Dialogic® PowerMedia™ IP Media Server

Release 3.0.0

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 3.0.0. 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® IP Media Server Release 3.0.0

Release 3.0.0 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 platforms have been qualified with IP Media Server Release 3.0.0:

◆ Dell 1950 Dual Quad-Core Rack Mount Server

◆ Intel Server Chassis TIGW1U with Intel Server Board S5000PHB

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® 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 22) 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 3.0.0 operation.

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

patch-2.5.4-29.2.2.i386.rpm

pax-3.4-1.2.2.i386.rpm

pciutils-2.2.3-5.i386.rpm

pcmciautils-014-5.i386.rpm

pcre-6.6-2.el5_1.7.i386.rpm

pcsc-lite-1.4.4-0.1.el5.i386.rpm

pcsc-lite-libs-1.4.4-0.1.el5.i386.rpm

perl-5.8.8-10.el5_0.2.i386.rpm

perl-String-CRC32-1.4-2.fc6.i386.rpm

perl-URI-1.35-3.noarch.rpm

php-5.1.6-20.el5.i386.rpm

php-cli-5.1.6-20.el5.i386.rpm

php-common-5.1.6-20.el5.i386.rpm

php-pdo-5.1.6-20.el5.i386.rpm

php-pgsql-5.1.6-20.el5.i386.rpm

pinfo-0.6.9-1.fc6.i386.rpm

pkgconfig-0.21-2.el5.i386.rpm

pkinit-nss-0.7.3-1.el5.i386.rpm

pm-utils-0.99.3-6.el5.19.i386.rpm

policycoreutils-1.33.12-14.el5.i386.rpm

popt-1.10.2-48.el5.i386.rpm

portmap-4.0-65.2.2.1.i386.rpm

postgresql-8.1.11-1.el5_1.1.i386.rpm

postgresql-docs-8.1.11-1.el5_1.1.i386.rpm

postgresql-libs-8.1.11-1.el5_1.1.i386.rpm

postgresql-server-8.1.11-1.el5_1.1.i386.rpm

ppp-2.4.4-1.el5.i386.rpm

prelink-0.3.9-2.1.i386.rpm

procmail-3.22-17.1.i386.rpm

procps-3.2.7-9.el5.i386.rpm

psacct-6.3.2-41.1.i386.rpm

psmisc-22.2-6.i386.rpm

pygobject2-2.12.1-5.el5.i386.rpm

pyOpenSSL-0.6-1.p24.7.2.2.i386.rpm

python-2.4.3-21.el5.i386.rpm

python-elementtree-1.2.6-5.i386.rpm

python-sqlite-1.1.7-1.2.1.i386.rpm

python-urlgrabber-3.1.0-2.noarch.rpm

pyxf86config-0.3.31-2.fc6.i386.rpm

PyXML-0.8.4-4.i386.rpm

qt-3.3.6-23.el5.i386.rpm

quota-3.13-1.2.3.2.el5.i386.rpm

rdate-1.4-6.i386.rpm

rdist-6.1.5-44.i386.rpm

readahead-1.3-7.el5.i386.rpm

readline-5.1-1.1.i386.rpm

readline-devel-5.1-1.1.i386.rpm

redhat-logos-4.9.16-1.noarch.rpm

redhat-lsb-3.1-12.3.EL.i386.rpm

redhat-menus-6.7.8-2.el5.noarch.rpm

redhat-release-5Server-5.2.0.4.i386.rpm

redhat-release-notes-5Server-12.i386.rpm

rhel-instnum-1.0.8-1.el5.noarch.rpm

rhn-check-0.4.17-8.el5.noarch.rpm

rhn-client-tools-0.4.17-8.el5.noarch.rpm

rhnlib-2.2.5-1.el5.noarch.rpm

rhnsd-4.6.1-1.el5.i386.rpm

rhn-setup-0.4.17-8.el5.noarch.rpm

rhpl-0.194.1-1.i386.rpm

rmt-0.4b41-2.fc6.i386.rpm

rng-utils-2.0-1.14.1.fc6.i386.rpm

rootfiles-8.1-1.1.1.noarch.rpm

rpm-4.4.2-48.el5.i386.rpm

rpm-libs-4.4.2-48.el5.i386.rpm

rpm-python-4.4.2-48.el5.i386.rpm

rp-pppoe-3.5-32.1.i386.rpm

rsh-0.17-38.el5.i386.rpm

rsync-2.6.8-3.1.i386.rpm

sed-4.1.5-5.fc6.i386.rpm

selinux-policy-2.4.6-137.el5.noarch.rpm

selinux-policy-targeted-2.4.6-137.el5.noarch.rpm

sendmail-8.13.8-2.el5.i386.rpm

sendmail-cf-8.13.8-2.el5.i386.rpm

setarch-2.0-1.1.i386.rpm

setools-3.0-3.el5.i386.rpm

setserial-2.17-19.2.2.i386.rpm

setup-2.5.58-1.el5.noarch.rpm

setuptool-1.19.2-1.i386.rpm

shadow-utils-4.0.17-13.el5.i386.rpm

slang-2.0.6-4.el5.i386.rpm

smartmontools-5.36-4.el5.i386.rpm

sos-1.7-9.2.el5.noarch.rpm

specspo-13-1.el5.noarch.rpm

sqlite-3.3.6-2.i386.rpm

squid-2.6.STABLE6-5.el5_1.3.i386.rpm

startup-notification-0.8-4.1.i386.rpm

strace-4.5.16-1.el5.1.i386.rpm

stunnel-4.15-2.i386.rpm

sudo-1.6.8p12-12.el5.i386.rpm

svrcore-4.0.4-3.el5.i386.rpm

symlinks-1.2-24.2.2.i386.rpm

sysfsutils-2.0.0-6.i386.rpm

sysklogd-1.4.1-44.el5.i386.rpm

syslinux-3.11-4.i386.rpm

system-config-network-tui-1.3.99.10-2.el5.noarch.rpm

system-config-securitylevel-tui-1.6.29.1-2.1.el5.i386.rpm

SysVinit-2.86-14.i386.rpm

talk-0.17-29.2.2.i386.rpm

tar-1.15.1-23.0.1.el5.i386.rpm

tcl-8.4.13-3.fc6.i386.rpm

tcpdump-3.9.4-12.el5.i386.rpm

tcp_wrappers-7.6-40.4.el5.i386.rpm

tcsh-6.14-12.el5.i386.rpm

telnet-0.17-39.el5.i386.rpm

termcap-5.5-1.20060701.1.noarch.rpm

time-1.7-27.2.2.i386.rpm

tmpwatch-2.9.7-1.1.el5.1.i386.rpm

traceroute-2.0.1-3.el5.i386.rpm

tree-1.5.0-4.i386.rpm

ttmkfdir-3.0.9-23.el5.i386.rpm

tzdata-2007k-2.el5.noarch.rpm

udev-095-14.16.el5.i386.rpm

unix2dos-2.2-26.2.2.i386.rpm

unixODBC-2.2.11-7.1.i386.rpm

unzip-5.52-2.2.1.i386.rpm

urw-fonts-2.3-6.1.1.noarch.rpm

usbutils-0.71-2.1.i386.rpm

usermode-1.88-3.el5.1.i386.rpm

util-linux-2.13-0.47.el5.i386.rpm

valgrind-3.2.1-6.el5.i386.rpm

vconfig-1.9-2.1.i386.rpm

vim-common-7.0.109-3.el5.3.i386.rpm

vim-enhanced-7.0.109-3.el5.3.i386.rpm

vim-minimal-7.0.109-3.el5.3.i386.rpm

vixie-cron-4.1-72.el5.i386.rpm

vsftpd-2.0.5-12.el5.i386.rpm

wget-1.10.2-7.el5.i386.rpm

which-2.16-7.i386.rpm

wireless-tools-28-2.el5.i386.rpm

wireshark-0.99.7-1.el5.i386.rpm

words-3.0-9.noarch.rpm

wpa_supplicant-0.4.8-10.2.el5.i386.rpm

wvdial-1.54.0-5.2.2.1.i386.rpm

Xaw3d-1.5E-10.1.i386.rpm

xmlsec1-1.2.9-8.1.i386.rpm

xorg-x11-filesystem-7.1-2.fc6.noarch.rpm

xorg-x11-fonts-ISO8859-1-75dpi-7.1-2.1.el5.noarch.rpm

xorg-x11-font-utils-7.1-2.i386.rpm

xorg-x11-proto-devel-7.1-9.fc6.i386.rpm

xorg-x11-xfs-1.0.2-4.i386.rpm

ypbind-1.19-8.el5.i386.rpm

yp-tools-2.9-0.1.i386.rpm

yum-3.2.8-9.el5.noarch.rpm

yum-metadata-parser-1.1.2-2.el5.i386.rpm

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.i386.rpm

zlib-1.2.3-3.i386.rpm

zlib-devel-1.2.3-3.i386.rpm

Kickstart Script Template

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 2.5 Kickstart Configuration
# This version is for MS 2.5 RHEL5_U1 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
#Sytem 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 swap --size 1992
part / --fstype ext3 --size 1 --grow
#System authorization infomation
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
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
libXdmcp
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
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
setuptool
shadow-utils
slang
smartmontools
sos
specspo
sqlite
squid
startup-notification
strace
```

```
stunnel
sudo
svrcore
symlinks
sysfsutils
syslogd
syslinux
system-config-network-tui
system-config-securitylevel-tui
SysVinit
talk
tar
tcl
tcp_wrappers
tcpdump
tcsh
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_U1 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_U1 Installation - " >> /mnt/sysimage/tmp/snowshore_pkg_install.log
    2>&1
date >> /mnt/sysimage/tmp/snowshore_pkg_install.log 2>&1
```