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【转】 如何制作Fedora Live CD并集成自己喜欢的软件和工具

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| I just went through the process of creating an up to date spin, adding several packages (media players, encfs, sshfs). Since I had trouble finding a step-by-step, I thought I'd share mine. Hopefully it will save someone a little time.  As root, perform the following:  • If necessary, install revisor:  **yum -y install revisor**  • **vi /etc/revisor/conf.d/revisor-f12-x86\_64.conf** and add the rpmfusion repositories:  Code:  [rpmfusion-free] enabled = 1 protect = False name = RPM Fusion free for Fedora gpgkey = baseurl = http://download1.rpmfusion.org/free/fedora/releases/12/Everything/x86\_64/os/ includepkgs = exclude = gpgcheck = False  [rpmfusion-nonfree] enabled = 1 protect = False name = RPM Fusion nonfree for Fedora gpgkey = baseurl = http://download1.rpmfusion.org/nonfree/fedora/releases/12/Everything/x86\_64/os/ includepkgs = gpgcheck = False exclude =  You probably also want to set 'enabled=1' in the '[updates]' section.  • **vi /root/thumbdrive.kickstart** to create the package list. This is the package list I used; feel free to add or remove as you see fit:  Code:  %packages @ Administration Tools @ Base @ Editors @ Fonts @ GNOME Desktop Environment @ Graphical Internet @ Graphics @ Hardware Support @ Printing Support @ Sound and Video @ System Tools @ Window Managers @ X Window System a52dec anaconda audacity-freeworld faac faad2 faad2-libs ffmpeg ffmpeg2dirac ffmpeg2theora ffmpeg-libs freetype-freeworld fuse-libs fuse fuse-sshfs fuse-encfs gnome-mplayer gnome-mplayer-common gstreamer-ffmpeg gstreamer-plugins-bad gstreamer-plugins-ugly kdenlive lame lame-libs libdca libdvbpsi libmad libmimic libmms libmpeg2 libmpeg3 libquicktime live555 mjpegtools mjpegtools-libs mp3gain mpeg2dec mpg321 rpmfusion-free-release rpmfusion-nonfree-release smpeg smpeg-devel smpeg-libs transcode twolame-libs unace unrar vlc vlc-core xine-lib-extras-freeworld xvidcore y4mscaler %end  As an alternative to the above, you can create a package list from the current running system with:  Code:  echo 'part / --size 8000' > /root/thumbdrive.kickstart echo '%packages' >> /root/thumbdrive.kickstart /usr/bin/yum -C --color=never list installed | \  /usr/bin/awk '{print $1}' | \  /bin/grep -v -E "^[0-9]\*[.:]" | \  /bin/grep -v "^\@" | \  /bin/sed -e 's/\.noarch$//;s/\.x86\_64$//;s/\.i[3456]86$//' | \  /bin/sort -u >> /root/thumbdrive.kickstart echo '%end' >> /root/thumbdrive.kickstart  • Run revisor:  **revisor --cli --config=/etc/revisor/revisor.conf --model=f12-x86\_64 \ --kickstart=/root/thumbdrive.kickstart --respin \ --live-usb-thumb --live-shell**  When you get the shell prompt, you are chrooted to the image. You can now continue.  • Add the default user. This user will be automatically logged in when booting:  **adduser liveuser**   • **vi /etc/shadow** and add a passwd to root and liveuser (replace the first '\*' or "!!"). For no password, for example, use the following hash:   $1$4932$/KWKQijq1SMqbxqzjs5Bn0  You can generate a password hash with the command (just hit enter at the password prompt for no password):  openssl passwd -1 -salt $RANDOM  • If you have software RAID arrays, you can create a configuration file to make using them easier. For example: **vi /etc/mdadm.conf** and add:  Code:  DEVICE partitions ARRAY /dev/md0 metadata=0.90 DEVICES=/dev/sda1,/dev/sdb1 ARRAY /dev/md1 metadata=0.90 DEVICES=/dev/sda2,/dev/sdb2 MAILADDR root  • **vi /etc/yum.conf** to allow running yum from the image:  Code:  [main] cachedir=/var/cache/yum keepcache=0 debuglevel=2 logfile=/var/log/yum.log exactarch=1 obsoletes=1 gpgcheck=1 plugins=1 installonly\_limit=3 skip\_broken=1 color=always #exclude=  • disable unneeded services:  **chkconfig atd off chkconfig crond off chkconfig firstboot off chkconfig iscsi off chkconfig iscsid off chkconfig netfs off chkconfig nfslock off chkconfig pcscd off chkconfig portreserve off chkconfig rpcbind off chkconfig rpcgssd off chkconfig rpcidmapd off chkconfig rsyslog off chkconfig sendmail off chkconfig sshd off echo "RUN\_FIRSTBOOT=NO" > /etc/sysconfig/firstboot**  • **vi /etc/gdm/custom.conf** to autologin the liveuser by adding:  Code:  [daemon] AutomaticLoginEnable=true AutomaticLogin=liveuser  • **vi /etc/inittab** and make sure the last line is as follows, to boot into X:  id:5:initdefault:  • **exit** to continue the creation process  When the process is done, you can test the image by booting it virtually. For example:  **qemu-kvm -m 1024 -smp 2 -net nic -net user -hda /srv/revisor/f12-x86\_64/live/Fedora-12-Live-x86\_64.iso**   If it looks good, you can put it on a thumbdrive with the dd command. For this example, the thumbdrive is on /dev/sde   **ALL DATA WILL BE DESTROYED ON THE THE DEVICE SPECIFIED - MAKE SURE IT'S CORRECT**  **dd if=/srv/revisor/f12-x86\_64/live/Fedora-12-Live-x86\_64.iso of=/dev/sde** |