

# CHANGES TO RASPBERRY PI VERSION 3 SETUP TO REDUCE WRITE DAMAGE TO MICRO SD CHIPS

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Adding ramdisk support:

/etc/fstab should look like this:

```
proc      /proc      proc defaults    0    0
/dev/mmcblk0p6 /boot      vfat defaults,noatime 0    2
/dev/mmcblk0p7 /          ext4  defaults,noatime 0    1
tmpfs /var/tmp2 tmpfs size=20M,nodev,nosuid 0 0
# a swapfile is not a swap partition, no line here
# use dphys-swapfile swap[on|off] for that
```

CHANGING LOGGING:

make these changes to /etc/rsyslog.conf

```
#####
#### RULES ####
#####
```

```
#
# First some standard log files.  Log by facility.
# GLG: - in front of file name disables immediate sync for that file
# GLG: Several of these have been commented out and replaced with
# GLG  entries that log to a ram-based file
#
```

```
#auth,authpriv.* /var/log/auth.log
#*.*;auth,authpriv.none -/var/log/syslog
#cron.* -/var/log/cron.log
#daemon.* -/var/log/daemon.log
kern.* -/var/log/kern.log
lpr.* -/var/log/lpr.log
mail.* -/var/log/mail.log
#user.* -/var/log/user.log
```

```
##### CHANGES TO LOG TO TMPFS based ram files to protect SD Drive #####
auth,authpriv.*      /var/tmp2/auth.log
```

```
*.*;auth,authpriv.none    /var/tmp2/syslog
cron.*                    /var/tmp2/cron.log
daemon.*                  /var/tmp2/daemon.log
user.*                    /var/tmp2/user.log
*.=info;*.=notice;*.=warn;\
    auth,authpriv.none;\
    cron.daemon.none;\
    mail.news.none        /var/tmp2/messages
#####END OF LOG CHANGES#####
```