

# Upgrade System to new Debian version

## Create installation disk

Download ISO image from [<https://www.debian.org/distrib/netinst>]. Find out the name of the USB drive using the lsblk tool. On most Linux distributions the USB flash drive will be automatically mounted when inserted. Unmount the USB partitions first.

```
# lsblk
# umount /dev/sdx1
# dd bs=4M if=/path/to/debian-XX.X.X-amd64-netinst.iso of=/dev/sdx
status=progress oflag=sync
```

## Backup Current Root File System

To collect config files, etc.

```
rsync -aAXz --verbose --itemize-changes --times --recursive --whole-file --
delete --links --exclude dev/* --exclude proc/* --exclude sys/* --exclude
tmp/* --exclude run/* --exclude mnt/* --exclude media/* --exclude lost+found
--exclude var/lib/lxcfs/cgroup/* --exclude var/lib/lxcfs/proc/* /
/media/oscar/Sandisk8GB
```

## Configure SSD optimizations

[Linux SSD Optimization](#)

## Check for Boot and Kernel errors

```
journalctl
```

## Create tmpfiles.d entries

While creating tmpfs tmp and var directories some subdirectories will not be present after a reboot. Some daemons (e.g. anacron) will fail to start, due to this. To prevent this create entries into /etc/tmpfiles.d:

```
nano /etc/tmpfiles.d/anacron.conf

#Type Path                               Mode UID  GID  Age Argument
```

```
d /var/spool/anacron 774 0 0 - -
```

Reload the config with:

```
systemd-tmpfiles --create
```

## Add user to sudoers

Add user to the sudo group and allow run mount without password being asked [linux:system:sudoers](#)

## Bluetooth

[Bluetooth setup](#)

## Install Applications

```
apt-get install gimp
apt-get install gparted
kicad
lightDM GTK+ greeter settings
```

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