create custom debian buster live

24/11/2019   paranoids   Computer

download your favourite iso

http://cdimage.debian.org/cdimage/unofficial/non-free/cd-including-firmware/

```
wget http://cdimage.debian.org/cdimage/unofficial/non-free/cd-including-firmware/
10.2.0-live+nonfree/amd64/iso-hybrid/debian-live-10.2.0-amd64-standard+nonfree.is
o
```

mount iso

```
mount -o loop debian-live-10.2.0-amd64-standard+nonfree.iso /mnt/
```

copy to local workdir

```
mkdir -p debian-live-custom/workdir

cp -av /mnt/live/filesystem.squashfs debian-live-custom/
```

unpack squashfs

```
cd debian-live-custom/workdir

unsquashfs ../filesystem.squashfs
```

mount binds

```
mount --bind /dev squashfs-root/dev

mount --bind /sys squashfs-root/sys

mount --bind /proc squashfs-root/proc
```

chroot

```
chroot squashfs-root

export PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin
```

install packages

```
nano /etc/apt/sources.list

echo "nameserver 8.8.8.8" > /etc/resolv.conf

apt update

dpkg-reconfigure locales

apt install --no-install-recommends vim screen rsync bwm-ng iotop iftop mdadm gdd
rescue memtester stress openssh-server netrw tcpdump console-data quota ntfs-3g c
hntpw smbclient testdisk cryptsetup

systemctl disable mdadm

dpkg-reconfigure keyboard-configuration

dpkg-reconfigure console-setup

apt-get clean
```

sed config files

```
sed -i /etc/ssh/sshd_config -e s/#PermitRootLogin\ prohibit-password/PermitRootLo
gin\ yes/

sed -i /etc/ssh/sshd_config -e s/#PasswordAuthentication\ yes/PasswordAuthenticat
ion\ yes/

sed -i /etc/vim/vimrc -e s/\"syntax\ on/syntax\ on/

sed -i /root/.bashrc -e s/\#\ export\ LS_OPTIONS=\'--color=auto\'/export\ LS_OPTI
ONS=\'--color=auto\'/

sed -i /root/.bashrc -e s/\#\ eval\ \"\`dircolors\`\"/eval\ \"\`dircolors\`\"/

sed -i /root/.bashrc -e s/\#\ alias\ ls=\'ls\ \$LS_OPTIONS\'/alias\ ls=\'ls\ \$LS
_OPTIONS\'/

sed -i /root/.bashrc -e s/\#\ alias\ ll=\'ls\ \$LS_OPTIONS\ -l\'/alias\ ll=\'ls\
 \$LS_OPTIONS\ -l\'/

sed -i /root/.bashrc -e s/\#\ alias\ l=\'ls\ \$LS_OPTIONS\ -lA\'/alias\ l=\'ls\
 \$LS_OPTIONS\ -lA\'/
```

set root password

```
passwd

exit

umount squashfs-root/dev
umount squashfs-root/sys
umount squashfs-root/proc
```

create squashfs

```
mksquashfs squashfs-root/ filesystem.squashfs -comp xz
```

prepare live iso

copy to local workdir

```
mkdir debian-live-iso-custom

cp -av /mnt/* debian-live-iso-custom/

cp -av /mnt/.disk debian-live-iso-custom/

cd debian-live-iso-custom
```

edit disk info corresponding to xorriso -V option

```
vim .disk/info

Debian 10.1 amd64 custom nonfree
```

copy custom squashfs

```
cp ../filesystem.squashfs live/filesystem.squashfs
```

create iso

```
xorriso -as mkisofs -V 'Debian 10.1 amd64 custom nonfree' -o ../debian-live-10.1-
custom-amd64-nonfree.iso -J -J -joliet-long -cache-inodes -isohybrid-mbr /usr/li
b/syslinux/bios/isohdpfx.bin -b isolinux/isolinux.bin -c isolinux/boot.cat -boot-
load-size 4 -boot-info-table -no-emul-boot -eltorito-alt-boot -e boot/grub/efi.im
g -no-emul-boot -isohybrid-gpt-basdat -isohybrid-apm-hfsplus .
```