



Dialogic® PowerMedia™ IP Media Server Release 3.1.0

**Installing Red Hat Enterprise Linux 5.0 for the Dialogic® PowerMedia™ IP
Media Server**

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About this Publication

This document describes how to install and configure *Red Hat Enterprise Linux 5* for use with the Dialogic® PowerMedia™ IP Media Server Release 3.1.0. The information in this document is based on *Red Hat Enterprise Linux 5.2* which is the latest update supported by the IP Media Server.

Dialogic® PowerMedia™ IP Media Server Release 3.1.0

Release 3.1.0 of the Dialogic® PowerMedia™ IP Media Server (which is also referred to herein as “IP Media Server” or “Media Server”) is available as an integrated appliance or as licensed software that you can install. If you choose the latter option, you must properly install and configure Red Hat Enterprise Linux 5.2 on a certified hardware platform.

Although the IP Media Server is available in software form, it cannot be treated as a generic software “application.” The hardware platform and underlying Linux installation must be configured to support the IP Media Server’s real-time performance requirements. The selection of Linux packages that will be co-resident with the IP Media Server software is also required.

This document details the Linux configuration requirements. It also describes and provides references to information on how to automate a custom Linux installation that meets these requirements.

Minimum Server Hardware Requirements

The server on which you install the IP Media Server software must meet the minimum hardware requirements listed in the following table:

Item	Requirements
Processor	Two 64-bit Intel Xeon Processors running at no less than 2.8 GHz, with 800 MHz front side bus, and 2 MB L2 cache
Memory	2 GB ECC DDR-2 SDRAM
Ethernet	Dual 1000baseT Gigabit Ethernet
Disk	At least 30 GB Ultra320 SCSI 10000 RPM hard drive

The IP Media Server can be used as a dedicated telephony media server. Installing other software applications on the same physical device that is configured as the IP Media Server may adversely affect the performance of the IP Media Server.

Tested Server Hardware Platforms

The following server hardware platform has been qualified with IP Media Server Release 3.1.0:

- ◆ Dell R140 Rack Mount Server

IP Media Server Software Organization

The IP Media Server packages install themselves into a directory structure that roughly follows the guidelines specified in the Filesystem Hierarchy Standard. The IP Media Server binaries and related files are installed in `/opt/snowshore/` and temporary output such as log files is written to `/var/snowshore/log`.

Note: You cannot modify the location of these directories.

Creating an Automated Red Hat Linux Installation

Red Hat Linux installations can be automated using a ***kickstart*** script and server. The server, which can be accessed via multiple network protocols, exports a copy of the directories contained on the installation CD-ROMs. The ***kickstart*** script partitions the system, configures the network, selects and installs packages, and also provides for post-install scripting. This last feature can be used to automatically install and configure the Dialogic® PowerMedia™ IP Media Server software packages.

To create Linux installations using ***kickstart*** you must:

- 1** Copy the data from the **Red Hat Enterprise Linux 5.2** installation CD-ROMs and make these directories available to other systems over the network.
- 2** Create a boot CD that will be used to bootstrap new systems into the ***kickstart*** script.
- 3** Create a ***kickstart*** script to control the installation and make it available to other systems over the network. “Kickstart Script Template” (page 27) contains a ***kickstart*** script template for IP Media Server installation. Very little editing is required in a few well-marked areas to use the script on your network.

Details on creating a kickstart server and boot CD can be found in the *Red Hat Enterprise Linux: Installation Guide*. Section 2.5 of that guide describes how to prepare for a network installation. Please note that you must copy the contents of the CD-ROMs as described in that section for a kickstart installation. It is not sufficient to copy the CD-ROM ISO images to a network-accessible location.

Alphabetical List of Required Packages

The following is the inclusive list of packages required for IP Media Server Release 3.1.0 operation for the following two versions:

- ◆ 32 bit
- ◆ 64 bit

32 Bit

```
acl-2.2.39-3.el5.i386.rpm
acpid-1.0.4-5.i386.rpm
amtu-1.0.6-1.el5.i386.rpm
anacron-2.3-45.el5.i386.rpm
apmd-3.2.2-5.i386.rpm
apr-1.2.7-11.i386.rpm
apr-util-1.2.7-7.el5.i386.rpm
aspell-0.60.3-7.1.i386.rpm
aspell-en-6.0-2.1.i386.rpm
at-3.1.8-82.fc6.i386.rpm
atk-1.12.2-1.fc6.i386.rpm
atk-devel-1.12.2-1.fc6.i386.rpm
attr-2.4.32-1.1.i386.rpm
audit-1.6.5-9.el5.i386.rpm
audit-libs-1.6.5-9.el5.i386.rpm
audit-libs-python-1.6.5-9.el5.i386.rpm
authconfig-5.3.21-3.el5.i386.rpm
autofs-5.0.1-0.rc2.88.i386.rpm
basesystem-8.0-5.1.1.noarch.rpm
bash-3.2-21.el5.i386.rpm
bc-1.06-21.i386.rpm
beecrypt-4.1.2-10.1.1.i386.rpm
bind-libs-9.3.4-6.P1.el5.i386.rpm
bind-utils-9.3.4-6.P1.el5.i386.rpm
binutils-2.17.50.0.6-6.el5.i386.rpm
bluez-gnome-0.5-5.fc6.i386.rpm
bluez-hcidump-1.32-1.i386.rpm
bluez-libs-3.7-1.i386.rpm
bluez-utils-3.7-2.i386.rpm
bzip2-1.0.3-3.i386.rpm
bzip2-libs-1.0.3-3.i386.rpm
cairo-1.2.4-5.el5.i386.rpm
ccid-1.0.1-6.el5.i386.rpm
checkpolicy-1.33.1-4.el5.i386.rpm
chkconfig-1.3.30.1-2.i386.rpm
chkfontpath-1.10.1-1.1.i386.rpm
compat-libstdc296-2.96-138.i386.rpm
compat-libstdc33-3.2.3-61.i386.rpm
comps-extras-11.1-1.1.noarch.rpm
conman-0.1.9.2-8.el5.i386.rpm
coolkey-1.1.0-6.el5.i386.rpm
coreutils-5.97-14.el5.i386.rpm
cpio-2.6-20.i386.rpm
cpp-4.1.2-42.el5.i386.rpm
cpuspeed-1.2.1-3.el5.i386.rpm
```

cracklib-2.8.9-3.3.i386.rpm
cracklib-dicts-2.8.9-3.3.i386.rpm
crash-4.0-5.0.3.i386.rpm
crontabs-1.10-8.noarch.rpm
cryptsetup-luks-1.0.3-2.2.el5.i386.rpm
cups-1.2.4-11.18.el5.i386.rpm
cups-libs-1.2.4-11.18.el5.i386.rpm
curl-7.15.5-2.el5.i386.rpm
cyrus-sasl-2.1.22-4.i386.rpm
cyrus-sasl-lib-2.1.22-4.i386.rpm
cyrus-sasl-plain-2.1.22-4.i386.rpm
db4-4.3.29-9.fc6.i386.rpm
dbus-1.0.0-7.el5.i386.rpm
dbus-glib-0.70-5.i386.rpm
dbus-python-0.70-7.el5.i386.rpm
Deployment_Guide-en-US-5.2-9.noarch.rpm
desktop-file-utils-0.10-7.i386.rpm
device-mapper-1.02.24-1.el5.i386.rpm
device-mapper-multipath-0.4.7-17.el5.i386.rpm
dhcdbd-2.2-1.el5.i386.rpm
dhclient-3.0.5-13.el5.i386.rpm
dhcpv6-client-1.0.10-4.el5.i386.rpm
diffutils-2.8.1-15.2.3.el5.i386.rpm
distcache-1.4.5-14.1.i386.rpm
dmidecode-2.7-1.28.2.el5.i386.rpm
dmraid-1.0.0.rc13-9.el5.i386.rpm
dos2unix-3.1-27.1.i386.rpm
dosfstools-2.11-6.2.el5.i386.rpm
dump-0.4b41-2.fc6.i386.rpm
e2fsprogs-1.39-15.el5.i386.rpm
e2fsprogs-libs-1.39-15.el5.i386.rpm
ed-0.2-38.2.2.i386.rpm
eject-2.1.5-4.2.el5.i386.rpm
ElectricFence-2.2.2-20.2.2.i386.rpm
elfutils-0.125-3.el5.i386.rpm
elfutils-libelf-0.125-3.el5.i386.rpm
elfutils-libelf-devel-0.125-3.el5.i386.rpm
emacs-common-21.4-20.el5.i386.rpm
emacs-leim-21.4-20.el5.i386.rpm
enscript-1.6.4-4.1.el5.i386.rpm
ethtool-5-1.el5.i386.rpm
expat-1.95.8-8.2.1.i386.rpm
expect-5.43.0-5.1.i386.rpm
fbset-2.1-22.i386.rpm
file-4.17-13.i386.rpm
filesystem-2.4.0-1.i386.rpm
findutils-4.2.27-4.1.i386.rpm
finger-0.17-32.2.1.1.i386.rpm
firstboot-tui-1.4.27.3-1.el5.noarch.rpm
fontconfig-2.4.1-7.el5.i386.rpm
fontconfig-devel-2.4.1-7.el5.i386.rpm
freetype-2.2.1-19.el5.i386.rpm
freetype-devel-2.2.1-19.el5.i386.rpm
ftp-0.17-33.fc6.i386.rpm
gawk-3.1.5-14.el5.i386.rpm
gcc-4.1.2-42.el5.i386.rpm
GConf2-2.14.0-9.el5.i386.rpm

gd-2.0.33-9.4.el5_1.1.i386.rpm
gdb-6.5-37.el5.i386.rpm
gdbm-1.8.0-26.2.1.i386.rpm
gettext-0.14.6-4.el5.i386.rpm
ghostscript-8.15.2-9.1.el5_1.1.i386.rpm
ghostscript-fonts-5.50-13.1.1.noarch.rpm
giflib-4.1.3-7.1.el5.1.i386.rpm
giflib-utils-4.1.3-7.1.el5.1.i386.rpm
glib2-2.12.3-2.fc6.i386.rpm
glib2-devel-2.12.3-2.fc6.i386.rpm
glibc-2.5-24.i386.rpm
glibc-common-2.5-24.i386.rpm
glibc-devel-2.5-24.i386.rpm
glibc-headers-2.5-24.i386.rpm
gmp-4.1.4-10.el5.i386.rpm
gnome-python2-gconf-2.16.0-1.fc6.i386.rpm
gnu-efi-3.0c-1.1.i386.rpm
gnupg-1.4.5-13.i386.rpm
gnutls-1.4.1-2.i386.rpm
gpm-1.20.1-74.1.i386.rpm
grep-2.5.1-54.2.el5.i386.rpm
groff-1.18.1.1-11.1.i386.rpm
grub-0.97-13.2.i386.rpm
gtk2-2.10.4-20.el5.i386.rpm
gtk2-devel-2.10.4-20.el5.i386.rpm
gzip-1.3.5-10.el5.i386.rpm
hal-0.5.8.1-35.el5.i386.rpm
hdparm-6.6-2.i386.rpm
hesiod-3.1.0-8.i386.rpm
htmlview-4.0.0-2.el5.noarch.rpm
httpd-2.2.3-11.el5_1.3.i386.rpm
hwdata-0.213.6-1.el5.noarch.rpm
ifd-egate-0.05-15.i386.rpm
ImageMagick-6.2.8.0-4.el5_1.1.i386.rpm
info-4.8-14.el5.i386.rpm
initscripts-8.45.19.EL-1.i386.rpm
iproute-2.6.18-7.el5.i386.rpm
ipsec-tools-0.6.5-9.el5.i386.rpm
iptables-1.3.5-4.el5.i386.rpm
iptables-ipv6-1.3.5-4.el5.i386.rpm
iptstate-1.4-1.1.2.2.i386.rpm
iputils-20020927-43.el5.i386.rpm
irda-utils-0.9.17-2.fc6.i386.rpm
irqbalance-0.55-10.el5.i386.rpm
isdn4k-utils-3.2-51.el5.i386.rpm
jpackage-utils-1.7.3-1jpp.2.el5.noarch.rpm
jwhois-3.2.3-8.el5.i386.rpm
kbd-1.12-20.el5.i386.rpm
kernel-2.6.18-92.el5.i686.rpm
kernel-devel-2.6.18-92.el5.i686.rpm
kernel-headers-2.6.18-92.el5.i386.rpm
kernel-PAE-2.6.18-92.el5.i686.rpm
kernel-PAE-devel-2.6.18-92.el5.i686.rpm
kexec-tools-1.102pre-21.el5.i386.rpm
keyutils-libs-1.2-1.el5.i386.rpm
kpartx-0.4.7-17.el5.i386.rpm
krb5-libs-1.6.1-25.el5.i386.rpm

krb5-workstation-1.6.1-25.el5.i386.rpm
ksh-20060214-1.7.i386.rpm
kudzu-1.2.57.1.17-1.i386.rpm
lcms-1.15-1.2.2.i386.rpm
less-394-5.el5.i386.rpm
lftp-3.5.1-2.fc6.i386.rpm
libacl-2.2.39-3.el5.i386.rpm
libaio-0.3.106-3.2.i386.rpm
libattr-2.4.32-1.1.i386.rpm
libcap-1.10-26.i386.rpm
libdrm-2.0.2-1.1.i386.rpm
libevent-1.1a-3.2.1.i386.rpm
liberation-fonts-1.0-1.el5.noarch.rpm
libFS-1.0.0-3.1.i386.rpm
libgcc-4.1.2-42.el5.i386.rpm
libgcrypt-1.2.3-1.i386.rpm
libgpg-error-1.4-2.i386.rpm
libgssapi-0.10-2.i386.rpm
libhugetlbfs-1.2-5.el5.i386.rpm
libICE-1.0.1-2.1.i386.rpm
libicu-3.6-5.11.1.i386.rpm
libicu-devel-3.6-5.11.1.i386.rpm
libIDL-0.8.7-1.fc6.i386.rpm
libidn-0.6.5-1.1.i386.rpm
libjpeg-6b-37.i386.rpm
libjpeg-devel-6b-37.i386.rpm
libmng-1.0.9-5.1.i386.rpm
libmng-devel-1.0.9-5.1.i386.rpm
libnl-1.0-0.10.pre5.5.i386.rpm
libnotify-0.4.2-6.el5.i386.rpm
libpcap-0.9.4-12.el5.i386.rpm
libpng-1.2.10-7.1.el5_0.1.i386.rpm
libpng-devel-1.2.10-7.1.el5_0.1.i386.rpm
libselinux-1.33.4-5.el5.i386.rpm
libselinux-python-1.33.4-5.el5.i386.rpm
libsemanage-1.9.1-3.el5.i386.rpm
libsepol-1.15.2-1.el5.i386.rpm
libSM-1.0.1-3.1.i386.rpm
libsmi-0.4.5-2.el5.i386.rpm
libstdc4.1.2-42.el5.i386.rpm
libsysfs-2.0.0-6.i386.rpm
libtermcap-2.0.8-46.1.i386.rpm
libtermcap-devel-2.0.8-46.1.i386.rpm
libtiff-3.8.2-7.el5.i386.rpm
libtool-ltdl-1.5.22-6.1.i386.rpm
libusb-0.1.12-5.1.i386.rpm
libuser-0.54.7-2.el5.5.i386.rpm
libutempter-1.1.4-3.fc6.i386.rpm
libvolume_id-095-14.16.el5.i386.rpm
libwnck-2.16.0-4.fc6.i386.rpm
libwvstreams-4.2.2-2.1.i386.rpm
libX11-1.0.3-9.el5.i386.rpm
libXau-1.0.1-3.1.i386.rpm
libXcursor-1.1.7-1.1.i386.rpm
libXdmcp-1.0.1-2.1.i386.rpm
libXext-1.0.1-2.1.i386.rpm
libXfixes-4.0.1-2.1.i386.rpm

libXft-2.1.10-1.1.i386.rpm
libXi-1.0.1-3.1.i386.rpm
libXinerama-1.0.1-2.1.i386.rpm
libxml2-2.6.26-2.1.2.1.i386.rpm
libxml2-python-2.6.26-2.1.2.1.i386.rpm
libXrandr-1.1.1-3.1.i386.rpm
libXrender-0.9.1-3.1.i386.rpm
libXres-1.0.1-3.1.i386.rpm
libxslt-1.1.17-2.i386.rpm
libXt-1.0.2-3.1.fc6.i386.rpm
libXxf86vm-1.0.1-3.1.i386.rpm
lm_sensors-2.10.0-3.1.i386.rpm
lockdev-1.0.1-10.i386.rpm
logrotate-3.7.4-8.i386.rpm
logwatch-7.3-6.el5.noarch.rpm
lrzsz-0.12.20-22.1.i386.rpm
lsof-4.78-3.i386.rpm
lvm2-2.02.32-4.el5.i386.rpm
lynx-2.8.5-28.1.i386.rpm
m2crypto-0.16-6.el5.2.i386.rpm
m4-1.4.5-3.el5.1.i386.rpm
mailcap-2.1.23-1.fc6.noarch.rpm
mailx-8.1.1-44.2.2.i386.rpm
make-3.81-3.el5.i386.rpm
MAKEDEV-3.23-1.2.i386.rpm
man-1.6d-1.1.i386.rpm
man-pages-2.39-10.el5.noarch.rpm
mcstrans-0.2.7-1.el5.i386.rpm
mdadm-2.6.4-1.el5.i386.rpm
mesa-libGL-6.5.1-7.5.el5.i386.rpm
mgetty-1.1.33-9.fc6.i386.rpm
microcode_ctl-1.17-1.47.el5.i386.rpm
mingetty-1.07-5.2.2.i386.rpm
minicom-2.1-3.i386.rpm
mkbootdisk-1.5.3-2.1.i386.rpm
mkinitrd-5.1.19.6-28.i386.rpm
mktemp-1.5-23.2.2.i386.rpm
mlocate-0.15-1.el5.i386.rpm
mod_perl-2.0.2-6.3.el5.i386.rpm
mod_ssl-2.2.3-11.el5_1.3.i386.rpm
module-init-tools-3.3-0.pre3.1.37.el5.i386.rpm
mozldap-6.0.5-1.el5.i386.rpm
mtools-3.9.10-2.fc6.i386.rpm
mtr-0.71-3.1.i386.rpm
nano-1.3.12-1.1.i386.rpm
nash-5.1.19.6-28.i386.rpm
nc-1.84-10.fc6.i386.rpm
ncurses-5.5-24.20060715.i386.rpm
ncurses-devel-5.5-24.20060715.i386.rpm
net-snmp-5.3.1-24.el5.i386.rpm
net-snmp-libs-5.3.1-24.el5.i386.rpm
net-tools-1.60-78.el5.i386.rpm
NetworkManager-0.6.4-8.el5.i386.rpm
newt-0.52.2-10.el5.i386.rpm
nfs-utils-1.0.9-33.el5.i386.rpm
nfs-utils-lib-1.0.8-7.2.z2.i386.rpm
notification-daemon-0.3.5-9.el5.i386.rpm

nscd-2.5-24.i386.rpm
nspr-4.7.0.99.2-1.el5.i386.rpm
nss-3.11.99.5-2.el5.i386.rpm
nss_db-2.2-35.3.i386.rpm
nss_ldap-253-12.el5.i386.rpm
nss-tools-3.11.99.5-2.el5.i386.rpm
ntp-4.2.2p1-8.el5.i386.rpm
ntsysv-1.3.30.1-2.i386.rpm
numactl-0.9.8-2.el5.i386.rpm
OpenIPMI-2.0.6-6.el5.i386.rpm
OpenIPMI-libs-2.0.6-6.el5.i386.rpm
openldap-2.3.27-8.el5_1.3.i386.rpm
openssh-4.3p2-26.el5.i386.rpm
openssh-clients-4.3p2-26.el5.i386.rpm
openssh-server-4.3p2-26.el5.i386.rpm
openssl-0.9.8b-10.el5.i386.rpm
ORBit2-2.14.3-4.el5.i386.rpm
pam-0.99.6.2-3.27.el5.i386.rpm
pam_ccreds-3-5.i386.rpm
pam_krb5-2.2.14-1.i386.rpm
pam_passwdqc-1.0.2-1.2.2.i386.rpm
pam_pkcs11-0.5.3-23.i386.rpm
pam_smb-1.1.7-7.2.1.i386.rpm
pango-1.14.9-3.el5.i386.rpm
pango-devel-1.14.9-3.el5.i386.rpm
paps-0.6.6-17.el5.i386.rpm
parted-1.8.1-17.el5.i386.rpm
passwd-0.73-1.i386.rpm
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libjpeg-6b-37.x86_64.rpm
libjpeg-devel-6b-37.i386.rpm
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libmng-devel-1.0.9-5.1.i386.rpm
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mailx-8.1.1-44.2.2.x86_64.rpm
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man-pages-2.39-10.el5.noarch.rpm
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mesa-libGL-6.5.1-7.5.el5.x86_64.rpm
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mkinitrd-5.1.19.6-28.x86_64.rpm
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nss-3.11.99.5-2.el5.x86_64.rpm
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numactl-0.9.8-2.el5.x86_64.rpm

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openssh-server-4.3p2-26.el5.x86_64.rpm
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redhat-release-notes-5Server-12.x86_64.rpm
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selinux-policy-targeted-2.4.6-137.el5.noarch.rpm
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sendmail-cf-8.13.8-2.el5.x86_64.rpm

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setserial-2.17-19.2.2.x86_64.rpm
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sg3_utils-libs-1.25-1.el5.x86_64.rpm
shadow-utils-4.0.17-13.el5.x86_64.rpm
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slang-2.0.6-4.el5.x86_64.rpm
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specspo-13-1.el5.noarch.rpm
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vconfig-1.9-2.1.x86_64.rpm
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vim-enhanced-7.0.109-3.el5.3.x86_64.rpm
vim-minimal-7.0.109-3.el5.3.x86_64.rpm
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which-2.16-7.x86_64.rpm
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wireless-tools-28-2.el5.x86_64.rpm
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words-3.0-9.noarch.rpm
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xorg-x11-proto-devel-7.1-9.fc6.x86_64.rpm
xorg-x11-xf86-1.0.2-4.x86_64.rpm
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yum-rhn-plugin-0.5.3-6.el5.noarch.rpm
yum-security-1.1.10-9.el5.noarch.rpm
yum-updatesd-0.9-2.el5.noarch.rpm
zip-2.31-1.2.2.x86_64.rpm
zlib-1.2.3-3.i386.rpm
zlib-1.2.3-3.x86_64.rpm
zlib-devel-1.2.3-3.i386.rpm
zlib-devel-1.2.3-3.x86_64.rpm

Kickstart Script Template

32-bit version

Use the following kickstart script template to install the Red Hat Enterprise Linux 5 platform on a 32-bit server.

This file is also available for download. Please contact Dialogic Technical Support for download information.

```
# Kickstart script template for installing a baseline Red Hat
# Enterprise Linux 5 platform for use as a SnowShore Media Server.
# Users must customize the script for system root password and
# the location of the Red Hat Linux packages.
#
# It is assumed that the user is familiar with Linux kickstart and
# has already created the required directory structure using the
# CD-ROMs. See section 2.5 of the "Red Hat Enterprise Linux Installation"
# guide for instructions on this step.
#
# SnowShore A1-G2 Media Server 3.1 Kickstart Configuration
# This version is for MS 3.1 RHEL5_U2 using packages on a Kickstart CDROM.
#
#System language
lang en_US
#Language modules to install
langsupport en_US
#System keyboard
keyboard us
#System mouse
mouse genericwheelps/2
#System timezone
timezone America/New_York
#Root password
rootpw --iscrypted $1$aWLyD2w/$NAzk22RGpVtPuQXbaWpPO/
#Reboot after installation
reboot
#Use text mode install
text
#Skip use of installation number
key --skip
#Install Red Hat Linux instead of upgrade
install
# Mount cdrom for installation
cdrom
#System bootloader configuration
bootloader --location=mbr --append "console=ttyS1,9600 console=tty0" --
    md5pass=$1$t5WeZAiB$rw6wvW8H651GLeHAsUHED.
#Clear the Master Boot Record
zerombr yes
#Partition clearing information
clearpart --all --initlabel
#Disk partitioning information
part /boot --fstype ext3 --size 101
part / --fstype ext3 --size 12000
```

```
part swap --size 1992
part /var --fstype ext3 --size 1 -grow
#System authorization information
auth --useshadow --enablemd5
#Network information
network --bootproto=dhcp --device=eth0
#network --bootproto=dhcp --device=eth1
#Firewall configuration
firewall --disabled
#Do not configure XWindows
skipx
#Disable security enhanced Linux features
selinux --disabled
#Configures YUM repository as a source for package install
#repo --name /mnt/cdrom/Server/repo/repodata/repomd.xml --baseurl
#
#Package install information
%packages
basesystem
acl
acpid
amtu
anacron
apmd
apr
apr-util
aspell
aspell-en
at
atk
atk-devel
attr
audit
audit-libs
audit-libs-python
authconfig
autofs
bash
bc
beecrypt
bind-libs
bind-utils
binutils
bluez-gnome
bluez-hcidump
bluez-libs
bluez-utils
bzip2
bzip2-libs
cairo
ccid
checkpolicy
chkconfig
chkfontpath
compat-libstdc++-296
compat-libstdc++-33
comps-extras
```

conman
coolkey
coreutils
cpio
cpp
cpuspeed
cracklib
cracklib-dicts
crash
crontabs
cryptsetup-luks
cups
cups-libs
curl
cyrus-sasl
cyrus-sasl-lib
cyrus-sasl-plain
db4
dbus
dbus-glib
dbus-python
Deployment_Guide-en-US
desktop-file-utils
device-mapper
device-mapper-multipath
dhcdbd
dhclient
dhcpv6_client
diffutils
distcache
dmidecode
dmraid
dos2unix
dosfstools
dump
e2fsprogs
e2fsprogs-libs
ed
eject
ElectricFence
elfutils
elfutils-libelf
elfutils-libelf-devel
emacs-common
emacs-leim
enscript
ethtool
expat
expect
fbset
file
filesystem
findutils
finger
firstboot-tui
fontconfig
fontconfig-devel

freetype
freetype-devel
ftp
gawk
gcc
GConf2
gd
gdb
gdbm
gettext
ghostscript
ghostscript-fonts
giflib
filib-utils
glib2
glib2-devel
glibc
glibc-common
glibc-devel
glibc-headers
gmp
gnome-python2-gconf
gnu-efi
gnupg
gnutls
gpm
grep
groff
grub
gtk2
gtk2-devel
gzip
hal
hdparm
hesiod
htmlview
httpd
hwdata
ifd-egate
ImageMagick
info
initscripts
iproute
ipsec-tools
iptables
iptables-ipv6
iptstate-1.4
iputils
irda-utils
irqbalance
isdn4k-utils
jpackage-utils
jwhois
kbd
kernel
kernel-devel
kernel-headers

kernal-PAE
kernel-PAE-devel
kexec-tools
keyutils-libs
kpartx
krb5-libs
krb5-workstation
ksh
kudzu
lcms
less
lftp
libacl
libaio
libattr
libcap
libdrm
liberation-fonts
libevent
libFS
libgcc
libgcrypt
libgpg-error
libgssapi
libhugetlbfs
libICE
libicu
libicu
libIDL
libidn
libjpeg
libjpeg-devel
libmng
libmng-devel
libnl
libnotify
libpcap
libpng
libpng-devel
libselinux
libselinux-python
libsemanage
libsepol
libSM
libsmi
libstdc++
libsysfs
libtermcap
libtermcap-devel
libtiff
libtool-ltdl
libusb
libuser
libutempter
libvolume_id
libwnck
libwvstreams

libX11
libXau
libXcursor
libXdmcpr
libXext
libXfixes
libXft
libXi
libXinerama
libxml2
libxml2-python
libXrandr
libXrender
libXres
libxslt
libXt
libXxf86vm
lm_sensors
lockdev
logrotate
logwatch
lrzsz
lsof
lvm2
lynx
m2crypto
m4
mailcap
mailx
make
MAKEDEV
man
man-pages
mcstrans
mdadm
mesa-libGL
microcode_ctl
mingetty
minicom
mkbootdisk
mkinitrd
mktemp
mlocate
mod_perl
mod_ssl
module-init-tools
mozldap
mtools
mtr
nano
nash
nc
ncurses
ncurses-devel
net-snmp
net-snmp-libs
net-tools

NetworkManager
newt
nfs-utils
nfs-utils-lib
notification-daemon
nscd
nspr
nss_db
nss_ldap
nss
nss-tools
ntp
ntsysv
numactl
OpenIPMI
OpenIPMI-libs
openldap
openssh
openssh-clients
openssh-server
openssl
ORBit2
pam_ccreds
pam_krb5
pam_passwdqc
pam_pkcs11
pam_smb
pam
pango
pango-devel
paps
parted
passwd
patch
pax
pciutils
pcmciautils
pcre
pcsc-lite
pcsc-lite-libs
perl
perl-String-CRC32
perl-URI
php
php-cli
php-common
php-pdo
php-pgsql
pinfo
pkgconfig
pkinit-nss
pm-utils
policycoreutils
popt
portmap
postgresql
postgresql-docs

postgresql-libs
postgresql-server
postgresql-contrib
postgresql-devel
postgresql-pl
sg3_utils
sg3_utils-libs
ppp
prelink
procmail
procps
psacct
psmisc
pygobject2
pyOpenSSL
python
python-elementtree
python-sqlite
python-urlgrabber
pyxf86config
PyXML
qt
quota
rdate
rdist
readahead
readline
readline-devel
redhat-logos
redhat-lsb
redhat-menus
redhat-release-5Server
redhat-release-notes-5Server
rhel-instnum
rhn-check
rhn-client-tools
rhnlib
rhnsd
rhn-setup
rhpl
rmt
rng-utils
rootfiles
rpm
rpm-libs
rpm-python
rp-pppoe
rsh
rsync
sed
selinux-policy
selinux-policy-targeted
sendmail
sendmail-cf
setarch
setools
setserial

setup
setuptools
shadow-utils
slang
smartmontools
sos
specspo
sqlite
squid
startup-notification
strace
stunnel
sudo
svrcore
symlinks
sysfsutils
sysklogd
syslinux
system-config-network-tui
system-config-securitylevel-tui
SysVinit
talk
tar
tcl
tcp_wrappers
tcpdump
tclsh
telnet
termcap
time
tmpwatch
traceroute
tree
ttmkfdir
tzdata
udev
unix2dos
unixODBC
unzip
urw-fonts
usbutils
usermode
util-linux
valgrind
vconfig
vim-common
vim-enhanced
vim-minimal
vixie-cron
vsftpd
wget
which
wireless-tools
wireshark
words
wpa_supplicant
wvdial

```

Xaw3d
xmlsec1
xorg-x11-filesystem
xorg-x11-fonts-ISO8859-1-75dpi
xorg-x11-proto-devel
xorg-x11-xfs
ypbind
yp-tools
yum
yum-metadata-parser
yum-rhn-plugin
yum-security
yum-updatesd
zip
zlib
zlib-devel
%post --nochroot
#!/bin/sh
# The newly installed system is mounted on /mnt/sysimage
CHROOT=/mnt/sysimage
#
# Install SnowShore A1-G2 Media Server packages
# Create temporary directories to mount the remote MS files and to
# un-tar them
echo "Started RHEL5_U2 Installation - " > /mnt/sysimage/tmp/snowshore_pkg_install.log
  2>&1
date >> /mnt/sysimage/tmp/snowshore_pkg_install.log 2>&1

#added the snow and snow_operator groups to the MS
cat /etc/group >/etc/group.tmp
echo snow:x:2001: >>/etc/group.tmp
echo snow_operator:x:2002: >>/etc/group.tmp
mv /etc/group.tmp /etc/group

mkdir -p /mnt/sysimage/tmp/ssinst > /mnt/sysimage/tmp/postinstall.log 2>&1
#mkdir -p /mnt/sysimage/tmp/sstemp >> /mnt/sysimage/tmp/postinstall.log 2>&1
mkdir -p /mnt/sysimage/tmp/install_1 >> /mnt/sysimage/tmp/postinstall.log 2>&1
#
# Mount the CDROM to perform the installation...
mount -t iso9660 -r /tmp/cdrom /mnt/sysimage/tmp/ssinst >>
  /mnt/sysimage/tmp/postinstall.log 2>&1

cp --preserve=timestamps /mnt/sysimage/tmp/ssinst/SnowShore/SNOWG2PKG*.tar.gz
  /mnt/sysimage/tmp/install_1 >> /mnt/sysimage/tmp/postinstall.log 2>&1
cp --preserve=timestamps /mnt/sysimage/tmp/ssinst/SnowShore/G2Check
  /mnt/sysimage/tmp/install_1 >> /mnt/sysimage/tmp/postinstall.log 2>&1
cp --preserve=timestamps /mnt/sysimage/tmp/ssinst/SnowShore/dump_license_node_id.sh
  /mnt/sysimage/tmp/install_1 >> /mnt/sysimage/tmp/postinstall.log 2>&1
cp --preserve=timestamps /mnt/sysimage/tmp/ssinst/SnowShore/ms_backup.sh
  /mnt/sysimage/tmp/install_1 >> /mnt/sysimage/tmp/postinstall.log 2>&1
cp --preserve=timestamps /mnt/sysimage/tmp/ssinst/SnowShore/ms_restore.sh
  /mnt/sysimage/tmp/install_1 >> /mnt/sysimage/tmp/postinstall.log 2>&1
cp --preserve=timestamps /mnt/sysimage/tmp/ssinst/config/pg_hba.conf
  /mnt/sysimage/usr/share/pgsql/pg_hba.conf.sample >> /mnt/sysimage/tmp/postinstall.log
  2>&1
#
# Uncompress SnowShore rpm tarball

```

```
cd /mnt/sysimage/tmp/install_1 >> /mnt/sysimage/tmp/postinstall.log 2>&1
tar -xzf SNOWG2PKG*.tar.gz >> /mnt/sysimage/tmp/postinstall.log 2>&1
umount /mnt/sysimage/tmp/ssinst >> /mnt/sysimage/tmp/postinstall.log 2>&1
rmdir /mnt/sysimage/tmp/ssinst >> /mnt/sysimage/tmp/postinstall.log 2>&1
#cd /
#
# Package installation must be performed in a chroot environment so rpm can verify
# dependencies and install successfully.
chroot $CHROOT /bin/rpm -ivh /tmp/install_1/SNOW*.rpm >>
  /mnt/sysimage/tmp/snowshore_pkg_install.log 2>&1
#
# Now that the SnowShore directory has been created copy over the G2Check & shell scripts.
mv -f /mnt/sysimage/tmp/install_1/G2Check /mnt/sysimage/opt/snowshore/bin >>
  /mnt/sysimage/tmp/postinstall.log 2>&1
mv -f /mnt/sysimage/tmp/install_1/dump_license_node_id.sh
  /mnt/sysimage/opt/snowshore/bin >> /mnt/sysimage/tmp/postinstall.log 2>&1
mv -f /mnt/sysimage/tmp/install_1/ms_backup.sh /mnt/sysimage/opt/snowshore/bin >>
  /mnt/sysimage/tmp/postinstall.log 2>&1
mv -f /mnt/sysimage/tmp/install_1/ms_restore.sh /mnt/sysimage/opt/snowshore/bin >>
  /mnt/sysimage/tmp/postinstall.log 2>&1
#
# Place SnowShore tarball in rpm directory so this version shows up in the web UI.
mv -f /mnt/sysimage/tmp/install_1/SNOWG2PKG*.tar.gz /mnt/sysimage/opt/snowshore/rpm >>
  /mnt/sysimage/tmp/postinstall.log 2>&1
#
# Remove sstemp directory and its contents
rm -rf /mnt/sysimage/tmp/install_1 >> /mnt/sysimage/tmp/postinstall.log 2>&1
#
# Remove unwanted daily cron jobs.
rm -f /mnt/sysimage/etc/cron.daily/00-logwatch >> /mnt/sysimage/tmp/postinstall.log 2>&1
rm -f /mnt/sysimage/etc/cron.daily/makewhatis.cron >> /mnt/sysimage/tmp/postinstall.log
  2>&1
rm -f /mnt/sysimage/etc/cron.daily/rpm >> /mnt/sysimage/tmp/postinstall.log 2>&1
rm -f /mnt/sysimage/etc/cron.daily/slocate.cron >> /mnt/sysimage/tmp/postinstall.log
  2>&1
rm -f /mnt/sysimage/etc/cron.daily/prelink >> /mnt/sysimage/tmp/postinstall.log 2>&1
rm -f /mnt/sysimage/etc/cron.daily/yum.cron >> /mnt/sysimage/tmp/postinstall.log 2>&1
#
# Remove unwanted weekly cron jobs
rm -f /mnt/sysimage/etc/cron.weekly/makewhatis.cron >>
  /mnt/sysimage/tmp/postinstall.log 2>&1
echo "Completed RHEL5_U2 Installation - " >> /mnt/sysimage/tmp/snowshore_pkg_install.log
  2>&1
date >> /mnt/sysimage/tmp/snowshore_pkg_install.log 2>&1
```

64-bit version

Use the following kickstart script template to install the Red Hat Enterprise Linux 5 platform on a 64-bit server.

This file is also available for download. Please contact Dialogic Technical Support for download information.

```
# Kickstart script template for installing a baseline Red Hat
# Enterprise Linux 5 platform for use as a SnowShore Media Server.
# Users must customize the script for system root password and
# the location of the Red Hat Linux packages.
#
# It is assumed that the user is familiar with Linux kickstart and
# has already created the required directory structure using the
# CD-ROMs. See section 2.5 of the "Red Hat Enterprise Linux Installation"
# guide for instructions on this step.
#
# SnowShore A1-G2 Media Server 3.1 Kickstart Configuration
# This version is for MS 3.1 RHEL5_U2 using packages on a Kickstart CDROM.
# 4/4/06
#System language
lang en_US
#Language modules to install
langsupport en_US
#System keyboard
keyboard us
#System mouse
mouse genericwheelps/2
#System timezone
timezone America/New_York
#Root password
rootpw --iscrypted $1$aWLyD2w/$NAzk22RGpVtPuQXbaWpPO/
#Reboot after installation
reboot
#Use text mode install
text
#Skip use of installation number
key --skip
#Install Red Hat Linux instead of upgrade
install
# Mount cdrom for installation
cdrom
#System bootloader configuration
bootloader --location=mbr --append "console=ttyS1,9600 console=tty0" --
    md5pass=$1$t5WeZAiB$rw6wvW8H651GLeHAsUHed.
#Clear the Master Boot Record
zerombr yes
#Partition clearing information
clearpart --all --initlabel
#Disk partitioning information
part /boot --fstype ext3 --size 101
part / --fstype ext3 --size 12000
part swap --size 1992
part /var --fstype ext3 --size 1 --grow
#System authorization information
```

```
auth --useshadow --enablemd5
#Network information
network --bootproto=dhcp --device=eth0
#network --bootproto=dhcp --device=eth1
#Firewall configuration
firewall --disabled
#Do not configure XWindows
skipx
#Disable security enhanced Linux features
selinux --disabled
#Configures YUM repository as a source for package install
#repo --name /mnt/cdrom/Server/repodata/repomd.xml --baseurl
#
#Package install information
%packages
basesystem
acl.x86_64
acpid.x86_64
amtu.x86_64
anacron.x86_64
apmd.i386
apr.i386
apr.x86_64
apr-util.i386
apr-util.x86_64
aspell.i386
aspell.x86_64
aspell-en.i386
aspell-en.x86_64
at.x86_64
atk.i386
atk.x86_64
atk-devel.i386
atk-devel.x86_64
attr.x86_64
audit.x86_64
audit-libs.i386
audit-libs.x86_64
audit-libs-python.x86_64
authconfig.x86_64
autofs.x86_64
bash.x86_64
bc.x86_64
beecrypt.i386
beecrypt.x86_64
bind-libs.x86_64
bind-utils.x86_64
binutils.x86_64
bluez-gnome.x86_64
bluez-hcidump.x86_64
bluez-libs.x86_64
bluez-utils.x86_64
bzip2.x86_64
bzip2-libs.i386
bzip2-libs.x86_64
cairo.x86_64
ccid.x86_64
```

checkpolicy.x86_64
chkconfig.x86_64
chkfontpath.x86_64
compat-libstdc++-296.i386
compat-libstdc++-33.i386
compat-libstdc++-33.x86_64
comps-extras
conman.x86_64
coolkey.i386
coolkey.x86_64
coreutils.x86_64
cpio.x86_64
cpp.x86_64
cpuspeed.x86_64
cracklib.i386
cracklib.x86_64
cracklib-dicts.x86_64
crash.x86_64
crontabs
cryptsetup-luks.i386
cryptsetup-luks.x86_64
cups.x86_64
cups-libs.i386
cups-libs.x86_64
curl.i386
curl.x86_64
cyrus-sasl.x86_64
cyrus-sasl-lib.i386
cyrus-sasl-lib.x86_64
cyrus-sasl-plain.i386
cyrus-sasl-plain.x86_64
db4.i386
db4.x86_64
dbus.i386
dbus.x86_64
dbus-glib.i386
dbus-glib.x86_64
dbus-python.x86_64
Deployment_Guide-en-US
desktop-file-utils.x86_64
device-mapper.i386
device-mapper.x86_64
device-mapper-multipath.x86_64
dhcdbd.x86_64
dhclient.x86_64
dhcpv6-client.x86_64
diffutils.x86_64
distcache.i386
distcache.x86_64
dmidecode.x86_64
dmraid.x86_64
dos2unix.x86_64
dosfstools.x86_64
dump.x86_64
e2fsprogs.x86_64
e2fsprogs-libs.i386
e2fsprogs-libs.x86_64

ed.x86_64
eject.x86_64
ElectricFence.i386
elfutils.x86_64
elfutils-libelf.i386
elfutils-libelf.x86_64
elfutils-libelf-devel.x86_64
emacs-common.x86_64
emacs-leim.x86_64
enscript.x86_64
ethtool.x86_64
expat.i386
expat.x86_64
expect.x86_64
fbset.x86_64
file.x86_64
filesystem.x86_64
findutils.x86_64
finger.x86_64
firstboot-tui
fontconfig.i386
fontconfig.x86_64
fontconfig-devel.x86_64
freetype.i386
freetype.x86_64
freetype-devel.i386
freetype-devel.x86_64
ftp.x86_64
gawk.x86_64
gcc.x86_64
GConf2.i386
GConf2.x86_64
gd.i386
gd.x86_64
gdb.x86_64
gdbm.i386
gdbm.x86_64
gettext.i386
gettext.x86_64
ghostscript.i386
ghostscript.x86_64
ghostscript-fonts
giflib.i386
giflib.x86_64
giflib-utils.x86_64
glib2.i386
glib2.x86_64
glib2-devel.i386
glib2-devel.x86_64
glibc.i686
glibc.x86_64
glibc-common.x86_64
glibc-devel.i386
glibc-devel.x86_64
glibc-headers.x86_64
gmp.i386
gmp.x86_64

gnome-python2-gconf.x86_64
gnu-efi.i386
gnupg.x86_64
gnutls.x86_64
gpm.i386
gpm.x86_64
grep.x86_64
groff.x86_64
grub.x86_64
gtk2.i386
gtk2.x86_64
gtk2-devel.i386
gtk2-devel.x86_64
gzip.x86_64
hal.i386
hal.x86_64
hdparm.x86_64
hesiod.i386
hesiod.x86_64
htmlview
httpd.x86_64
hwdata
ifd-egate.x86_64
ImageMagick.i386
ImageMagick.x86_64
info.x86_64
initscripts.x86_64
iproute.x86_64
ipsec-tools.x86_64
iptables.x86_64
iptables-ipv6.x86_64
iptstate-1.4
iputils.x86_64
irda-utils.x86_64
irqbalance.x86_64
isdn4k-utils.x86_64
jpackage-utils
jwhois.x86_64
kbd.x86_64
kernel.x86_64
kernel-devel.x86_64
kernel-headers.x86_64
kexec-tools.x86_64
keyutils-libs.i386
keyutils-libs.x86_64
kpartx.x86_64
krb5-libs.i386
krb5-libs.x86_64
krb5-workstation.x86_64
ksh.x86_64
kudzu.x86_64
lcms.i386
lcms.x86_64
less.x86_64
lftp.x86_64
libacl.i386
libacl.x86_64

libaio.x86_64
libattr.i386
libattr.x86_64
libcap.i386
libcap.x86_64
libdrm.i386
libdrm.x86_64
liberation-fonts
libevent.x86_64
libFS.x86_64
libgcc.i386
libgcc.x86_64
libgcrypt.i386
libgcrypt.x86_64
libgpg-error.i386
libgpg-error.x86_64
libgssapi.x86_64
libhugetlbfs.i386
libhugetlbfs.x86_64
libICE.i386
libICE.x86_64
libIDL.i386
libIDL.x86_64
libicu.i386
libicu.x86_64
libicu-devel.x86_64
libidn.i386
libidn.x86_64
libjpeg.i386
libjpeg.x86_64
libjpeg-devel.i386
libjpeg-devel.x86_64
libmng.i386
libmng.x86_64
libmng-devel.i386
libmng-devel.x86_64
libnl.x86_64
libnotify.x86_64
libpcap.x86_64
libpng.i386
libpng.x86_64
libpng-devel.i386
libpng-devel.x86_64
libselinux.i386
libselinux.x86_64
libselinux-python.x86_64
libsemanage.x86_64
libsepol.i386
libsepol.x86_64
libSM.i386
libSM.x86_64
libsmi.x86_64
libstdc++.i386
libstdc++.x86_64
libsysfs.i386
libtermcap.i386
libtermcap.x86_64

libtermcap-devel.i386
libtermcap-devel.x86_64
libtiff.i386
libtiff.x86_64
libtool-ltdl.x86_64
libusb.i386
libusb.x86_64
libuser.i386
libuser.x86_64
libutempter.i386
libutempter.x86_64
libvolume_id.i386
libvolume_id.x86_64
libwnck.i386
libwnck.x86_64
libwvstreams.x86_64
libX11.i386
libX11.x86_64
libXau.i386
libXau.x86_64
libXcursor.i386
libXcursor.x86_64
libXdmp.i386
libXdmp.x86_64
libXext.i386
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libXfixes.i386
libXfixes.x86_64
libXft.i386
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libXfont.i386
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libXi.i386
libXi.x86_64
libXinerama.i386
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libXrandr.i386
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libXrender.i386
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nfs-utils-lib.x86_64
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nss_db.x86_64
nss_ldap.i386
nss_ldap.x86_64
ntp.x86_64
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OpenIPMI.x86_64
OpenIPMI-libs.x86_64
openldap.x86_64
openssh.x86_64
openssh-clients.x86_64
openssh-server.x86_64
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openssl.x86_64
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pam_ccreds.i386
pam_ccreds.x86_64
pam_krb5.i386
pam_krb5.x86_64
pam_passwdqc.i386
pam_passwdqc.x86_64
pam_pkcs11.i386
pam_pkcs11.x86_64
pam_smb.i386
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pkinit-nss.x86_64
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postgresql-docs.x86_64
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procps.x86_64
psacct.x86_64
psmisc.x86_64
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python-sqlite.x86_64
python-urlgrabber
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rdate.x86_64
rdist.x86_64
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readline-devel.i386
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redhat-logos
redhat-lsb.i386
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redhat-menus
redhat-release-5Server
redhat-release-notes-5Server
rhel-instnum
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rhn-client-tools
rhnlib
rhn-setup
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rhpl.x86_64
rmt.x86_64
rng-utils.x86_64
rootfiles
rp-pppoe.x86_64
rpm.x86_64
rpm-libs.i386
rpm-libs.x86_64
rpm-python.x86_64
rsh.x86_64
rsync.x86_64
sed.x86_64
selinux-policy
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sendmail.x86_64
sendmail-cf.x86_64
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setuptools.x86_64
sg3_utils.x86_64
sg3_utils-libs.x86_64
shadow-utils.x86_64
slang.i386
slang.x86_64
smartmontools.x86_64
sos
specspo
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sqlite.x86_64
squid.x86_64
startup-notification.i386
startup-notification.x86_64
strace.x86_64
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sudo.x86_64
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symlinks.x86_64
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sysklogd.x86_64
syslinux.x86_64
system-config-network-tui
system-config-securitylevel-tui.x86_64
SysVinit.x86_64
talk.x86_64
tar.x86_64
tcl.x86_64
tcp_wrappers.i386
tcp_wrappers.x86_64
tcpdump.x86_64
tcsh.x86_64
telnet.x86_64
termcap
time.x86_64
tmpwatch.x86_64
traceroute.x86_64
tree.x86_64
ttmkfdir.x86_64
tzdata
udev.x86_64
unix2dos.x86_64
unixODBC.x86_64
unzip.x86_64
urw-fonts
usbutils.x86_64
usermode.x86_64
util-linux.x86_64
valgrind.i386
valgrind.x86_64

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vconfig.x86_64
vim-common.x86_64
vim-enhanced.x86_64
vim-minimal.x86_64
vixie-cron.x86_64
vsftpd.x86_64
wget.x86_64
which.x86_64
wireless-tools.i386
wireless-tools.x86_64
wireshark.x86_64
words
wpa_supPLICANT.x86_64
wvdial.x86_64
Xaw3d.i386
Xaw3d.x86_64
xmlsec1.i386
xmlsec1.x86_64
xorg-x11-fileSystem
xorg-x11-font-utils.x86_64
xorg-x11-fonts-ISO8859-1-75dpi
xorg-x11-PROTO-devel.x86_64
xorg-x11-xfs.x86_64
ypbind.x86_64
yp-tools.x86_64
yum
yum-metadata-parser.x86_64
yum-rhn-plugin
yum-security
yum-updatesd
zip.x86_64
zlib.i386
zlib.x86_64
zlib-devel.i386
zlib-devel.x86_64
%post --noChroot
#!/bin/sh
# The newly installed system is mounted on /mnt/sysimage
CHROOT=/mnt/sysimage

#/sbin/mkfs.reiserfs -f -f /dev/sda1
#/sbin/mkfs.reiserfs -f -f /dev/sda3
## reiserfs kernel module does NOT have to be installed during kickstart
#sed --in-place "s/ext3/reiserfs/" /etc/fstab

#
# Install SnowShore A1-G2 Media Server packages
# Create temporary directories to mount the remote MS files and to
# un-tar them
echo "Started RHEL5_U2 Installation - " > /mnt/sysimage/tmp/snowshore_pkg_install.log
2>&1
date >> /mnt/sysimage/tmp/snowshore_pkg_install.log 2>&1

#added the snow and snow_operator groups to the MS
cat /etc/group >/etc/group.tmp
echo snow:x:2001: >>/etc/group.tmp
echo snow_operator:x:2002: >>/etc/group.tmp
```

```

mv /etc/group.tmp /etc/group

mkdir -p /mnt/sysimage/tmp/ssinst > /mnt/sysimage/tmp/postinstall.log 2>&1
#mkdir -p /mnt/sysimage/tmp/sstemp >> /mnt/sysimage/tmp/postinstall.log 2>&1
mkdir -p /mnt/sysimage/tmp/install_1 >> /mnt/sysimage/tmp/postinstall.log 2>&1
#
# Mount the CDROM to perform the installation...
mount -t iso9660 -r /tmp/cdrom /mnt/sysimage/tmp/ssinst >>
    /mnt/sysimage/tmp/postinstall.log 2>&1

cp --preserve=timestamps /mnt/sysimage/tmp/ssinst/SnowShore/SNOWG2PKG*.tar.gz
    /mnt/sysimage/tmp/install_1 >> /mnt/sysimage/tmp/postinstall.log 2>&1
cp --preserve=timestamps /mnt/sysimage/tmp/ssinst/SnowShore/G2Check
    /mnt/sysimage/tmp/install_1 >> /mnt/sysimage/tmp/postinstall.log 2>&1
cp --preserve=timestamps /mnt/sysimage/tmp/ssinst/SnowShore/dump_license_node_id.sh
    /mnt/sysimage/tmp/install_1 >> /mnt/sysimage/tmp/postinstall.log 2>&1
cp --preserve=timestamps /mnt/sysimage/tmp/ssinst/SnowShore/ms_backup.sh
    /mnt/sysimage/tmp/install_1 >> /mnt/sysimage/tmp/postinstall.log 2>&1
cp --preserve=timestamps /mnt/sysimage/tmp/ssinst/SnowShore/ms_restore.sh
    /mnt/sysimage/tmp/install_1 >> /mnt/sysimage/tmp/postinstall.log 2>&1
cp --preserve=timestamps /mnt/sysimage/tmp/ssinst/config/pg_hba.conf
    /mnt/sysimage/usr/share/pgsql/pg_hba.conf.sample >> /mnt/sysimage/tmp/postinstall.log
    2>&1
#
# Uncompress SnowShore rpm tarball
cd /mnt/sysimage/tmp/install_1 >> /mnt/sysimage/tmp/postinstall.log 2>&1
tar -xzf SNOWG2PKG*.tar.gz >> /mnt/sysimage/tmp/postinstall.log 2>&1
umount /mnt/sysimage/tmp/ssinst >> /mnt/sysimage/tmp/postinstall.log 2>&1
rmdir /mnt/sysimage/tmp/ssinst >> /mnt/sysimage/tmp/postinstall.log 2>&1
#cd /
#
# Package installation must be performed in a chroot environment so rpm can verify
# dependencies and install successfully.
chroot $CHROOT /bin/rpm -ivh /tmp/install_1/SNOWG2SYS*.rpm >>
    /mnt/sysimage/tmp/snowshore_pkg_install.log 2>&1
chroot $CHROOT /bin/rpm -ivh --nodeps /tmp/install_1/SNOWG2MS*.rpm >>
    /mnt/sysimage/tmp/snowshore_pkg_install.log 2>&1
chroot $CHROOT /bin/rpm -ivh --nodeps /tmp/install_1/SNOWG2MPS*.rpm >>
    /mnt/sysimage/tmp/snowshore_pkg_install.log 2>&1
chroot $CHROOT /bin/rpm -ivh --nodeps /tmp/install_1/SNOWG2MSGUI*.rpm >>
    /mnt/sysimage/tmp/snowshore_pkg_install.log 2>&1
#chroot $CHROOT /bin/rpm -ivh --nodeps /tmp/install_1/SNOWG2SR140GUI*.rpm >>
    /mnt/sysimage/tmp/snowshore_pkg_install.log 2>&1
#chroot $CHROOT /bin/rpm -ivh --nodeps /tmp/install_1/SNOWG2SR140*.rpm >>
    /mnt/sysimage/tmp/snowshore_pkg_install.log 2>&1
chroot $CHROOT /bin/rpm -ivh --nodeps /tmp/install_1/SNOWG2CLI*.rpm >>
    /mnt/sysimage/tmp/snowshore_pkg_install.log 2>&1
#chroot $CHROOT /tmp/install_1/ms_install >>
    /mnt/sysimage/tmp/snowshore_pkg_install.log 2>&1
#
#added the pw user to the MS
#cat /etc/passwd >/etc/passwd.tmp
#echo "pw:x:501:2001::/home/pw:/bin/bash" >>/etc/passwd.tmp
#mv -f /etc/passwd.tmp /etc/passwd
#chroot $CHROOT /usr/sbin/adduser pw >> /mnt/sysimage/tmp/snowshore_pkg_install.log 2>&1
#
# Now that the SnowShore directory has been created copy over the G2Check & shell scripts.

```

```
mv -f /mnt/sysimage/tmp/install_1/G2Check /mnt/sysimage/opt/snowshore/bin >>
  /mnt/sysimage/tmp/postinstall.log 2>&1
mv -f /mnt/sysimage/tmp/install_1/dump_license_node_id.sh
  /mnt/sysimage/opt/snowshore/bin >> /mnt/sysimage/tmp/postinstall.log 2>&1
mv -f /mnt/sysimage/tmp/install_1/ms_backup.sh /mnt/sysimage/opt/snowshore/bin >>
  /mnt/sysimage/tmp/postinstall.log 2>&1
mv -f /mnt/sysimage/tmp/install_1/ms_restore.sh /mnt/sysimage/opt/snowshore/bin >>
  /mnt/sysimage/tmp/postinstall.log 2>&1
#
# Place SnowShore tarball in rpm directory so this version shows up in the web UI.
mv -f /mnt/sysimage/tmp/install_1/SNOWG2PKG*.tar.gz /mnt/sysimage/opt/snowshore/rpm >>
  /mnt/sysimage/tmp/postinstall.log 2>&1
#
# Remove sstemp directory and its contents
rm -rf /mnt/sysimage/tmp/install_1 >> /mnt/sysimage/tmp/postinstall.log 2>&1
#
# Remove unwanted daily cron jobs.
rm -f /mnt/sysimage/etc/cron.daily/00-logwatch >> /mnt/sysimage/tmp/postinstall.log 2>&1
rm -f /mnt/sysimage/etc/cron.daily/makewhatis.cron >> /mnt/sysimage/tmp/postinstall.log
  2>&1
rm -f /mnt/sysimage/etc/cron.daily/rpm >> /mnt/sysimage/tmp/postinstall.log 2>&1
rm -f /mnt/sysimage/etc/cron.daily/slocate.cron >> /mnt/sysimage/tmp/postinstall.log
  2>&1
rm -f /mnt/sysimage/etc/cron.daily/prelink >> /mnt/sysimage/tmp/postinstall.log 2>&1
rm -f /mnt/sysimage/etc/cron.daily/yum.cron >> /mnt/sysimage/tmp/postinstall.log 2>&1
#
# Remove unwanted weekly cron jobs
rm -f /mnt/sysimage/etc/cron.weekly/makewhatis.cron >>
  /mnt/sysimage/tmp/postinstall.log 2>&1
echo "Completed RHEL5_U2 Installation - " >> /mnt/sysimage/tmp/snowshore_pkg_install.log
  2>&1
date >> /mnt/sysimage/tmp/snowshore_pkg_install.log 2>&1
```