

CERTIFICATION WITH ORACLE ENTERPRISE LINUX 4

ORACLE ENTERPRISE LINUX 4

- Oracle Enterprise Linux 4 is fully compatible—both source and binary—with Red Hat Enterprise Linux 4;
- Oracle Enterprise Linux 4 is fully KABI compliant.

Partners: Join the Oracle Unbreakable Linux Product Focus Area and:

- Accelerate Market Opportunity
- Reduce Complexity and Lower Cost
- Gain Flexibility

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Available as open source, Oracle Enterprise Linux is fully compatible—both source and binary—with Red Hat Enterprise Linux AS (RHEL AS). Partners testing and certifying their applications on Oracle Enterprise Linux will, at most, simply install their application on Oracle Enterprise Linux and verify the information described in this data sheet.

Comparing Oracle Enterprise Linux 4 and RHEL4 AS

This data sheet describes the key points that ISVs should consider when installing and certifying their products on [Oracle Enterprise Linux 4](#) (Updates 4, 5, 6, 7, and 8). In general, no changes are required. Some applications may need a minor modification to extend their installation checks to identify Oracle Enterprise Linux 4; the following examples highlight these areas.

Oracle Enterprise Linux 4 Update 4 - [Appendix A of this data sheet](#) includes a complete and detailed list of all the RHEL4 AS Update 4 packages Oracle has modified in Oracle Enterprise Linux 4 Update 4, either to address trademark/logo compliance issues, or for bug fixes/patches.

Oracle Enterprise Linux 4 Update 5 - [Appendix B of this data sheet](#) includes a complete and detailed list of all the RHEL4 AS Update 5 packages Oracle has modified in Oracle Enterprise Linux 4 Update 5, either to address trademark/logo compliance issues, or for bug fixes/patches.

Oracle Enterprise Linux 4 Update 6 - [Appendix C of this data sheet](#) includes a complete and detailed list of all the RHEL4 AS Update 6 packages Oracle has modified in Oracle Enterprise Linux 4 Update 6, either to address trademark/logo compliance issues, or for bug fixes/patches.

Oracle Enterprise Linux 4 Update 7 - [Appendix D of this data sheet](#) includes a complete and detailed list of all the RHEL4 AS Update 7 packages Oracle has modified in Oracle Enterprise Linux 4 Update 7, either to address trademark/logo compliance issues, or for bug fixes/patches.

Oracle Enterprise Linux 4 Update 8 - [Appendix E of this data sheet](#) includes a complete and detailed list of all the RHEL4 AS Update 8 packages Oracle has modified in Oracle Enterprise Linux 4 Update 8, either to address trademark/logo compliance issues, or for bug fixes/patches.

Checking /etc/redhat-release

RHEL4 AS contains a text file /etc/redhat-release which contains a one line string identifying the specific distribution release. This file gets installed by a package called redhat-release. Oracle Enterprise Linux 4 also contains a text file called /etc/redhat-release which gets installed by a package called enterprise-release; there are a few textual changes in this file due to copyrights and trademarks.

RHEL4 AS Update 4	Oracle Enterprise Linux 4 Update 4
# rpm -qf /etc/redhat-release	# rpm -qf /etc/redhat-release
redhat-release-4AS-5.5	enterprise-release-4-3.7.1
# cat /etc/redhat-release	# cat /etc/redhat-release
Red Hat Enterprise Linux AS release 4 (Nahant	Enterprise Linux Enterprise Linux AS release 4

Update 4)	(October Update 4)
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RHEL4 AS Update 5	Oracle Enterprise Linux 4 Update 5
# rpm -qf /etc/redhat-release redhat-release-4AS-6.1 # cat /etc/redhat-release Red Hat Enterprise Linux AS release 4 (Nahant Update 5)	# rpm -qf /etc/redhat-release enterprise-release-4-3.7.4 # cat /etc/redhat-release Enterprise Linux Enterprise Linux AS release 4 (October Update 5)

RHEL4 AS Update 6	Oracle Enterprise Linux 4 Update 6
# rpm -qf /etc/redhat-release redhat-release-4AS-7 # cat /etc/redhat-release Red Hat Enterprise Linux AS release 4 (Nahant Update 6)	# rpm -qf /etc/redhat-release enterprise-release-4-3.7.7 # cat /etc/redhat-release Enterprise Linux Enterprise Linux AS release 4 (October Update 6)

RHEL4 AS Update 7	Oracle Enterprise Linux 4 Update 7
# rpm -qf /etc/redhat-release redhat-release-4AS-8 # cat /etc/redhat-release Red Hat Enterprise Linux AS release 4 (Nahant Update 7)	# rpm -qf /etc/redhat-release enterprise-release-4-3.7.11 # cat /etc/redhat-release Enterprise Linux Enterprise Linux AS release 4 (October Update 7)

RHEL4 AS Update 8	Oracle Enterprise Linux 4 Update 8
# rpm -qf /etc/redhat-release redhat-release-4AS-9 # cat /etc/redhat-release Red Hat Enterprise Linux AS release 4 (Nahant Update 8)	# rpm -qf /etc/redhat-release enterprise-release-4-3.7.15 # cat /etc/redhat-release Red Hat Enterprise Linux Enterprise AS release 4 (Nahant Update 8)

If your application checks the actual content of /etc/redhat-release, then it would have to also detect the changes Oracle has made (the release name has changed); no other change would be required.

Checking for the redhat-release package

Oracle Enterprise Linux 4 does not ship a redhat-release package. Oracle ships an enterprise-release package which installs an equivalent set of files installed by redhat-release on RHEL4 AS. However, the enterprise-release package supplied by Oracle Enterprise Linux 4 provides the redhat-release capability in order to satisfy potential ISV's dependencies on existence and contents of the /etc/redhat-release file.

RHEL4 AS Update 4	Oracle Enterprise Linux 4 Update 4
<pre># rpm -qa grep redhat-release redhat-release-4AS-5.5</pre>	<pre># rpm -qa grep redhat-release # # rpm -qa grep enterprise-release enterprise-release-4-3.7.1 # rpm -q --provides enterprise-release config(enterprise-release) = 6:4-3.7.1 enterprise-release redhat-release enterprise-release = 6:4-3.7.1</pre>

RHEL4 AS Update 5	Oracle Enterprise Linux 4 Update 5
<pre># rpm -qa grep redhat-release redhat-release-4AS-6.1</pre>	<pre># rpm -qa grep redhat-release # # rpm -qa grep enterprise-release enterprise-release-4-3.7.4 # rpm -q --provides enterprise-release config(enterprise-release) = 6:4-3.7.4 enterprise-release redhat-release enterprise-release = 6:4-3.7.4</pre>

RHEL4 AS Update 6	Oracle Enterprise Linux 4 Update 6
<pre># rpm -qa grep redhat-release redhat-release-4AS-7</pre>	<pre># rpm -qa grep redhat-release # # rpm -qa grep enterprise-release enterprise-release-4-3.7.7 # rpm -q --provides enterprise-release config(enterprise-release) = 6:4-3.7.7 enterprise-release redhat-release enterprise-release = 6:4-3.7.7</pre>

RHEL4 AS Update 7	Oracle Enterprise Linux 4 Update 7
<pre># rpm -qa grep redhat-release redhat-release-4AS-8</pre>	<pre># rpm -qa grep redhat-release # # rpm -qa grep enterprise-release enterprise-release-4-3.7.11 # rpm -q --provides enterprise-release config(enterprise-release) = 6:4-3.7.11 enterprise-release</pre>

	redhat-release enterprise-release = 6:4-3.7.11
--	---

RHEL4 AS Update 8	Oracle Enterprise Linux 4 Update 8
# rpm -qa grep redhat-release redhat-release-4AS-9	# rpm -qa grep redhat-release # # rpm -qa grep enterprise-release enterprise-release-4-3.7.15 # rpm -q --provides enterprise-release config(enterprise-release) = 6:4-3.7.15 enterprise-release redhat-release enterprise-release = 6:4-3.7.15

An application install check relying on a required redhat-release dependency will work without any change.

Checking the version of the distribution

An application may check for the version of the distribution. In this case, RHEL4 AS will return 4AS, whereas Oracle Enterprise Linux 4 will return 4.

RHEL4 AS:

```
# rpm -q --qf "% {version}" -f /etc/redhat-release
4AS
```

Oracle Enterprise Linux 4:

```
# rpm -q --qf "% {version}" -f /etc/redhat-release
4
```

Oracle Enterprise Linux 4 returns 4 because Oracle doesn't have separate distributions versions for AS, ES or WS. All of the packages on Oracle Enterprise Linux 4 are from the AS distribution which is the superset of packages from ES and WS. Applications using the `{version}` rpm check would simply have to check for 4, not 4AS or 4WS or 4ES.

The preceding examples are the only major differences between RHEL4 and Oracle Enterprise Linux 4 that might impact installation and certification. If your application installer depends on any of the above checks, you now have all the information needed to make the absolute minimal changes required to transparently run on both Oracle Enterprise Linux 4 and RHEL4.

For ISVs that also check the Linux kernel version

The Red Hat kernel version is `kernel-2.6.9-x.y.z.EL` by default. When custom kernels are built for resolving customer issues, any other sort of numbering might have been used and shouldn't necessarily be relied upon. However, a standard RHN release kernel is of the above format.

Oracle Enterprise Linux 4 keeps the exact same kernel versions and adds two more digits at the end to identify potential fixes incorporated. As always, these fixes are applied only if they are critical fixes not yet applied by Red Hat, and Oracle considers the issues fixed as being important for customer

scenarios. Oracle always provides all fixes to Red Hat and the community in the hope that they will be incorporated in a future release. Oracle does not have more than a handful of patches applied at any given time.

For applications that ship binary kernel modules or check a specific kernel release, `uname -a` or `rpm -q kernel` will return this difference.

Update 4

RHEL4 AS kernel-smp-2.6.9-42.0.8.EL:	Oracle Enterprise Linux 4 kernel-smp-2.6.9-42.0.8.0.1.EL:
# uname -r 2.6.9-42.0.8.ELsmp	\$ uname -r 2.6.9-42.0.8.0.1.ELsmp

Update 5

RHEL4 AS kernel-smp-2.6.9-55.0.2EL:	Oracle Enterprise Linux 4 kernel-smp-2.6.9-55.0.2.0.1.EL:
# uname -r 2.6.9-55.0.2.ELsmp	\$ uname -r 2.6.9-55.0.2.0.1.ELsmp

Update 6

RHEL4 AS kernel-smp-2.6.9-67.EL:	Oracle Enterprise Linux 4 kernel-smp-2.6.9-67.0.0.1.EL:
# uname -r 2.6.9-67.ELsmp	\$ uname -r 2.6.9-67.0.0.1.ELsmp

Update 7

RHEL4 AS kernel-smp-2.6.9-78.EL:	Oracle Enterprise Linux 4 kernel-smp-2.6.9-78.0.0.1.EL:
# uname -r 2.6.9-78.ELsmp	\$ uname -r 2.6.9-78.0.0.1.ELsmp

Update 8

RHEL4 AS kernel-smp-2.6.9-89.EL:	Oracle Enterprise Linux 4 kernel-smp-2.6.9-89.0.0.1.EL:
# uname -r 2.6.9-89.ELsmp	\$ uname -r 2.6.9-89.0.0.1.ELsmp

Note: In this case, Oracle appends “.0.1” to the end of the version number.

Full, Verified kABI Compliance

Oracle Enterprise Linux 4 is fully kABI compliant with RHEL4. In fact, scripts exist to double check if any patch that were to be applied would have any chance of breaking kABI, and Oracle verifies if this would be the case. These verifications are the same as what Red Hat would do.

Any comparison between any kernel of Oracle Enterprise Linux 4 and RHEL 4 will show absolutely

no difference in kABI. Kernel modules built for any RHEL4 kernel that load on any other RHEL4 kernel (since original release) will also load on any kernel released for Oracle Enterprise Linux 4.

When purchasing Oracle Unbreakable Linux support, customers could already have a version of RHEL installed or they could start with Oracle Enterprise Linux. Whichever is the case, customers receive Unbreakable Linux support for exactly the same set of packages.

Compatibility

The preceding information compares Oracle Enterprise Linux 4 and RHEL4, and highlights areas that are of importance to application vendors from a testing and certification point of view. If your application relies on any of the above examples, you now have all the information on what little needs to change. If your application does not rely on any of the above examples, it will run transparently and Oracle is confident that re-certification isn't necessary.

Appendix A – Update 4

List of RHEL4 packages modified in Oracle Enterprise Linux 4 Update 4

The following pages include a complete and detailed list of all the RHEL4 AS packages Oracle had to modify in Oracle Enterprise Linux 4 Update 4. The modifications were either due to trademark or logo issues or due to bug fixes/patches.

Package	Description of Change
anaconda anaconda-runtime	trademark / logo changes
anaconda-help	trademark / logo changes
booty	trademark / logo changes
comps-4AS	trademark / logo changes
enterprise-release	trademark / logo changes
etherreal / wireshark etherreal-gnome / wireshark-gnome	add patch to properly handle ocfs2 networking
firefox firefox-debuginfo	trademark / logo changes
Package	Description of Change
Firstboot	trademark / logo changes
cpp gcc gcc-c++ gcc-g77 gcc-gnat gcc-java gcc-objc libf2c libgcc ibgcj ibgcj-devel libgnat libobjc libstdc++ libstdc++-devel	added fix gcc34-pr23591tls-model-fix.patch to gcc to fix a bug with exception handlers and threads
glade2	added infinite loop fix from ftp://dist.taolinux.org/pub/incoming/parsley/glade-infinite-loop.patch

gnome-desktop gnome-desktop-devel gnome-desktop-debuginfo	trademark / logo changes
gnome-libs gnome-libs-devel	trademark / logo changes
gnome-session gnome-session-debuginfo	trademark / logo changes
gstreamer gstreamer-devel gstreamer-tools	added fix gstreamer-0.8.7-dont-link-valgrind.patch
hicolor-icon-theme	trademark / logo changes
hotplug-2004_04_01	trademark / logo changes
httpd httpd-devel httpd-manual mod_ssl httpd-suexec httpd-debuginfo	trademark / logo changes
indexhtml-4-3	trademark / logo changes
initscripts initscripts-debuginfo	trademark / logo changes
kdebase kdebase-devel	trademark / logo changes
kdegames kdegames-devel	trademark / logo changes
kde-i18n*	trademark / logo changes
kdelibs kdelibs-devel	trademark / logo changes
kdenetwork kdenetwork-devel kdenetwork-nowlistening	trademark / logo changes
kernel	added fix so that bonding primary=ethX picks correct network [IT 101532] [ORA 5136660]
libidn libidn-devel	trademark / logo changes
libsvg2 libsvg2-devel	trademark / logo changes
Package	Description of Change
mcelog	trademark / logo changes
Mkbootdisk	trademark / logo changes
ocfs2-<kernel-versions>	added ocfs2 kernel module package to EL4 ISOs
ocfs2-tools-devel ocfs2-tools ocfs2console	added ocfs2 tools packages to EL4 ISOs
oracleasm-, kernel-versions>	added oracleasm kernel module package to EL4 ISOs
oracleasm-support	added oracleasm support package to EL4 ISOs
oracle-logos	trademark / logo changes
python-elementtree python-elementtree-debuginfo	added package to EL4 ISOs to support yum
python-sqlite	added package to EL4 ISOs to support yum
python-urlgrabber	added package to EL4 ISOs to support yum
redhat-artwork redhat-artwork-debuginfo	trademark / logo changes

redhat-logos	trademark / logo changes
redhat-menus	trademark / logo changes
redhat-rpm-config	trademark / logo changes
rhgb	trademark / logo changes
rhn-applet	trademark / logo changes
ppt rpm rpm-build rpmdb-enterprise rpm-devel rpm-libs rpm-python	trademark / logo changes
seamonkey seamonkey-chat seamonkey-devel seamonkey-dom-inspector seamonkey-js-debugger seamonkey-mail seamonkey-nspr seamonkey-nspr-devel seamonkey-nss seamonkey-nss-devel	trademark / logo changes
specspo	trademark / logo changes
sqlite sqlite-devel sqlite-debuinfo	trademark / logo changes
squirrelmail	trademark / logo changes
mod_dav_svn subversion subversion-devel subversion-perl	trademark / logo changes
system-config-date	trademark / logo changes
system-config-httpd	trademark / logo changes
system-config-kickstart	trademark / logo changes
system-config-netboot	trademark / logo changes
system-config-network system-config-network-tui	trademark / logo changes
Package	Description of Change
system-config-nfs	trademark / logo changes
system-config-packages	trademark / logo changes
system-config-printer system-config-printer-gui	trademark / logo changes
system-config-samba	trademark / logo changes
system-config-securitylevel system-config-securitylevel-tui	trademark / logo changes
system-config-services	trademark / logo changes
system-config-users	trademark / logo changes
system-logviewer	trademark / logo changes
tux	trademark / logo changes
up2date up2date-gnome up2date-debuginfo	trademark / logo changes
uln-yumconf	trademark / logo changes
xemacs-sumo	trademark / logo changes

xemacs-sumo-el xemacs-sumo-info	
xorg-x11 xorg-x11-deprecated-libs xorg-x11-deprecated-libs-devel xorg-x11-devel xorg-x11-doc xorg-x11-font-utils xorg-x11-libs xorg-x11-Mesa-libGL xorg-x11-Mesa-libGLU xorg-x11-sdk xorg-x11-tools xorg-x11-twm xorg-x11-xauth xorg-x11-xdm xorg-x11-Xdmx xorg-x11-xfs xorg-x11-Xnest xorg-x11-Xvfb	trademark / logo changes
xscreensaver	trademark / logo changes
thunderbird thunderbird-debuginfo	trademark / logo changes
yum	added package to EL4 ISOs to support local yum repository configuration
zsh zsh-html	trademark / logo changes

Note: Patch files for Oracle-provided fixes are here <http://oss.oracle.com/el4/oracle-provided-patches/>

Appendix B – Update 5

List of RHEL4 packages modified in Oracle Enterprise Linux 4 Update 5

The following pages include a complete and detailed list of all the RHEL4 AS Update 5 packages Oracle had to modify in Oracle Enterprise Linux 4 Update 5. The modifications were either due to trademark or logo issues or due to bug fixes/patches.

Package	Description of Change
anaconda	Path of the Distribution changed from RedHat to Enterprise on the install CDs.
anaconda-runtime	trademark / logo changes
apr	trademark / logo changes
basesystem	trademark / logo changes
booty	trademark / logo changes
bug_buddy	trademark / logo changes
cryptsetup	trademark / logo changes
createrepo	Added for use with yum.
enterprise-release	Replaces package redhat-release
uln-yumconf	Provide configuration file for yum.
firefox	trademark / logo changes
firstboot	trademark / logo changes
gcc	fix bug with exception handlers and threads
glade2	added infinite loop fix from

	ftp://dist.taolinux.org/pub/incoming/parsley/glade-infinite-loop.patch
gnome-desktop	trademark / logo changes
gnome-desktop-devel	trademark / logo changes
gnome-libs	trademark / logo changes
gnome-session	trademark / logo changes
gpm	trademark / logo changes
gstreamer	trademark / logo changes
gstreamer_plugins	trademark / logo changes
hicolor-icon-theme	trademark / logo changes
hotplug	trademark / logo changes
httpd	trademark / logo changes
indexhtml	trademark / logo changes
initscripts	trademark / logo changes
kdebase	trademark / logo changes
kdegames	trademark / logo changes
kde-i18n	trademark / logo changes
kdenetwork	trademark / logo changes
kernel	Bug fixes added by Oracle mentioned in release notes.
kernel-utils	Updated firmware from Intel
kudzu	trademark / logo changes
libidn	trademark / logo changes
libsvg2	trademark / logo changes
libxml2	trademark / logo changes
seamonkey	trademark / logo changes
redhat-artwork	trademark / logo changes
Package	Description of Change
redhat-lsb	trademark / logo changes
redhat-menus	trademark / logo changes
redhat-rpm-config	trademark / logo changes
rhgb	trademark / logo changes
oracle-logos	Replaces rpm redhat-logs from upstream product.
rhn-applet	trademark / logo changes
rhpl	trademark / logo changes
rpm	trademark / logo changes
sblim	trademark / logo changes
sgml-common	trademark / logo changes
specspo	trademark / logo changes
squirrelmail	trademark / logo changes
subversion	trademark / logo changes

stunnel	trademark / logo changes
sysreport	trademark / logo changes
system-config-date	trademark / logo changes
system-config-httpd	trademark / logo changes
system-config-kickstart	trademark / logo changes
system-config-netboot	trademark / logo changes
system-config-network	trademark / logo changes
system-config-nfs	trademark / logo changes
system-config-packages	trademark / logo changes
system-config-samba	trademark / logo changes
system-config-securitylevel	trademark / logo changes
system-config-services	trademark / logo changes
system-config-users	trademark / logo changes
system-logviewer	trademark / logo changes
top-pegasus	trademark / logo changes
thunderbird	trademark / logo changes
tux	trademark / logo changes
up2date	Changes to support Unbreakable Linux Network.
up2date-gnome	trademark / logo changes
wireshark	ocfs2 related changes
xemacs	trademark / logo changes
xemacs-sumo	trademark / logo changes
Package	Description of Change
xorg-x11	trademark / logo changes
xscreensaver	trademark / logo changes
zsh	trademark / logo changes

Note: Patch files for Oracle-provided fixes are here <http://oss.oracle.com/el4/oracle-provided-patches/>

Appendix C – Update 6

List of RHEL4 packages modified in Oracle Enterprise Linux 4 Update 6

The following pages include a complete and detailed list of all the RHEL4 AS Update 6 packages Oracle had to modify in Oracle Enterprise Linux 4 Update 6. The modifications were either due to trademark or logo issues or due to bug fixes/patches.

Package	Description of Change
anaconda	Path of the Distribution changed from RedHat to Enterprise on the install CDs

anaconda-runtime	trademark / logo changes
basesystem	trademark / logo changes
booty	trademark / logo changes
bug_budy	trademark / logo changes
cryptsetup	trademark / logo changes
createrepo	Added for use with yum.
enterprise-release	Replaces package redhat-release
evolution28	trademark / logo changes
uln-yumconf	Provide configuration file for yum.
firefox	trademark / logo changes
firstboot	trademark / logo changes
gcc	fix bug with exception handlers and threads
glade2	added infinite loop fix from ftp://dist.taolinux.org/pub/incoming/parsley/glade-infinite-loop.patch
gnome-desktop	trademark / logo changes
gnome-desktop-devel	trademark / logo changes
gnome-libs	trademark / logo changes
gnome-session	trademark / logo changes
gpm	trademark / logo changes
gstreamer	trademark / logo changes
hicolor-icon-theme	trademark / logo changes
hotplug	trademark / logo changes
httpd	trademark / logo changes
indexhtml	trademark / logo changes
initscripts	trademark / logo changes
kdebase	trademark / logo changes
Package	Description of Change
kdegames	trademark / logo changes
kde-i18n	trademark / logo changes
kdenetwork	trademark / logo changes
kernel	Bug fixes added by Oracle mentioned in release notes.
kernel-utils	Updated firmware from Intel
kudzu	trademark / logo changes
libidn	trademark / logo changes
libsvg2	trademark / logo changes
libxslt	trademark / logo changes
libxml2	trademark / logo changes
pidgin	trademark / logo changes
seamonkey	trademark / logo changes
redhat-artwork	trademark / logo changes

redhat-lsb	trademark / logo changes
redhat-menus	trademark / logo changes
redhat-rpm-config	trademark / logo changes
rhgb	trademark / logo changes
oracle-logos	Replaces rpm redhat-logs from upstream product.
rhn-applet	trademark / logo changes
rhpl	trademark / logo changes
rpm	trademark / logo changes
sblim	trademark / logo changes
sgml-common	trademark / logo changes
Sos	trademark / logo changes
specspo	trademark / logo changes
squirrelmail	trademark / logo changes
subversion	trademark / logo changes
stunnel	trademark / logo changes
sysreport	trademark / logo changes
system-config-date	trademark / logo changes
system-config-httpd	trademark / logo changes
system-config-kickstart	trademark / logo changes
system-config-netboot	trademark / logo changes
system-config-network	trademark / logo changes
system-config-nfs	trademark / logo changes
system-config-packages	trademark / logo changes
system-config-samba	trademark / logo changes
Package	Description of Change
system-config-securitylevel	trademark / logo changes
system-config-services	trademark / logo changes
system-config-users	trademark / logo changes
system-logviewer	trademark / logo changes
top-pegasus	trademark / logo changes
thunderbird	trademark / logo changes
tux	trademark / logo changes
up2date	Changes to support Unbreakable Linux Network.
up2date-gnome	trademark / logo changes
wireshark	ocfs2 related changes
xemacs-sumo	trademark / logo changes
xorg-x11	trademark / logo changes

xscreensaver	trademark / logo changes
zsh	trademark / logo changes

Note: Patch files for Oracle-provided fixes are here <http://oss.oracle.com/el4/oracle-provided-patches/>

Appendix D – Update 7

List of RHEL4 packages modified in Oracle Enterprise Linux 4 Update 7

The following pages include a complete and detailed list of all the RHEL4 AS Update 7 packages Oracle had to modify in Oracle Enterprise Linux 4 Update 7. The modifications were either due to trademark or logo issues or due to bug fixes/patches.

Package	Description of Change
anaconda	Path of the Distribution changed from RedHat to Enterprise on the install CDs.
anaconda-help	trademark / logo changes
anaconda-product	trademark / logo changes
anaconda-runtime	trademark / logo changes
apr	trademark / logo changes
atk	trademark / logo changes
at-spi	trademark / logo changes
basesystem	trademark / logo changes
bluez-utils	trademark / logo changes
booty	trademark / logo changes
bug_budy	trademark / logo changes
compat-boost-1331	trademark / logo changes
cryptsetup	trademark / logo changes
createrepo	Added for use with yum.
enterprise-release	Replaces package redhat-release
Package	Description of Change
firefox	trademark / logo changes
firstboot	trademark / logo changes
frysk	trademark / logo changes
gcc	trademark / logo changes
gdk-pixbuf	trademark / logo changes
glade2	trademark / logo changes
gnome-desktop	trademark / logo changes
gnome-desktop-devel	trademark / logo changes
gnome-libs	trademark / logo changes
gnome-session	trademark / logo changes
gnupg	trademark / logo changes
gpm	trademark / logo changes
gstreamer	trademark / logo changes

gstreamer_plugins	trademark / logo changes
hicolor-icon-theme	trademark / logo changes
hotplug	trademark / logo changes
httpd	trademark / logo changes
http-devel	trademark / logo changes
http-manual	trademark / logo changes
http-suexec	trademark / logo changes
indexhtml	trademark / logo changes
initscripts	trademark / logo changes
irda-utils	trademark / logo changes
kdebase	trademark / logo changes
kdegames	trademark / logo changes
kde-i18n	trademark / logo changes
kdenetwork	trademark / logo changes
kdesdk	trademark / logo changes
kdeutils	trademark / logo changes
kdevelop	trademark / logo changes
kernel	Bug fixes added by Oracle mentioned in release notes.
kernel-utils	Updated firmware from Intel
kudzu	trademark / logo changes
libdb1	trademark / logo changes
libidn	trademark / logo changes
libsvg2	trademark / logo changes
libxml2	trademark / logo changes
mod_ssl	trademark / logo changes
OpenIPMI	trademark / logo changes
Package	Description of Change
ORBit	trademark / logo changes
pilot-link	trademark / logo changes
seamonkey	trademark / logo changes
seamonkey-chat	trademark / logo changes
seamonkey-devel	trademark / logo changes
seamonkey-dom-inspector	trademark / logo changes
seamonkey-js-debugger	trademark / logo changes
seamonkey-mail	trademark / logo changes
seamonkey-nspr	trademark / logo changes
seamonkey-nspr-devel	trademark / logo changes
seamonkey-nss	trademark / logo changes
seamonkey-nss-devel	trademark / logo changes

redhat-artwork	trademark / logo changes
redhat-lsb	trademark / logo changes
redhat-menus	trademark / logo changes
redhat-rpm-config	trademark / logo changes
rhgb	trademark / logo changes
oracle-logos	Replaces rpm redhat-logos from upstream product.
rhn-applet	trademark / logo changes
rhpl	trademark / logo changes
samba	trademark / logo changes
sblim	trademark / logo changes
sgml-common	trademark / logo changes
sos	trademark / logo changes
specspo	trademark / logo changes
squirrelmail	trademark / logo changes
subversion	trademark / logo changes
stunnel	trademark / logo changes
swig	trademark / logo changes
system-config-boot	trademark / logo changes
system-config-date	trademark / logo changes
system-config-display	trademark / logo changes
system-config-httpd	trademark / logo changes
system-config-keyboard	trademark / logo changes
system-config-kickstart	trademark / logo changes
system-config-language	trademark / logo changes
Package	Description of Change
system-config-lvm	trademark / logo changes
system-config-mouse	trademark / logo changes
system-config-netboot	trademark / logo changes
system-config-network	trademark / logo changes
system-config-nfs	trademark / logo changes
system-config-packages	trademark / logo changes
system-config-printer	trademark / logo changes
system-config-rootpassword	trademark / logo changes
system-config-samba	trademark / logo changes
system-config-securitylevel	trademark / logo changes
system-config-services	trademark / logo changes

system-config-soundcard	trademark / logo changes
system-config-users	trademark / logo changes
system-logviewer	trademark / logo changes
top-pegasus	trademark / logo changes
thunderbird	trademark / logo changes
tux	trademark / logo changes
unixODBC	trademark / logo changes
up2date	Changes to support Unbreakable Linux Network.
up2date-gnome	trademark / logo changes
wireshark	trademark / logo changes
xemacs	trademark / logo changes
xemacs-sumo	trademark / logo changes
xmms	trademark / logo changes
xorg-x11	trademark / logo changes
xterm	trademark / logo changes
thunderbird	trademark / logo changes
zsh	trademark / logo changes

Note: Patch files for Oracle-provided fixes are here <http://oss.oracle.com/el4/oracle-provided-patches/>

Appendix E – Update 8

List of RHEL4 packages modified in Oracle Enterprise Linux 4 Update 8

The following pages include a complete and detailed list of all the RHEL4 AS Update 8 packages Oracle had to modify in Oracle Enterprise Linux 4 Update 8. The modifications were either due to trademark or logo issues or due to bug fixes/patches.

Package	Description of Change
anaconda	Path of the Distribution changed from RedHat to Enterprise on the install CDs.
anaconda-help	trademark / logo changes
anaconda-product	trademark / logo changes
anacron	trademark / logo changes
atk	trademark / logo changes
at-spi	trademark / logo changes
basesystem	trademark / logo changes
booty	trademark / logo changes
bug_buddy	trademark / logo changes
compat-boost-1331	trademark / logo changes

comps	trademark / logo changes
coreutils	trademark / logo changes
crash	trademark / logo changes
cryptsetup	trademark / logo changes
createrepo	Added for use with yum.
cyrus-imapd	trademark / logo changes
enterprise-release	Replaces package redhat-release
Package	Description of Change
evolution	trademark / logo changes
firefox	trademark / logo changes
firstboot	trademark / logo changes
frysk	trademark / logo changes
gcc	trademark / logo changes
gdk-pixbuf	trademark / logo changes
gd	trademark / logo changes
gimp-print	trademark / logo changes
glade2	trademark / logo changes
gnome-desktop	trademark / logo changes
gnome-libs	trademark / logo changes
gnome-session	trademark / logo changes
gnupg	trademark / logo changes
gnutils	trademark / logo changes
grub	fix problem with grub segfaulting
gstreamer	trademark / logo changes
gstreamer_plugins	trademark / logo changes
hicolor-icon-theme	trademark / logo changes
httpd	trademark / logo changes
indexhtml	trademark / logo changes
initscripts	trademark / logo changes
irda-utils	trademark / logo changes
kdebase	trademark / logo changes
kdegames	trademark / logo changes
kde-i18n	trademark / logo changes
kdenetwork	trademark / logo changes
kdesdk	trademark / logo changes
kdeutils	trademark / logo changes
kdevelop	trademark / logo changes
kernel	Bug fixes added by Oracle mentioned in release notes.
kernel-utils	Updated firmware from Intel
kudzu	trademark / logo changes

libdbi	trademark / logo changes
libexif	trademark / logo changes
libidn	trademark / logo changes
libsvg2	trademark / logo changes
libvorbis	trademark / logo changes
libxml2	trademark / logo changes
libxslt	trademark / logo changes
memtest86+	trademark / logo changes
miniChinput	trademark / logo changes
mkbootdisk	trademark / logo changes
mkinitrd	trademark / logo changes
mpitests	trademark / logo changes
NetworkManager	trademark / logo changes
nss	trademark / logo changes
openmotif21	trademark / logo changes
Package	Description of Change
ORBit	trademark / logo changes
pilot-link	trademark / logo changes
python-elementtree	trademark / logo changes
python-sqlite	trademark / logo changes
python-urlgrabber	trademark / logo changes
redhat-artwork	trademark / logo changes
redhat-lsb	trademark / logo changes
redhat-logos	Replaced by oracle-logs
redhat-menus	trademark / logo changes
redhat-rpm-config	trademark / logo changes
rhgb	trademark / logo changes
rhnlib	trademark / logo changes
rhn-applet	trademark / logo changes
rhpl	trademark / logo changes
rpm-enterprise	trademark / logo changes
ruby	trademark / logo changes
sblim	trademark / logo changes
seamonkey	trademark / logo changes
sos	trademark / logo changes
specspo	trademark / logo changes
sqlite	trademark / logo changes
squirrelmail	trademark / logo changes
stunnel	trademark / logo changes
subversion	trademark / logo changes

swig	trademark / logo changes
system-config-date	trademark / logo changes
system-config-nfd	trademark / logo changes
system-config-samba	trademark / logo changes
system-config-users	trademark / logo changes
system-config-kickstart	trademark / logo changes
system-config-services	trademark / logo changes
system-config-httpd	trademark / logo changes
system-config-netboot	trademark / logo changes
Package	Description of Change
system-config-packages	trademark / logo changes
system-config-printer	trademark / logo changes
system-config-netboot	trademark / logo changes
system-config-network	trademark / logo changes
system-config-securitylevel	trademark / logo changes
system-logviewer	trademark / logo changes
systemtap	detect enterprise-release
top-pegasus	trademark / logo changes
thunderbird	trademark / logo changes
tux	trademark / logo changes
unixODBC	trademark / logo changes
up2date	Changes to support Unbreakable Linux Network.
wireshark	add oracle-ocfs-network.patch
xemacs-sumo	trademark / logo changes
xmms	trademark / logo changes
xorg-x11	trademark / logo changes
xscreensaver	trademark / logo changes
xterm	trademark / logo changes
thunderbird	trademark / logo changes
yum	for Up2date with ULN
zsh	trademark / logo changes

Note: Patch files for Oracle-provided fixes are here <http://oss.oracle.com/e14/oracle-provided-patches/>

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