**Isuru customizing\_ORGINAL**

**#install requirements**

sudo apt-get install squashfs-tools genisoimage chroot

**#create new working directory**

cd ~

mkdir livecdtmp

**# copying the iso file to the working directory**

cp Desktop/edubuntu-10.04-dvd-i386.iso livecdtmp/

cd livecdtmp

**#mount the iso image**

mkdir mnt

sudo mount -o loop edubuntu-10.04-dvd-i386.iso mnt/

**#extract iso contents**

mkdir extract-cd

rsync --exclude=/casper/filesystem.squashfs -a mnt/ extract-cd

**#Extract the SquashFS filesystem**

sudo unsquashfs mnt/casper/filesystem.squashfs

sudo mv squashfs-root edit

 **#if this provide an error use this way**

mkdir squash

mkdir edit

sudo modprobe squashfs

sudo mount -t squashfs -o loop mnt/casper/filesystem.squashfs

sudo cp -a squashfs/\* edit/

**#making network available for live image**

sudo cp /etc/resolv.conf edit/etc/

**#copying needed files**

sudo cp /etc/hosts edit/etc/

**#chroot**

sudo mount --bind /dev/ edit/dev

sudo chroot edit

mount -t proc none /proc

mount -t sysfs none /sys

mount -t devpts none /dev/pts

export HOME=/root

export LC\_ALL=C

**#copy archive files you have to the live image**

open a terminal and run command

gksu nautilus /home/username/livecdtmp/edit

 copy archive folder to /home/

nano /etc/apt/sourcers.list

 add this line to end of file

deb file:///home/archives/ ./

 save and exit from nano

apt-get update

**# install all needed softwares as this**

apt-get install gimp

**# To add custom backgrounds, copy background files to this location**

/usr/share/backgrounds

**#check user id**

awk -F: '$3 > 999' /etc/passwd

**#If you get any hits, try changing the uid:**

usermod -u 500 $hit

**#cleanup**

aptitude clean

rm -rf /tmp/\* ~/.bash\_history

rm /etc/hosts

rm /etc/resolv.conf

rm /var/lib/dbus/machine-id

rm /sbin/initctl

dpkg-divert --rename --remove /sbin/initctl

**#to exit chroot**

umount /proc || umount -lf /proc

umount /sys

umount /dev/pts

exit

sudo umount edit/dev

**#if "umount /proc" command fails, "umount -lf /proc" will be used to retry automatically.**

**#Change the plymouth theme**

mkdir init-tmp

cd init-tmp/

lzma -dc -S .lz ../extract-cd/casper/initrd.lz | cpio -id

**#open folder and do editing**

find . | cpio --quiet --dereference -o -H newc | lzma -7 > ~/new-initrd.lz

**#assembling the file system**

chmod +w extract-cd/casper/filesystem.manifest

sudo chroot edit dpkg-query -W --showformat='${Package} ${Version}\n' > extract-cd/casper/filesystem.manifest

sudo cp extract-cd/casper/filesystem.manifest extract-cd/casper/filesystem.manifest-desktop

**#Compress filesystem**

sudo rm extract-cd/casper/filesystem.squashfs

sudo mksquashfs edit extract-cd/casper/filesystem.squashfs

**#Update the filesystem.size file, which is needed by the installer:**

printf $(sudo du -sx --block-size=1 edit | cut -f1) > extract-cd/casper/filesystem.size

**#Set an image name in extract-cd/README.diskdefines**

sudo nano extract-cd/README.diskdefines

**#Remove old md5sum.txt and calculate new md5 sums**

cd extract-cd

sudo rm md5sum.txt

find -type f -print0 | sudo xargs -0 md5sum | grep -v isolinux/boot.cat | sudo tee md5sum.txt

**#Create the ISO image**

sudo mkisofs -D -r -V "$IMAGE\_NAME" -cache-inodes -J -l -b isolinux/isolinux.bin -c isolinux/boot.cat -no-emul-boot -boot-load-size 4 -boot-info-table -o ../isurulinux-11.10-desktop-amd64.iso .

qemu -cdrom ubuntu-9.04.1-desktop-i386-custom.iso -boot d -m 512

END