkbox"/> glibc2.3.2-95.30 <input type="checkbox"/> glibc common-2.3.2-95.30 <input type="checkbox"/> glibc devel-2.3.2-95.30 <input type="checkbox"/> glibc devel-2.3.2-95.20 (32 bit) <input type="checkbox"/> compat db-4.0.14-5.1 <input type="checkbox"/> compat gcc-7.3-2.96.128 <input type="checkbox"/> compat gcc-c++-7.3-2.96.128 <input type="checkbox"/> compat libstdc++-7.3-2.96.128 <input type="checkbox"/> compat libstdc++-devel-7.3-2.96.128 <input type="checkbox"/> gnome libs- 	<p>RHEL ES/AS 2.1 (Update 6 or higher)</p> <ul style="list-style-type: none"> <input type="checkbox"/> gcc2.96-129.7.2 <input type="checkbox"/> gcc++-2.96-129.7.2 <input type="checkbox"/> glibc2.2.4-32.18 <input type="checkbox"/> libaio 0.3.92-1 <input type="checkbox"/> libaio devel-0.3.92-1 <input type="checkbox"/> libstdc++ 2.96-129.7.2 <input type="checkbox"/> libstdc++ devel-2.96-129.7.2 <input type="checkbox"/> make 3.79.1-8 <input type="checkbox"/> openmotif-2.1.30 <input type="checkbox"/> cfs1.0.11 (mentioned in 10.1.0.4 Release Note but cannot find this rpm) <p>RHEL ES/AS 3 (Update 1 or higher)</p> <ul style="list-style-type: none"> <input type="checkbox"/> binutils 2.14.90.0.4-35 <input type="checkbox"/> compat db-4.0.14-5 <input type="checkbox"/> compat-gcc-7.3-2.96.128 	<p>All IA64 OS Versions - for Async I/O functionality to work you need to install Patch 3016968 on top of 9.2.0.4.0 or 9.2.0.5.0</p> <p>RHEL ES/AS 2.1</p> <ul style="list-style-type: none"> <input type="checkbox"/> glibc 2.2.4 29 <input type="checkbox"/> gcc 2.96.0 <input type="checkbox"/> Linux Header Patch 2.4.18 (available from Intel) <input type="checkbox"/> libaio 0.3.92-1 <p>RHEL3</p> <p>1. Put gcc296 and g++296 first in \$PATH variable by creating the following symbolic links. These are required for the relinking of some Oracle binaries (as</p>						

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5	
			<p>1.4.1.2.90-34.2 (32 bit)</p> <p><input type="checkbox"/> libstdc++-3.2.3-47</p> <p><input type="checkbox"/> libstdc++-devel-3.2.3-47</p> <p><input type="checkbox"/> openmotif-2.2.3-3.RHEL3</p> <p><input type="checkbox"/> sysstat-5.0.5-5.rhel3</p> <p><input type="checkbox"/> setarch-1.3-1</p> <p><input type="checkbox"/> libaio-0.3.96-3</p> <p><input type="checkbox"/> libaio-devel-0.3.96-3</p> <p>Red Hat Enterprise Linux 4.0:</p> <p><input type="checkbox"/> binutils-2.15.92.0.2-10.EL4</p> <p><input type="checkbox"/> compat-db-4.1.25-9</p> <p><input type="checkbox"/> control-center-2.8.0-12</p> <p><input type="checkbox"/> gcc-3.2.3-47 (OCCI does not support 3.4.3)</p> <p><input type="checkbox"/> gcc++-3.2.3-47 (OCCI does not support 3.4.3)</p> <p><input type="checkbox"/> glibc-2.3.4-2</p> <p><input type="checkbox"/> glibc-common-2.3.4-2</p> <p><input type="checkbox"/> gnome-</p>	<p><input type="checkbox"/> compat-gcc-c++-7.3-2.96.128</p> <p><input type="checkbox"/> compat-libstdc++-7.3-2.96.128</p> <p><input type="checkbox"/> compat-libstdc++-devel-7.3-2.96.128</p> <p><input type="checkbox"/> control-center-2.2.01-13</p> <p><input type="checkbox"/> gcc-3.2.3-20</p> <p><input type="checkbox"/> gcc++-3.2.3-20</p> <p><input type="checkbox"/> glibc-2.3.2-95.3</p> <p><input type="checkbox"/> gnome-libs-1.4.1.2.90-34.2</p> <p><input type="checkbox"/> make-3.79-1.17</p> <p><input type="checkbox"/> openmotif21-2.1.30-8.i386.rpm</p> <p><input type="checkbox"/> setarch-1.3-1</p> <p>RHEL ES/AS 4 (Update 1 or higher)</p> <p><input type="checkbox"/> binutils-2.15.92.0.2-13</p> <p><input type="checkbox"/> compat-db-4.1.25-9</p> <p><input type="checkbox"/> control-center-2.8.0-12</p> <p><input type="checkbox"/> gcc-3.4.3-22.1</p> <p><input type="checkbox"/> gcc++-3.4.3-22.1</p> <p><input type="checkbox"/> glibc-2.3.4-</p>	<p>root)</p> <p># mv /usr/bin/gcc</p> <p>/usr/bin/gcc 323</p> <p># mv /usr/bin/g++</p> <p>/usr/bin/g++ 323</p> <p># ln -s /usr/bin/gcc 296</p> <p>/usr/bin/gcc # ln -s /usr/bin/g++ 296</p> <p>/usr/bin/g++</p> <p>2. hostname command should return the fully qualified hostname as shown below:</p> <p>- # hostname - hostname.do mainname</p> <p>3. If any Java packages are installed on the system, unset the Java environment variables, for example JAVA_HOME.</p> <p>4. Define and export the environment variable LD_ASSUME_KERNEL before starting the</p>							

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5	
			<p>libs- 1.4.1.2.90-44.1 <input type="checkbox"/> libaio 0.3.102-1 <input type="checkbox"/> libstdc++ 3.4.3-9.EL4 <input type="checkbox"/> libstdc++ devel-3.4.3-9.EL4 <input type="checkbox"/> mlae- 3.80-5 <input type="checkbox"/> pdksh 5.2.14-30 <input type="checkbox"/> sysstat 5.0.5-1 <input type="checkbox"/> compat libstdc++-33- 3.2.3-47.3 Bug 4605635</p> <p>SUSE Linux Enterprise Server 9:</p> <p><input type="checkbox"/> gcc3.3 <input type="checkbox"/> gcc++- 3.3.3 <input type="checkbox"/> glibc-2.3.3 <input type="checkbox"/> libaio 0.3.102-1.2ia64 <input type="checkbox"/> libaio devel- 0.3.102-1.2ia64 <input type="checkbox"/> make3.80</p>	<p>2.9 <input type="checkbox"/> glibc common- 2.3.4-2.9 <input type="checkbox"/> make 3.80-5 Note: openmotif21 -2.1.30- 11.RHEL4.2 is required to install Oracle demos. GNU Compiler Collection (GCC) 2.96 is not supported on Red Hat Enterprise Linux 4.0. Gcc 3.2.3 is required for or OCCI application.</p> <p>SUSE SLES8 (Service Pack 4 or higher)</p> <p><input type="checkbox"/> gcc3.2.2- 54 <input type="checkbox"/> glibc2.2.5- 230 <input type="checkbox"/> make 3.79.1-328 <input type="checkbox"/> openmotif- 2.2.2-522</p> <p>SUSE SLES9 (Service Pack 1 or higher)</p> <p><input type="checkbox"/> binutils 2.15.90.0.1.1 -32.5</p>	<p>install process: - \$ export LD_ASSUME_ KERNEL=2.4. 19</p> <p>5. Relink error for ins_oemagen t.mk - Click ignore and complete the install. Apply the patch 3119415</p> <p>6. Apply 9.2.0.4 patchset (patch 3095277) for Linux Itanium in order to be certified and supported.</p> <p>RHEL4 9.2.0.7 patchset is required minimum patchset</p> <p><input type="checkbox"/> binutils 2.15.92.0.2- 13 <input type="checkbox"/> compat db-4.1.25-9 <input type="checkbox"/> control center-2.8.0- 12 <input type="checkbox"/> gcc3.4.3- 22.1 <input type="checkbox"/> gcc++- 3.4.3-22.1 <input type="checkbox"/> glibc2.3.4- 2.9</p>							

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
				<input type="checkbox"/> gcc.3.3-43.28 <input type="checkbox"/> gcc++.3.3-43.28 <input type="checkbox"/> glibc.3.3-98.38 <input type="checkbox"/> libaio.0.3.98-18.3 <input type="checkbox"/> libaio.devel-0.3.98-18.3 <input type="checkbox"/> make.3.80-184.1 <input type="checkbox"/> openmotif-libs-2.2.2-519.4	<input type="checkbox"/> glibc common-2.3.4-2.9 <input type="checkbox"/> make.3.80-5 Define and export the environment variable LD_ASSUME_KERNEL before starting the install process: - \$ export LD_ASSUME_KERNEL=2.4.19 SuSE SLES9 The following requirements are needed for a successful installation of Oracle 9iR2 Linux Itanium on SuSE SLES9: 1. Apply 9.2.0.5 patchset (patch 3501955). 2. After installing 9.2.0.5 patchset you must install patch 4566648 to fix the following 2 issues 4566551: BACKING STORE (BSP) NEEDS						

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
					<p>PROPER ALIGNING FOR SLES9 4566614: BSP(BACKING STORE) VALUE SHOULD BE CHECKED BEFORE COPYING THE MEMORY SEGMENT</p> <p>3. There is a known issue, where creation of JavaVM fails during custom DB creation. Please use the workaround described as follows in case of custom Database creation.</p> <p>Remove the following eight shared libraries from \$ORACLE_HOME/javavm/admin/ and restore them else where before starting database creation.</p> <p>libjox9oracle_aurora_ncomp_java.so libjox9oracle_aurora_serv</p>						

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
					er_tools_loa djava.so libjox9oracle _aurora_sqlj decl.so libjox9oracle _net_nt.so libjox9oracle _security_jw allet.so libjox9oracle _sql.so libjox9org_o mg_CORBA_ 2_3_portable .so libjox9sun_se curity_action .so						
Linux Itanium Kernel Settings	NA	Not Available	Not Available	SEMMSL 250 SEMMNS 32000 SEMMNI 128 SEMOPM 100 SHMMAX RAM times 0.5 but not greater than 4GB (Note 567506.1) SHMMNI 4096 SHMALL = SHMMAX/pa gesize (note:301830 .1) FILE-MAX 65536 IP_LOCAL_P ORT_RANGE 9000 65500 RMEM_DEFA ULT 262144 RMEM_MAX 2097152 WMEM_DEF AULT 262144	SEMMSL 250 SEMMNS 32000 SEMMNI 128 SEMOPM 100 SEMVMX 32767 SHMMAX 2147483648 One-half the size of your system's physical memory. Check your system for additional restrictions. SHMMNI 4096 SHMALL = SHMMAX/pa gesize (note:301830 .1) FILE-MAX 65536 IP_LOCAL_P ORT_RANGE	SEMMNI 100 SEMMNS 256 SEMMSL 100 SEMOPM 100 SEMVMX 32767 SHMMAX 2147483648 One-half the size of your system's physical memory. Check your system for additional restrictions. SHMMIN 1 SHMMNI 4096 SHMSEG 4096					

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
			<p>2.9 (ppc) <input type="checkbox"/> glibc devel-2.3.4- 2.9 (ppc64) <input type="checkbox"/> libaio 0.3.103-3 (ppc) <input type="checkbox"/> libaio 0.3.103-3 (ppc64) <input type="checkbox"/> libaio devel- 0.3.103-3 (ppc) <input type="checkbox"/> libgcc 3.4.3-22.1 (ppc) <input type="checkbox"/> libgcc- 3.4.3-22.1 (ppc64) <input type="checkbox"/> libstdc++ 3.4.3-22.1 (ppc) <input type="checkbox"/> libstdc++ devel-3.4.3- 22.1 (ppc64) <input type="checkbox"/> make 3.80-5 (ppc)</p> <p>SUSE Linux Enterprise Server 9:</p> <input type="checkbox"/> gcc3.3.3- 43.34 <input type="checkbox"/> gcc64bit- 9- 2005052400 08 <input type="checkbox"/> gcc++- 3.3.3-43.34 <input type="checkbox"/> glibc2.3.3- 98.47 <input type="checkbox"/> glibc 64bit-9- 2005060622 40 <input type="checkbox"/> libgcc 3.3.3-43.34								

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
			<input type="checkbox"/> libgcc64-bit-9-200505240008 <input type="checkbox"/> libstdc++3.3.3-43.34 <input type="checkbox"/> libstdc++devel-3.3.3-43.34 <input type="checkbox"/> libaio0.3.102-1.2 <input type="checkbox"/> libaio64bit-9-200502241152 <input type="checkbox"/> libaio-devel-0.3.102-1.2 <input type="checkbox"/> libaio-devel-64bit-9-200502241152 <input type="checkbox"/> make3.80-184.1 <input type="checkbox"/> binutils2.15.90.0.1.1-32.10 <input type="checkbox"/> binutils64bit-9-200505240008 An error is generated while installing Oracle Database 10.2.0.1 on Red Hat Enterprise Linux 4.0 Update 2 or later and SUSE Linux Enterprise Server 9 withservice pack 2 or later. Most of the times,								

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
			<p>the error is generated when you perform any of the following tasks:</p> <ul style="list-style-type: none"> <input type="checkbox"/> While installing Oracle Database 10.2.0.1 after a fresh and complete installation of Red Hat Enterprise Linux 4.0 Update 2 <input type="checkbox"/> While installing Oracle Database 10.2.0.1 after a fresh and complete installation of SUSE Linux Enterprise Server 9 with service pack 2 or later <input type="checkbox"/> When you start dbca or netca from the command line or Oracle Universal Installer, if Standard installation is selected <p>Workaround: Before installing Oracle Database 10g release 2,</p>								

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
			<p>verify the contents of the /etc/resolv.conf file. Edit the file to make the following change: Change the line similar to: domain=my.net.com To: search=my.net.com The original /etc/resolve.conf file can be restored after the database installation is complete.</p> <p>You must install the IBM XL C/C++ Advanced Edition V7.0 for Linux Runtime Environment Component and XL Optimization Libraries component from the following link: IBM link This URL contains information and installation instructions. All the above installations</p>								

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
			<p>must to be done before installing Oracle database. On SUSE Linux Enterprise Server 9, install the following components:</p> <ul style="list-style-type: none"> <input type="checkbox"/> The RTE component: vacpp.rte.70.sles9.jan2006.update.tar.gz <input type="checkbox"/> The XL Optimization Libraries: vac.lib.70.sles9.tar <p>On Red Hat Enterprise Linux 4, install the following components:</p> <ul style="list-style-type: none"> <input type="checkbox"/> The RTE component: vacpp.rte.70.rhel4.dec2005.update.tar.gz <input type="checkbox"/> The XL Optimization Libraries: vac.lib.70.rhel4.tar <p>Relink of 10.2 fails in Linux on Power After upgrade to RHEL U2. Apply Patch 4767801</p>								

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
Linux on Power PC Kernel Settings	NA	Not Available	SEMMSL 250 SEMMNS 32000 SEMMNI 128 SEMOPM 100 SHMMAX RAM times 0.5 but not greater then 4GB (Note 567506.1) SHMMNI 4096 SHMALL = SHMMAX/page size (note:301830.1) FILE-MAX 65536 IP_LOCAL_PORT_RANGE 9000 65500 RMEM_DEFAULT 262144 RMEM_MAX 2097152 WMEM_DEFAULT 262144 WMEM_MAX 262144								
Mac OS X	NA	Not Available	<input type="checkbox"/> Mac OS X Server 10.5 (Intel x86-64)	<input type="checkbox"/> Mac OS X Server 10.4(PowerPC) <input type="checkbox"/> Mac OS X Server 10.3.9(Power PC) <input type="checkbox"/> Mac OS X Server 10.3.6(Power PC)							
Mac OS X Disk Space	NA	Not Available	10.2.0.4 release	1.2G Database 1G Software							

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
				1G Companion 150M-1G Client							
Mac OS X RAM	NA	Not Available	10.2.0.4 release	512Mb 256Mb(Clien t/Compan)							
Mac OS X swap	NA	Not Available	10.2.0.4 release	1Gb or match RAM 512Mb(Clien t/Compan)							
Mac OS X tmp	NA	Not Available	10.2.0.4 release	400Mb							
Mac OS X JDK	NA	Not Available	10.2.0.4 release	JDK 1.4.2_05 needs to be already installed Do this command to verify: \$ /Library/Java /Home/bin/j ava -version							
Mac OS X Patches/ Packages	NA	Not Available	10.2.0.4 release	Required Packages: <input type="checkbox"/> Xcode Tools 1.1 or higher <input type="checkbox"/> GNU C compiler (gcc) version 3.3 20030304 (Apple Computer, Inc. build 1635) *This version of gcc is included in Xcode Tools 1.2 or higher							

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
				<p>or in the Dec 2003 gccLongBranch Tools update.</p> <p><input type="checkbox"/> X11 for Mac OS X and X11 SDK for Mac OS X (Spatial only)</p> <p><input type="checkbox"/> OpenMotif 2.2.3 or higher (Spatial only)</p>							
Mac OS X Kernel Settings	NA	Not Available	10.2.0.4 release	<p>Note: If you need Mac OS X Server 10.3.6, please go to here: Apple URL</p> <p>To obtain the latest update for Mac OS X Server 10.3.6, please go to: Latest Update</p> <p>To obtain Mac OS X Server 10.3.9 and the software update, send an email message to oracle_update_request@services.apple.com . You will receive an automatic response that contains links to the required</p>							

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
				<p>patch and to the Mac OS X Server 10.3.9 installation software. Note: You do not need to include a message or title with the email.</p> <p>To install Oracle 10.1.0.5 on MACOSX 10.4 (Tiger OS) PowerPC based systems : Install Oracle Database 10.1.0.3 - software only. Please do not create the database. Perform a software upgrade from 10.1.0.3 to 10.1.0.5. Invoke OUI from 10.1.0.5 and choose software upgrade only. After 10.1.0.5 software upgrade, create database using the Database Configuration Assistant</p>							

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
				<p>(DBCA)". DBCA is found under \$ORACLE_HOME/bin . Just Invoke this executable and choose create database option.</p> <p>Following are the recommended kernel parameters:</p> <p>kern.corefile core kern.sysv.semmni 87381 kern.sysv.semms 87381 kern.sysv.semnu 87381 kern.sysv.semmns 87381 kern.sysv.semum 10 kern.sysv.maxproc 2068 kern.sysv.maxprocperuid 2068</p> <p>To improve the performance of the software on Mac OS X systems, you must increase the following shell limits:</p> <p>Shell Limit /</p>							

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
				<p>Hard Limit Maximum number of open file descriptors 65536 Maximum number of processes available to a single user 2068</p> <p>To increase the shell limits:</p> <p>Change directory to the following directory:</p> <pre># cd /System/Library/StartupItems/IPServices</pre> <p>Open the IPServices script using any text editor.</p> <p>Add the following ulimit commands to the start of the StartService function in this script:</p> <pre>ulimit -Hu 2068 ulimit -Su 2068 ulimit -Hn 65536</pre>							

Oracle Version	11.2	11.1	10.2	10.1	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5
				ulimit -Sn 65536 Add the same ulimit commands to the /etc/rc script, before the SystemStart command.							

RELATED DOCUMENTS

8.0.5 to 10g Installation Guides (for AIX, HP, Sun, Tru64, Linux, MacOSX)

<http://otn.oracle.com/documentation/content.html>

[Note 43507.1](#) ALERT:HP-UX: Patch Levels Advised

[Note 169426.1](#) How to change kernel mode of IBM AIX 5L (5.1)

[Note 17094.1](#) TECH: Unix Virtual Memory, Paging & Swapping explained

[Note 189256.1](#) UNIX: Script to Verify Installation Requirements for Oracle 9.x version of RDBMS

[Note 250262.1](#) RDA 4 - Health Check / Validation Engine Guide

[Note 314422.1](#) Remote Diagnostic Agent (RDA) 4 - Getting Started

[Note 1156586.1](#) Master Note For Oracle Database Installation

[Note 1154613.1](#) Master Note For Cloning Oracle Database Server ORACLE_HOME's Using the Oracle Universal Installer (OUI)

[Note 1152016.1](#) Master Note For Oracle Database Upgrades and Migrations

[Note 1151427.1](#) Master Note For Oracle Database Downgrade

[Note 1157464.1](#) Master Note on Oracle Universal Installer (OUI) for installing Oracle Database Software

[Note 1157463.1](#) Master Note For Oracle Database Client Installation

[Note 293369.1](#) Master Note For OPatch

[Note 851598.1](#) Master Note of Linux OS Requirements for Database Server

OS SPECIFIC COMMANDS

To Find Swap, RAM, and OS Version

OS	SWAP	RAM	OS VERSION
AIX	/usr/sbin/lspcs -a	/usr/sbin/lstatr -HE -l sys0 -a realmem	oslevel
HP PA-RISC	swapinfo -a	grep "Physical:" /var/adm/syslog/syslog.log	uname -a
HP Itanium	swapinfo -a	/usr/contrib/bin/machinfo grep -i Memory	uname -a
Tru64	swapon -s	vmstat -P	/usr/sbin/sizer -v
Solaris	swap -s	/usr/sbin/prtconf grep -i memory	uname -r
Linux	free	free	uname -a
Mac OS X	# df -h /	# /usr/sbin/system_profiler SPHardwareDataType grep Memory	# sw_vers

To Determine the Unix Kernel Parameters

OS	LOCATION	COMMAND TO SEARCH
AIX	automatically configured	do 'env' for LINK_CNTRL, To determine if AIX is 64 bit enabled do 'genkex grep 64' or 'genkex grep call' (see Note 1019106.102)
HP	/stand/system or use SAM -->Kernel Configuration	/etc/sysdef, /usr/sbin/kmtune (kmtune desupported in 11.31, use /usr/sbin/kctune -v), or /usr/sbin/kcweb -F
Tru64	/etc/sysconfigtab	/sbin/sysconfig -q ipc or /sbin/sysconfig -q vm or /sbin/sysconfig -q proc

Solaris	/etc/system	"/etc/sysdef grep SHM" or "/etc/sysdef grep SEM"
Linux	/usr/src/linux/include/asm/shmparam.h /usr/src/linux/include/linux/sem.h /proc/sys/kernel/sem /proc/sys/kernel/shmall /proc/sys/kernel/shmmx /proc/sys/kernel/shmmni	ipcs -lms
Mac OS X	/etc/sysctl.conf	"# /usr/sbin/sysctl -a grep "

O/S Software Installed Packages and Patches

OS	COMMAND FOR PACKAGES	COMMAND FOR PATCHES
AIX	lspp -w grep -i "software title" (applies to APARs and PTFs)	/usr/sbin/instfix -ik <i>patch number</i>
HP	Prior to 11: /usr/sbin/swlist -lproduct PH* hp-ux 11 and after: * /usr/sbin/swlist -l patch *\.*.c=patch * /usr/contrib/bin/show_patches (from patch PHCO_19550)	/usr/sbin/swlist -l fileset grep -i
Solaris	/bin/pkginfo -l grep -i "software title"	/bin/showrev -p
Tru64	/usr/sbin/setld -i grep -i "software title"	/usr/sbin/setld -i more For patchkits: /usr/sbin/dupatch -track -type kit
Linux	To see if a particular RPM is installed (without the architecture): \$ rpm -qa grep "package name" To see if a particular RPM is installed (with the architecture): \$ rpm -qa --qf "%{NAME}-%{VERSION}-%{RELEASE}_%{ARCH}\n" grep "package name" To see what RPM provided a particular object/library: \$ rpm -q --whatprovides --qf "%{NAME}-%{VERSION}-%{RELEASE}_%{ARCH}\n" "full path/library name" To see the contents listing of an RPM: \$ rpm -ql "RPM name" For example: \$ rpm -ql compat-libstdc++-33-3.2.3-47.3.ppc /usr/lib/libstdc++.so.5 /usr/lib/libstdc++.so.5.0.7	
Mac OS X	to be supplied later	to be supplied later

To Check if an OS is 64 bit Capable or not

OS	COMMAND	RESULTS
Aix	lspp -L grep 64bit	It should return "bos.64bit"
HP	getconf KERNEL_BITS	It should return "64"
Solaris	/bin/isainfo -kv	If the isainfo command does not exist it is not 64-bit. It should return "64-bit sparcv9 kernel modules"

To Check version of Compiler

COMPILER	COMMAND
C/C++	do a "which cc", then cd to the directory it is in, then do a "what cc" except for Linux, on Linux do a "rpm -qa grep egcs"
COBOL	cd \$COBDIR and do "more cobver"
Fortran	do a "which f77", then cd to directory it is in, then do a "what f77"

CHANGE HISTORY

=====

□111704

- HP section - HP Doc BUG ID: KBRC00003627 is not applicable to 11.22 and 11.23
- TRU64 section - Added OSFX11 as required package for 10g and 9.2

□120404

- Linux section - Added Asianux and Red Flag requirements, Updated certified OS's and their kernel versions and the required OS packages for each OS

□121204

- Linux section - Added reference to [Note 252217.1](#) for additional setup requirements for RHEL3 and 9.2 x86
- Added additional steps for SLES9 for 9.2 32bit x86

□121904

- Linux section - Updated Linux Itanium 10g on SuSE SLES9 required RPMs

□122604

- Linux section - Added LD_ASSUME_KERNEL=2.4.19 to 10g RHEL3 section

□122704

- MacOSX section was added

□010205

- Linux section - 10g SuSE SLES9 references to gcc-3.3-43 and gcc-c++-3.3-43 were corrected to gcc-3.3.3-43 and gcc-c++-3.3.3-43

□011005

- Linux section - Added reference to [Note 265262.1](#) for "Things to know about Linux"

□012905

- General section - Removed reference to the HCVE script for Linux 64 and added references to newly created Linux IA64 and Linux AMD64.

-- Added reference to newly created Mac OSX HCVE script

□020505

- HPUX section - Added 11.23 (PA-RISC) (64bit) to 10g and 9.2 as a certified OS
- Sun section - Added SUNWuiu8, SUNWulcf (if [Bug 4025250](#) occurs) to 10g OS packages

□022505

- AIX section - Added AIX_THREAD_SCOPE=S to 9.2
- TRU64 section - Added VM_BIGPG_ENABLED 0 to 10g and 9.2 kernel settings
- General section end of Note - Updated the swlist commands for checking HP OS patches and packages

□022805

- HPUX section - For 10g and 9.2 added/update that MAXSWAPCHUNKS, SEMMAP, and VX_NCSIZE are obsolete on 11.23 PA-RISC and IPF and no longer need to be set also to now set NCSIZE = (NINODE+1024)

□031805

- HPUX section - Update 10g 11.11 OS patches that PHNE_28476 is superseded by PHNE_29825, PHCO_26331 s/b PHCO_27958, PHKL_26468 s/b PHKL_27316

□040905

- TRU64 section - Removed 5.1 as being certified with 9.2, updated that 5.1a requires PK6 now versus PK3 and updated that 5.1b requires PK4 now versus PK2

-- Also added require patches for each newly required patchkit

-- Modified the new_wire_method to indicate that if you are at 5.1a PK6 it should be set to 1

☐041005

- Sun section - Added Solaris 10 as now certified with 10g and 9.2 and special instructions
- Linux section - Added RHEL4 as now certified and its needed environment settings and rpms

☐041605

- General section - Added Change History

☐042305

- Linux section - 9.2 x86 for SuSE9 added needed [patch 3809563](#) if applying 9.2.0.5 patchset
- Clarified that [patch 4190568](#) needs to be applied on top of 9.2.0.6 patchset
- Added Async IO [patch 3016968](#)/[patch 3208258](#) in 9.2 x86 section
- Added Async IO [patch 3016968](#) in 9.2 IA64 section

☐042505

- Tru64 section - 817 column changed vm-mapentries that it applies to OS versions below 5.0, starting in 5.0 it is autoset

☐043005

- AIX section - Kernel Settings, clarified that AIXTHREAD_SCOPE is an environmental setting not a kernel setting

☐052205

- Linux section - 10g x86_64 for SuSE SLES9 added glibc-32bit-8.1-9 and glibc-devel-32bit-8.1-9 as required packages per <>
- Sun section - made SUNWmfrun a mandatory patch for 10g and 9.2 per <>
- Updated Kernel settings for Solaris 10 because most are obsolete

☐060305

- Linux section - Corrected the 9.2 section that [patch 3016968](#) and [patch 3208258](#) are specific to RHEL3 and not all x86 OSs

☐070305

- OS Specific Commands section - O/S Software Installed Packages and Patches Linux section - Added RPM commands to list an RPMs contents and query RPMs to see which one provides a specific object library

☐072205

- Linux section - 9.2 Linux Itanium Added RHEL3 requirements
- Linux section - 10g IBM zSeries SuSE SLES9 added libc6.2-2.so.3 32bit as a requirement per <>

☐072305

- Linux section - Added 10.2 Linux x86 requirements
- HPUX section - updated 9.2 11.0 patch section with new superceded patches

☐082205

- Sun section - Modified the Solaris 10 special instructions per <>
- TRU64 section - corrected value of SHM_MIN to be 1 instead of 1024 in the 9.2 section per <>

☐082905

- AIX section - Added 10gR2 requirements, presently OTN states to use 10gR1 requirements
- HP section - Added 10gR2 requirements, presently OTN states to use 10gR1 requirements
- Added note to ensure that unzip 5.5 or later is being used in the 10g and 9.2 section per <>
- Sun section - Added 10gR2 requirements, presently OTN states to use 10gR1 requirements

☐091705

- Sun section - Updated 10gR2 requirements since the Installation Guide is now available

☐091805

- AIX section - Updated 10gR2 requirements since the Installation Guide is now available
- HPUX section - Updated 10gR2 requirements since the Installation Guide is now available
- Linux section - Updated 10gR2 requirements since a new Release Note has the correct RPMs for RHEL4 and SuSE9

☐092605

- Pre-Installation Scripts - Added new heading
- Added 10gR2 Pre_Installation Script Notes

☐100405

- HPUX section - Added comment to 9.2 NCALLOUT is obsolete in 11.23
- Sun section - added SUNWuiu8, SUNWulcf as required to 9.2

☐100705

- AIX section - Added APAR IY68989 to 10gR2 AIX 5.3 per Release Note
- Related Documents - added 10gR2 Pre-Installation scripts

☐101005

- Linux section - Added [Note 303859.1](#) for 9206 on RHEL4
- Added [Patch 3208258](#) as needed for AIO on SLES9

☐101905

- Linux section - Added RHEL4 for 10gR1 x86_64 requirements now that it is certified

□110705

- Linux section - Added 10gR2 x86_64 requirements now that it is certified
- Added glibc-devel rpm as required for 9.2 x86 on RHEL3
- Added xFree86-libs as required to 10gR1 x86_64 for RHEL4 ([Bug 4387087](#))
- Added glibc-devel-32bit-9 to 10gR1 x86_64 for SuSE SLES9 ([Bug 4405422](#))
- Added to 9.2 IA64 the SuSE SLES9 is now certified
- Added to 10gR2 on RHEL3 that it requires Update 4
- HPUX section - Added supecedes of patches for 10gR1 on 11.11

□111105

- entire document - made all patches/bugs hyperlinks, removed double entry of compat-db in RHEL3 for 10gR2 X86_64

□111805

- Linux section - Added needed RPMs and reference to Ivan Kartik document for install of 9.2 on SuSE SLES 9

□120805

- Linux section - Added RHEL4 to 10gR1 Linux IA64 as certified - Added Linux on Power PC requirements

□121105

- HPUX section - Updated the 9.2 11.11 patch list
- Sun section - Updated special instructions for Solaris 10 and 10gR1

□121805

- Linux section - Added 10gr2 on Linux IA64

□010606

- Linux section - Added compat-libstdc++-296-2.96-132.7.2 (i386) to 10gR1 Linux x86 for RHEL4
- Added RHEL4 for 9.2 x86_64 as certified
- Sun section - modified noexec_user_stack is not obsolete to Solaris 9, it is actually still valid for Solaris 9 and 10

□012706

- Pre-Installation Scripts - Added 10gR2 Linux AMD64/EM64 script
- Linux section - Changed 10gR2 Linux x86_64 for RHEL3 to show the compat-gcc, compat-gcc-c++, compat-libstdc++, and compat-libstdc++-devel as 32bit RPMs not 64bit RPMs
- Added glibc-32bit, glibc-devel-32bit, libaio, libaio-devel to 10gR2 Linux x86_64 for SLES9

□021106

- Linux section - corrections to 10gR2 Linux on PPC - RHEL4 and SLES9 RPMs
- Added reference to Note:353529.1 and added the suggested RHEL4 RPMs for 9.2.0.7 on Linux x86_64
- Added XFree86-libs-4.3.0-78.EL.i386.rpm per Remark 56677.1

□021306

- HP section - Added the new 10gR2 HPUX Itanium requirements
- Linux section - broke out the section into four sections - Linux x86, Linux x86_64, Linux Itanium, and Linux on Power PC for ease of reading

□021506

- TRU64 section - Incorporated Remark 56834.1 and modified the 9.2 kernels related to "per_proc":ref: [TRU64 Tuning Oracle 817 and higher](#) and [Note:201200.1](#)
- Linux section - Incorporated Remark 56763.1 - Removed reference to xscreensaver-4.16-2.6 from 10gr2 x86 and x86_64 for SuSe SLES9

□021706

- HPUX section - For 10.2 HPUX Itanium added OS patch requirements for ProC/C++/OCI/OCCT/XML

□022406

- HPUX section - Added supersessions to 10gR2 HPUX PA-RISC and Itanium patches

□022806

- Linux section - Added libaio-0.3.96 to 10gR2 X86

□030606

- Linux section - Changed the kernel version for 10gR2 on Linux Itanium for SuSE SLES9 from 2.6.5-7.139 to 2.6.5-7.199 which is what SP2 is.

□031006

- Linux section - Added compat-libstdc++-33-3.2.3-47.3 to 10.2 RHEL4 Linux x86 per Remark:57408.1
- modified gcc and g++ RPM versions for 10.2 on RHEL4 Linux x86_64 to be 3.4.3-9.1 instead of 3.4.3-9.EL4
- Sun section - Added SUNWxcu4 per Remark 57401.1

□031306

- Linux section - corrected 9.2 x86_64 SuSE SLES9 details as they were referencing x86 requirements by mistake, changed note reference from Ivan Kartik's to Fabrizio Magni's

☐031606

-Linux section - changed 9.2 on x86 on RHEL4 to also be certified with 9.2.0.5 patchset and patch 4276910

-Sun section - changed 9.2 (32bit) on Solaris 10 to be certified on minimum 9.2.0.4 patchset instead of 9.2.0.6 and 9.2 (64bit) on Solaris 10 to be certified on minimum 9.2.0.5 instead of 9.2.0.6 per Metalink - Certification

☐031706

-HPUX section - updated the 10.1 version on HP-UX 11.11 OS patches to reflect latest superseded versions.

-Linux section - changed 10.2 x86_64 on RHEL4 to add binutils-2.15.92.0.2-18.x86_64.rpm as another version of binutils that can be installed.

☐032506

-Linux section - updated Linux Itanium for 9.2 to add RHEL4 requirements (per Remark 57699.1)

-Mac OS X section - Added that 10.1.0.3 is now certified on 10.3.9 (per Remark 57702.1)

-Sun section - Added SUNWuiu and SUNWulcf to 10.2 on Solaris 8,9, and 10 (Per Remark 57701.1)

- Added that 10.2.0.2 is now certified on Solaris x86_64/AMD64

☐041806

-Linux section - 10.1 x86 on RHEL4 clarified the RPMs (Remarks 58081.1, , 58342.1, 58435.1)

- 9.2 x86_64 on SuSE 9, remove external reference, added LD_ASSUME_KERNEL=2.4.20 (Remark 58338.1)

- All references where SHMMNI was set lower than SHMSEG, the value of SHMMNI was set to match it (Remark 57854.1)

- 10.2 x86_64 on RHEL4 - Clarified architecture of RPMs and added RPMs as requested by T. Yoshimura and <>

☐041906

-Linux section - 10.1 x86_64 on RHEL3 added XFree86-libs (32bit) is required.

☐043006

-Linux section - 10.2 x86_64 on SLES9 changed glibc-32bit-8,glibc-devel-32bit-8 to -9

☐050706

-Sun section - Added 112963-25 as a required Solaris 9 OS patch ([Bug 4712475](#)) per R. Gullledge

☐051806

-Linux section - 9.2 x86_64 on RHEL3 added Note 308588.1 and LD_ASSUME_KERNEL=2.4.19

- 9.2 x86_64 on SLES9 added Note 361169.1 and glibc-32bit and glibc-devel-32bit

☐052406

-Sun section - 10.2 added [Patch 4589082](#) as needed prior to install to deal with -ldce not found issue when linking proc

☐082806

-Linux section - Removed references to ORBit-0.5.17-14.i386.rpm and gnome-libs-1.4.1.2.90-44.1.i386.rpm fo3 10g2 on RHEL4 x86_64 as no valid reference can be found.

☐091806

-Linux section - 10.1 x86_64 on RHEL4 updated OS package requirements.

☐092206

-Linux section - 10.2 Itanium on RHEL4 added compat-libstdc++-33-3.2.3-47.3 to OS package requirements.

☐101706

-Linux section - 10.1 x86 on RHEL3 updated OS package requirements.

☐110706

-Tru64 section - Added the new 10gR2 Tru64 requirements

☐112806

-Linux section - 10.2 x86 on SLES9 updated OS requirements

☐121206

-Linux section - all versions and platforms - changed SHMALL to formula

☐121906

-Linux section - 10.2 x86_64 on SLES10 - added os version and package reqs

☐022707

-HP-UX section - 10.2, 11.11 required patches - added new superseded patch numbers

☐030607

-Added reference to note:400227.1 for all Itanium systems with "Montecito" processors

☐030607

-Added section/links for 64-bit Linux on zSeries

☐032007

-Added HP-UX Itanium 11.23 info for 9.2.0, 10.1.0, and 10.2.0

☐040407

-Aix section - Added APAR IY94343 - LV Block Corruption [Note 422031.1](#) (per Remark 70417.1)

☐042507

-Sun section - Added Solaris 10 kernel parameters

☐052307

- AIX section - added reference to Note 282036.1 for AIX 5.3 and 5.2 patching requirements
- Linux section - modified that SHMMAX should not be set higher than 4Gb due to core dumping generation issues.

☐052507

- HPUX section - added to the 11.31 obsolete parameters that they are applicable to PA-RISC too.
- Linux section - for the Linux on PPC added for RHEL4 that glibc-devel (ppc) and glibc-devel (ppc64) are required per Bug 5436180

☐053007

- Related Documents section - resolved a problem with a broken link

☐061307

- Linux section - corrected version number of libaio for RHEL4 on Linux x86 from 0.3.96 to 0.3.102-1 per Remark 73923.1

☐071807

- Linux section - Moved footnotes for Linux x86_64 9.2 on RHEL3 directly beneath the section (per Remark 75021.1)
- Added LD_ASSUME_KERNEL to Linux Itanium on RHEL4 (per Remark 75729.1)
- Added OEL4 and OEL5 as certified for 10.2 on Linux x86 and Linux x86_64 (per Remark 75767.1)

☐072507

- Sun section - change comment to 112760-05 to state that it is needed for Native PL/SQL only, not generic PL/SQL.

☐080107

- Linux section - added default-rpm NOTE 386391.1 to SLES9 x86-64 section per Remark 76324.1

☐081707

- Linux section - added 11gR1 requirements for Linux x86.

☐082207

- Linux section - 11.1 x86 corrections, 10.2 SLES9 x86_64 corrections, made it consistent with Note 339510.1, addressed Remarks 77473.1,77604.1,77657.1,77682.1

☐091207

- Linux section - 10.2 x86 and x86_64 for [Red Hat,Oracle] Enterprise Linux requirements added (per Remark 78415.1)
- Tru64 section - 10.2,10.1, 9.2 changed the 5.1B required patchset to match the 10.1.0.5/9.2.0.8 patchset READMEs higher level. (per Remark 78544.1)

☐091907

- Sun section - Added patches needed for Fair Share Scheduler on Solaris 10
- Tru64 section - Clarified setting of NEW_WIRE_METHOD on 5.1B PK5

☐100307

- Linux section - Clarified 10.2 Linux Itanium on RHEL4 requirements (per Remark 79375.1)
- Clarified 10.1 Linux Itanium section based on 10.1.0.4 Patchset Readme (per 79375.1)
- Tru64 section - changed default per_proc_stack_size to 32M to help avoid ORA-4030s (per Remark 79349.1)

☐101707

- Main section - Removed Pre-Installation Script notes as they are now decommissioned (Remark 81013.1)
- added OPatch section
- Linux section - Added/Modified RHEL5/OEL5 10.2 Linux x86_64 rpms list per Release Note (Remark 80909.1)
- Removed reference to [Note 301830.1](#) from Linux x86 section as it is for Linux x86_64 (Remark 80978.1)

☐102207

- Linux section - Added 11g on Linux x86_64 requirements

☐102307

- Linux section - Updated 10.2 on Linux on PPC (Remark 81403.1)

☐110707

- Mac OS X section - Updated certification section and fixed broken links (Remark 81782.1)
- Sun section - Fixed broken links to SunSolve (Remark 81766.1)
- Tru64 section - Fixed broken links to HP support (Remark 81769.1)

☐111407

- Linux section - Added net.ipv4.tcp_rmem and net.ipv4.tcp_wmem to 11g Linux x86 (Remark 82482.1)
- Modified required RPMs for OEL/RHEL5 for 10.2 on x86 as updated in [Note 419646.1](#) (Remark 82777.1)
- Removed reference to OEL5 document as it has been merged into [Note 419646.1](#) (Remark 82778.1)
- Modified required RPMs for OEL/RHEL5 for 10.2 on x86_64 as updated in [Note 421308.1](#) (Remark 82779.1)
- Removed reference to OEL5 document as it has been merged into [Note 421308.1](#) (Remark 82780.1)
- added compat-gcc-32-c++ rpm and Patch 5240469 to 10.2 on x86_64 on RHEL4

☐111607

- AIX section - added 11g requirements
- HPUX section - added 11g requirements for HPUX Itanium
- Sun section - added 11g requirements

□112907

HP section - added 11.1 requirements for HPUX PA-RISC

- Removed special installation reference for 10.1 on HPUX Itanium as there are none (Remark 83375.1)

-Linux section - change RMEM_DEFAULT to 4194304 for 11.1 on RHEL5,OEL5 on X86_64 (Remark 83748.1)

-Sun section - added SUNWuiu8 and SUNWulcf to 11.1 (Remark 83714.1)

□120507

-Linux section - Added net.ipv4.tcp_rmem and net.ipv4.tcp_wmem to 10.2 Linux x86 (Remark 83919.1)

□121307

-Linux section - Modified net.ipv4.tcp_rmem and rmem_max and rmem_default to 10.2 Linux x86 (Remark 84422.1)

□121907

-HPUX section - Updated 11.1 and 10.2 HPUX OS patch requirements with superceding patches (Remark 84854.1)

□013008

-AIX section - added Bug 5496862 as a requirement for running AIX 5.3 ML 5 (Remark 91473.1)

□022708

-AIX section - added 6.1 as certified to 10.2 (Remark 92899.1)

- added IZ03475 for 5.3 ML7 to address ORA-27061 (Remark 92047.1)

-HP section - added kctune to OS commands now that 11.31 desupports kmtune (Remark 91954.1)

-Linux section - Update 9.2 on x86_64 on RHEL4 and removed requirement for gnome-libs and Orbit (32bit rpms) (Remark 91893.1)

-Sun section - Added that Update 6 is required for Solaris 9 with 10.2 and Update 7 for Solaris 8 (Remark 92015.1)

□030508

-HP section - added more comments regarding 11.31 and -ignoresysprereqs (Remark 94177.1)

□031808

-Linux section - Added kernel paramaters NET.IPV4.TCP_RMEM and NET.IPV4.TCP_WMEM to x86_64 and Itanium (Remark 94274.1 and 94741.1)

□031908

-HPUX section - Corrected SHMMIN and SHMSEG settings for 11.1 on PA-RISC and IPF

-Sun section - Added month/date to give reference to Solaris Update levels

□032108

-HPUX section - Removed reference to JDK 1.1.8 for 9.2 (Remark 95270.1)

-MAC OSX - Removed broken link

□032608

-Linux section - Added SLES10 and Asinux 2.0 to certified for Linux on Power for 10.2

□041608

-Linux section - corrected typo on compat-libstdc++-devel for Linux x86 on 10.2

□042308

-HPUX section - due to [Bug 6995956](#) changing formula for maxuprc to be (nproc*9/10)+1 (Remark 97557.1)

-Sun section - Added 113029-07 as a required patch for Solaris 9 if using the Fair Scheduler ref: Note 558374.1 (Remark 97290.1)

□092308

- All requests till September 20,2008 incorporated - Patch 6880880 details, Linux X86-64 11GR1 now pointing to correct Note 437123.1

- Obsolete kernel parameters in HP-UX 11.31 - MSGSEG & NFILE documented, added SLES-10 certification 10GR2 64 Bit on Linux (Itanium)

- 11GR1 install on Solaris 5.9 update 7 or higher is required, 11GR1 install on AIX requires 5.3 ML6 or higher is required

- OS Kernel update statement added under PURPOSE section. HP-UX 11.31 PHKL_35936 has been superceded by PHKL_38449

- 11GR1 install on AIX - PATCH 5496862 is required (see Note 390656.1).Note 567506.1 reference added to clarify SHMMAX size

□100908

- HP Itanium 11.31 PHKL_37185 superseded by PHKL_38038

- SUN SPARC Solaris 10 Patch 127111-02 required for 10.2.0.4.0

□103008

- HP-UX 11.31 with 10GR2. 4 HP-UX Patches required as per Part Number B25292-06

- AIX OS supported configuration for 11.1 as per Part Number B32076-03

- Relink of 10.2 fails in Linux on Power After upgrade to RHEL U2. Apply Patch 4767801

- SUN 10 with 11.1. Required SUN Patch 137111-04 as per Part Number B32314-02

- HP-UX on OS 11.31 supported on 9.2

□012209

- HP-UX superceded PPHSS_36343 with PHSS_38140

- HP-UX superceded PHSS_37201 with PHSS_38134

- AIX 5L required or above required for 10.2.0.4.0 & above as per NOTE 739371.1

- AIX 6.1 required packages for 11.1.0.6.0
- HP-RISC / HP-Itanium 11.31 support for 10.2
- Link to internal BUG 6613550 removed
- RHEL5.0 on Linux Itanium (ia64)
- OEL5 / RHEL5.0 rpm changes. Refer Note 421308.1 & Note 419646.1
- AIX issue addressed in Note 422031.1
- HP-UX 11.23 Itanium PHKL_33807 superseded by PHKL_38364
- HP-UX 11.23 Itanium PHKL_36667 superseded by PHKL_37653
- HP-UX 11.23 Itanium PHSS_37492 superseded by PHSS_34444
- HP-UX 11.23 Itanium PHSS_37498 superseded by PHSS_38138 or PHSS_39101
- HP-UX 11.23 Itanium PHSS_37492 superseded by PHSS_38134
- HP-UX 11.23 Itanium PHCO_36323 superseded by PHCO_37940
- RHEL5 certified on 10.2. Refer to Note 748378.1

☐020509

- HP-Itanium NFLOCKS, SEMMNI & MSGTQL parameter changes for 10.2. Part Number B25293-01. Web site below :-
- http://download.oracle.com/docs/cd/B19306_01/install.102/b25293/pre_install.htm#BABJHCJI
- Solaris patches 117837-05, 117846-08 & 118682-01 are only required for Solaris X86 - BUG 6968216
- On AIX 5.3 with 9.2 use -ignoreSysPrereqs with runInstaller (Note 293750.1)
- SEMMNS, SEMVMX & SHMMNI masked as Obsolete as per <http://docs.sun.com/app/docs/doc/817-0404/appendixa-6?l=en&a=view&q=shmmax>

☐022709

- HP-Itanium NFLOCKS, SEMMNI & MSGTQL parameter changes for 9.2 & 10.1.
- 10.2,10.1 & 9.2 - Sun Solaris 10 install Sun patch 127111-03 (SPARC) / 127127-11 (x86-64) See Note 460424.1

☐032409

- net.ipv4.tcp_rmem & net.ipv4.tcp_wmem are no longer required for standalone install

☐050509

- IP_LOCAL_PORT_RANGE changes 9000 65500. Refer Note 339510.1 & Note 419646.1
- 11.31 (PA-RISC) required patches. Part Number B19067-08. Refer Section 4.1 Operating System Filesets for HP-UX 11.31. Web site below :-
- http://download.oracle.com/docs/cd/B19306_01/relnotes.102/b19067/toc.htm
- AIX with 11.1 changes:-
- xLC.aix50.rte:8.0.0.7 or later (AIX 5.3)
- xLC.rte:8.0.0.7 or later (AIX 5.3)
- xLC.aix61.rte:9.0.0.1 or later (AIX 6.1)
- xLC.rte:9.0.0.1 or later (AIX 6.1)
- rmem_default=262144 for 11.1, 10.1 & 10.2
- rmem_max for 11.1 is 4194304. rmem_max for 10.1 & 10.2 is 2097152
- wmem_default=262144
- tcp_rmem & ipv4.tcp_wmem are no longer required for standalone install
- HP-UX (Itanium & PA-RISC) with 11.1 MAXTSIZE_64BIT 1073741824
- Mac OS X - 10.2.0.4 available on Mac OS X Server 10.5 (Intel x86-64)
- Sun OS 137111-04 s/b 137137-09. Refer <http://sunsolve.sun.com/search/document.do?assetkey=1-21-137137-09-1>
- Sun OS 127111-02 s/b 127127-11. Refer <http://sunsolve.sun.com/search/document.do?assetkey=1-21-127127-11-1>
- Sun OS 127111-03 s/b 127127-11. Refer <http://sunsolve.sun.com/search/document.do?assetkey=1-21-127127-11-1>
- AIX 5.3. Added IY84780. Refer <http://www-01.ibm.com/support/docview.wss?uid=isg1Y84780>
- AIX 5.3. Added IY68989. Refer <http://www-01.ibm.com/support/docview.wss?uid=isg1Y68989>
- HugePages on 64-bit Linux. Fixed hard memlock 5243000 & soft memlock 5243000 values. Refer Note 361468.1

☐061009

- HP-UX 11.23 (IA64) OS Patches updated with 9.2.0. Same OS Patches as HP-UX 11.22 (IA64)

☐071409

- rpm's compat-gcc-34-3.4.6-4 & compat-gcc-34-c++-3.4.6-4 are not required for RHEL 5 & OEL 5
- MSGMAP,MAXSWAPCHUNKS, NCALLOUT, SEMMAP,VX_NCSIZE,NFILE, MSGSEG are obsolete on 11.31 (Itanium and PA-RISC) and no longer required to be set

☐080309

- Fix from Note 301665.1 incorporated for 11GR1 on Linux X86_64

☐090909

- 11GR2 requirements for Linux X86 32 BIT & Linux X86 64 BIT added

☐091809

- Fix swap details for Linux X86 64 Bit. If RAM greater than 14Gb then 10Gb
 - Symbolic links not required for HP Itanium on 11GR1 as per Bug 8789180
 - 11GR1 with Linux X86 64 BIT has reference to Note 437123.1 & Note 301665.1
 - Sun Solaris 8 with 10.2 missing packages list included. Refer to Note 366100.1
 - Patch PHKL_38397 or later required on HP OS 11.31. Patch PHKL_37809 or later required for HP OS 11.23. Refer to Note 580273.1.
- Changes incorporated for 11GR1 & 10GR2.
- ulimit changes for Sun SPARC & 11GR1. Refer to Note 250262.1
 - SHMMAX RAM reference added for Linux X86 32 BIT & Linux X86 64 BIT for 11GR1 & 10GR2. Refer to Note 567506.1.

☐121709

- 11GR2 Sun Sparc 64 BIT added
- 11GR2 Install Guide http://download.oracle.com/docs/cd/E11882_01/install.112/e10848/pre_install.htm#BABBBDDGA
- 11GR2 Install Guide for SUN Sparc - Part Number E10848-03
- Linux X86-64 BIT. Added - kernel.shmall - Reference Note 301830.1, kernel.shmmax, kernel.shmmni, kernel.sem
- For 11GR2 & 11GR1 FILE-MAX value is 6815744. This is as per Bug 9140073
- Fixed PHKL_38397 or later
- Columns had moved for HP & were showing differently in Internet Explorer & Fire Fox. Now Fixed

☐021110

- 11GR2 install details for AIX. Part Number E10854-01.
- 11GR2 AIX Install Guide http://download.oracle.com/docs/cd/E11882_01/install.112/e10854/pre_install.htm#CIHFICFD
- 11GR2 install details for HP. Part Number E10851-01.
- 11GR2 HP-UX Install Guide http://download.oracle.com/docs/cd/E11882_01/install.112/e10851/pre_install.htm#CIHEIFDE
- 11GR2 HP-UX Itanium Install Guide http://download.oracle.com/docs/cd/E11882_01/install.112/e10869/toc.htm
- 11GR2 install details for HP-UX Itanium. Part Number E10869-01

☐021910

- 10GR1 with HP-UX 11.31 (Itanium & PA-RISC). Added obsolete parameters Nfile and Msgseg
- 9.2.0 with HP-UX 11.31 (Itanium & PA-RISC). Added obsolete parameters Nfile and Msgseg
- 11GR2 with AIX 6.1, kernel has been upgraded to 6100-02-05 from previous level 6100-02-01.
- 11GR2 with AIX 6.1. APR have been removed with the upgraded kernel 6100-02-05

☐022310

- IBM JDK version for 11GR2

☐031810

- AIX parameters export AIXTHREAD_SCOPE=S for 11GR2 as per Part Number E10839-04

☐072110

- Swap requirements for 11GR2 for various platforms are in sync with Release Notes
- Swap requirements for 11GR1 for various platforms are in sync with Release Notes
- HP-UX OS Patches superceeded for 10GR2. PHSS_37492 s/b PHSS_40537, PHKL_37653 s/b PHKL_41002
- HP-UX OS Patches superceeded for 10GR2. PHSS_38134 s/b PHSS_40537, PHSS_39101 s/b PHSS_40541
- HP-UX OS Patches superceeded for 10GR2. PHSS_34445 s/b PHSS_40547, PHSS_38140 s/b PHSS_40543
- HP-UX OS Patches superceeded for 10GR2. PHSS_38134 s/b PHSS_40537, PHSS_36344 s/b PHSS_40539
- HP-UX OS Patches superceeded for 10GR2. PHCO_37940 s/b PHCO_39699, PHSS_37492 s/b PHSS_40537.
- Oracle 11GR1 install on AIX Power 7 will fail without a Patch 9216848. Doc ID 1065579.1.
- Patch 6613550 has been superseded by 6718715 for AIX on 10GR2.
- net_core.wmem_max value on Linux changed to 1048576 for 11GR1.
- For 11GR2 & 11GR1 FILE-MAX value is 6815744. This is as per Bug 9140073.

☐072910

- Note 223718.1 is outdated now
- Master Note For OPatch (Doc ID 293369.1)
- Patch Set Update (PSU) with Opatch details
- Master Note addition under Related Documents Section

☐082010

- Master Note list updated with Note 293369.1 & Note 851598.1

☐100610

- 10GR2 and 11GR1 on Linux x86 and Linux x86-64 are also certified on SLES11
- Changed Asianux 3.0 to Asianux Server 3
- Added Asianux Server 3 SP2 to Linux x86 & Linux X86-64 BIT for 11GR2
- Disk Space and tmp size for 11GR1 on AIX modified as per Installation Guide

Note 1130325.1-Support Status-Oracle Database on Linux Itanium added to Linux Itanium OS section
RAM size consistent to 4GB for 11GR2 on HP, AIX, SUN & LINUX X86 64 BIT. Based on BUG # 9491478

120310

PA-RISC added for 10GR1 & 10GR2 for OS 11.11. Previous entry was just saying 11.11 (64bit). Now says 11.11 (PA-RISC) (64bit)

Broken Link for HP Kernel settings is fixed for 11GR2

Patch#5496862 as mandatory for Releases: 8.1.7 to 10.2 as stated in Note#390656.1 - IO Interoperability Issue between IBM ML05 and Oracle Databases.

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