# 【init.d超级脚本】512M内存机型超级调整SuperTweak优化脚本

**8月14日更新脚本代码，添加部分网络调整项目，改进opt内存管理模式，改进Compcache（压缩缓存）管理为全自动模式，压缩缓存大小=25%\*总物理内存  
  
我一直在强调，自启管理这东西是我推荐的一个很重要的科普优化项目（不要拿国产的优化软件来跟这比，自启管理足够称得上是专业神器），不然不会专门内置，如果不会搭配使用的话，我无法保证你会有足够好的体验。可能自启管理那东西并不傻瓜，但是教程和说明我已经写的非常清楚了，**[**http://bbs.gfan.com/android-3561567-1-1.html**](http://jump.bdimg.com/safecheck/index?url=x+Z5mMbGPAsWuxmTy2Rtni/U1IPhu5SS0VsxHbELrYl3PEgO7DUBIubWFHh/kXeY0cYymkvTRlhX2X5JFlHfpJeswbgUQK3I5cLKJxJDD4kYR9TPxi+1xMvesMrrsp3eM0ffjd+BW5B4EGwlqGjQ4nY9qHh6BM0y)**最后再啰嗦一次，自启管理的基本原理知识是玩安卓入门与不入门的一个准确的分水岭，如果你不肯用心学一些有用的知识，还在抱着只会精简系统，只会杀进程那种方式来玩安卓的话，那么我很不幸的告诉你，你都不算入门。  
  
  
首先呢，需要系统支持init.d脚本挂载，官方系统一般都需要修改boot.img来实现，CM和MIUI等第三方系统本身就直接支持。最新更新的系统可以有更多的玩法，经过我的不断调试最终完善。脚本包含的功能有：内存管理机制优化调整，网络优化调整，虚拟机管理和内核参数调整，挂载和SD卡速度优化调整，省电优化调整，IO调度调整。源码借鉴自国外XDA大名鼎鼎的zeppelinrox的最新版Supercharger v6脚本（相信有一定玩机水平的对这个肯定不陌生，不知道的可以搜索一下相关信息，不过Supercharger脚本使用比较繁琐而且据我仔细研究部分调整代码是不适合一些机型用的，现在全都OK了），大量内核参数调整，更省电稳定，重新分配OOM Killer，更好的内存管理机制，默认模式为性能平衡模式，adj警戒值0,3,6,10,12,15，minfree阀值2048,3072,10240,12288,14080,16128（即8M,12M,40M,48M,55M,63M)。桌面启动器驻留内存，提高前台，后台等重要进程的优先级，一些程序总是莫名其妙的被系统自动杀掉的问题得到解决。另外推荐一款软件AutoKiller Memory Optimizer，可以优化内存并实时查看进程和服务的OOM值，我给OOM Killer（LMK）默认分配的内存如下：前台程序警戒值0，阀值2048=8M，可见程序警戒值3，阀值3072=12M，次要服务警戒值6，阀值10240=40M，后台程序警戒值9，阀值12288=55M，空程序警戒值15，阀值16128=63M  
  
此脚本有一定的DIY可玩性，而且制作ROM的时候置入更简单功能更多，完全可以抛弃Supercharger了。我预置了4种内存管理模式可切换，从此不再受系统束缚，如果你不喜欢我强制的多任务模式的内存管理机制，也可以自己改成自动模式或者其他模式。也就是意味着从现在开始你可以自己掌控内存管理机制了，而不再受制于系统本身。方法是打开RE管理器挂载为读写，进入system目录，然后进入etc目录内的init.d文件夹，打开编辑90SuperTweak脚本，将LMKMODE="on"下方的LMKVAL="str"中的str改为auto或者其他模式，文件修改完以后保存，要注意文件权限是不是跟之前的一样（之前权限默认RWX R-X R-X）。然后重启、开机即可自动切换。当然也可以改为其他模式，预置的一共有auto, opt, str, aggr，4种模式，auto是自动模式，opt是性能平衡模式，str是最佳多任务处理模式，aggr是激进模式，脚本内的其他数值请勿随意修改。有没有生效的查看方法是重启以后打开RE管理器，进入cache目录，打开tweaklog文件查看，Lowmemorykiller mode is:XXX（XXX代表你修改的模式名称），另外关于此次改进的全自动zipalign优化，也是有Log日志可以方便查看的，打开RE管理器，进入data目录，打开zipalign.log即可查看，脚本会自动根据zipalign.db数据库自动略过已优化过的apk，自动zipalign新安装的apk。关于zipalign优化的具体意义自行搜索。  
  
SuperTweak脚本： http://bbs.gfan.com/static/image/filetype/rar.gif 90SuperTweak.rar (3.02 KB) 2012-8-14 23:39 上传点击文件名下载附件   
下载积分: G币 -1   
下载地址：**[**http://pan.baidu.com/share/link?shareid=135394&uk=2886182335**](http://jump.bdimg.com/safecheck/index?url=x+Z5mMbGPAvVIlwZePSt0B3tEqEFWbC4kYEIagYmMtZBzFm1If7AwAcI/1AcUHLq4A150yGJblYHyGtPLT/A1UWe0jZJ1o2ofwALdQVfeo0/+fWYRV5puIh0LllkX9aZmFBLN5oNWxdVWtkCIA9U0K2uQQ3UQqP1Rsi79fHfRGcN0JW7pjPTVTA8Zu4mdgY0)

**全自动zipalign脚本： http://bbs.gfan.com/static/image/filetype/rar.gif Zipalign.rar (11.04 KB) 2012-10-7 16:49 上传点击文件名下载附件   
下载积分: G币 -1**下载地址：[http://pan.baidu.com/share/link?shareid=135396&uk=2886182335](http://jump.bdimg.com/safecheck/index?url=x+Z5mMbGPAvVIlwZePSt0B3tEqEFWbC4kYEIagYmMtZBzFm1If7AwAcI/1AcUHLq4A150yGJblaK09kcPhmUt0We0jZJ1o2ofwALdQVfeo0/+fWYRV5puIh0LllkX9aZmFBLN5oNWxdVWtkCIA9U0K2uQQ3UQqP1Rsi79fHfRGcN0JW7pjPTVTA8Zu4mdgY0)  
**循环顺滑调整脚本： http://bbs.gfan.com/static/image/filetype/rar.gif Loopy.rar (1.22 KB) 2012-6-24 23:54 上传点击文件名下载附件   
下载积分: G币 -1**下载地址：[http://pan.baidu.com/share/link?shareid=135397&uk=2886182335](http://jump.bdimg.com/safecheck/index?url=x+Z5mMbGPAvVIlwZePSt0B3tEqEFWbC4kYEIagYmMtZBzFm1If7AwAcI/1AcUHLq4A150yGJblbVxUOtPX76WEWe0jZJ1o2ofwALdQVfeo0/+fWYRV5puIh0LllkX9aZmFBLN5oNWxdVWtkCIA9U0K2uQQ3UQqP1Rsi79fHfRGcN0JW7pjPTVTA8Zu4mdgY0)

**使用此init.d脚本的同时，需要在build.prop内任意位置写入以下代码，给不同的服务和进程分配警戒值和阀值，同时让桌面启动器驻留内存：  
  
# OOM MEM  
ro.FOREGROUND\_APP\_MEM=2048  
ro.VISIBLE\_APP\_MEM=3072  
ro.PERCEPTIBLE\_APP\_MEM=1024  
ro.HEAVY\_WEIGHT\_APP\_MEM=10240  
ro.SECONDARY\_SERVER\_MEM=10240  
ro.BACKUP\_APP\_MEM=12288  
ro.HOME\_APP\_MEM=1024  
ro.HIDDEN\_APP\_MEM=12288  
ro.EMPTY\_APP\_MEM=16128  
# OOM ADJ  
ro.FOREGROUND\_APP\_ADJ=0  
ro.VISIBLE\_APP\_ADJ=3  
ro.PERCEPTIBLE\_APP\_ADJ=2  
ro.HEAVY\_WEIGHT\_APP\_ADJ=4  
ro.SECONDARY\_SERVER\_ADJ=6  
ro.BACKUP\_APP\_ADJ=7  
ro.HOME\_APP\_ADJ=1  
ro.HIDDEN\_APP\_MIN\_ADJ=9  
ro.EMPTY\_APP\_ADJ=15**

**512M内存机型通用超级调整SuperTweak脚本开源代码，各ROMer置入的时候按需调整各项数据，暂时不细讲各项数值的具体含义了，有时间再作具体说明：**  
  
  
#!/system/bin/sh #Super Tweak init script ################################################  
#You can change the specified parameters below #  
################################################  
#script mode:  
#Values: on, off  
#If this set to off the script will dont do any changes,  
#but it will read the current values and log to /cache/tweaklog.txt  
#It is handy if you want to compare the original and the tweaked values.  
#tweaklog.txt overwrited when the script is running again!  
SMODE="on" #########################  
#Low Memory Killer mode #  
#########################  
#LMK Values are: auto, opt, str, aggr  
#auto: manage lowmemorykiller parameter automatically, depending on the total RAM  
#opt: optimum values 2048,3072,10240,12288,14080,16128 (Recommended for the most)  
#str: strict values 2048,3584,10240,12800,15360,19200 (Best for heavy multitasking)  
#aggr: aggressive values 2048,3584,14080,17920,21760,25600 (Your phone will handle this without problem)  
LMKMODE="on"  
LMKVAL="opt" #################  
#Network Tweaks #  
#################  
#Values are: on, off  
NETTWEAKS="on" ##################################  
#VM Management and kernel tweaks #  
##################################  
#Compcache option pre-requiered that the kernel support the zram devices.   
#You can adjust the compcache/swap zram device size and cache clear interval time.  
#Values are: on, off  
VMTWEAKS="on"  
COMPCACHE="on"  
#Static size in MB or 'auto' for auto management  
CS\_SIZE="auto"  
#Compcache ratio is only applyed if the CS\_SIZE set to auto. Value in percent.  
CS\_RATIO="25"  
#Interval in hour  
INTERVAL="3" ######################  
#Mount Option Tweaks #  
######################  
#Mount tweak remount all partition with noatime, nodiratime option and fine tune some IO parameters  
#You can adjust the default IO scheduler too.  
#CM7 default scheduler is the bfq scheduler.  
#Its a good compromise between the old anticipatory and the cfq scheduler  
#however cfq scheduler provide the better performance  
#Values are: on, off  
#Scheduler values are: noop, deadline, cfq, bfq, sio  
MTWEAKS="on"  
SCHEDULER="cfq" ################################  
#Parameters settings end here! #  
################################  
etweak()  
{  
if [[ "${SMODE}" == "on" ]]; then  
if [ -e $1 ]; then  
echo "Original: $1 = "`cat $1` >> /cache/tweaklog.txt  
echo "$2" > $1  
echo -e "Tweaked: $1 = "`cat $1`"\n" >> /cache/tweaklog.txt  
fi  
elif [ -e $1 ]; then  
echo "Original: $1 = "`cat $1` >> /cache/tweaklog.txt  
fi  
} etweak\_nc()  
{  
if [[ "${SMODE}" == "on" ]]; then  
echo "Original: $1 = "`cat $1` >> /cache/tweaklog.txt  
echo "$2" > $1  
echo -e "Tweaked: $1 = "`cat $1`"\n" >> /cache/tweaklog.txt  
else  
echo "Original: $1 = "`cat $1` >> /cache/tweaklog.txt  
fi  
} #########################################  
#Basic Memory Management and LMK Tweaks #  
#########################################  
TOTALMEM=`free | grep Mem | awk 'BEGIN { FS = " " } ; { print $2 }'` basic\_mem\_tweaks()  
{  
#Strict minfree handler tweak  
etweak /sys/module/lowmemorykiller/parameters/adj 0,3,6,10,12,15  
lmk()  
{  
if [[ "${LMKVAL}" == "$1" ]]; then  
echo "Lowmemorykiller mode is: $LMKVAL" >> /cache/tweaklog.txt  
etweak /sys/module/lowmemorykiller/parameters/minfree $2  
fi  
} #lowmemorykiller auto management  
if [[ "${LMKVAL}" == "auto" ]]; then   
echo "Using lowmemorykiller auto management mode..." >> /cache/tweaklog.txt  
if [ "$TOTALMEM" -gt "470000" ]; then  
LMKVAL="opt"  
elif [ "$TOTALMEM" -gt "440000" ]; then  
LMKVAL="str"  
elif [ "$TOTALMEM" -gt "410000" ]; then  
LMKVAL="aggr"  
fi  
fi  
#Define minfree   
lmk opt 2048,3072,10240,12288,14080,16128  
lmk str 2048,3584,10240,12800,15360,19200  
lmk aggr 2048,3584,14080,17920,21760,25600  
} #################  
#Network Tweaks #  
#################  
network\_tweaks()  
{etweak\_nc /proc/sys/net/ipv4/tcp\_timestamps 0  
etweak\_nc /proc/sys/net/ipv4/tcp\_no\_metrics\_save 1  
etweak\_nc /proc/sys/net/ipv4/tcp\_tw\_reuse 1  
etweak\_nc /proc/sys/net/ipv4/tcp\_sack 1  
etweak\_nc /proc/sys/net/ipv4/tcp\_window\_scaling 0  
etweak\_nc /proc/sys/net/ipv4/tcp\_keepalive\_time 1200  
etweak\_nc /proc/sys/net/ipv4/tcp\_keepalive\_probes 5  
etweak\_nc /proc/sys/net/ipv4/tcp\_keepalive\_intvl 30  
etweak\_nc /proc/sys/net/ipv4/tcp\_fin\_timeout 15  
etweak\_nc /proc/sys/net/ipv4/tcp\_max\_tw\_buckets 360000  
etweak\_nc /proc/sys/net/ipv4/tcp\_moderate\_rcvbuf 1  
etweak\_nc /proc/sys/net/ipv4/tcp\_reordering 5  
etweak\_nc /proc/sys/net/ipv4/tcp\_slow\_start\_after\_idle 0  
etweak\_nc /proc/sys/net/ipv4/tcp\_syn\_retries 3  
etweak\_nc /proc/sys/net/ipv4/tcp\_synack\_retries 2  
etweak\_nc /proc/sys/net/ipv4/tcp\_tw\_recycle 1  
etweak\_nc /proc/sys/net/ipv4/tcp\_rmem 6144,87380,524288  
etweak\_nc /proc/sys/net/ipv4/tcp\_wmem 6144,87380,524288  
etweak\_nc /proc/sys/net/ipv4/conf/all/accept\_redirects 0  
etweak\_nc /proc/sys/net/ipv4/conf/default/accept\_redirects 0  
etweak\_nc /proc/sys/net/ipv4/route.flush 1   
etweak\_nc /proc/sys/net/core/wmem\_default 65535  
etweak\_nc /proc/sys/net/core/wmem\_max 524288  
etweak\_nc /proc/sys/net/core/rmem\_default 65535  
etweak\_nc /proc/sys/net/core/rmem\_max 524288  
etweak\_nc /proc/sys/net/core/netdev\_max\_backlog 262144  
etweak\_nc /proc/sys/net/core/somaxconn 262144  
} ############  
#VM Tweaks #  
############  
vm\_tweaks()  
{  
#Disable normalized sleeper  
mount -t debugfs none /sys/kernel/debug  
echo NO\_NORMALIZED\_SLEEPER > /sys/kernel/debug/sched\_features  
#Force Enable CPU second core  
chmod 666 /sys/devices/system/cpu/cpu1/online  
etweak /sys/devices/system/cpu/cpu1/online 1  
chmod 444 /sys/devices/system/cpu/cpu1/online  
#Memory management  
etweak /proc/sys/vm/oom\_kill\_allocating\_task 0  
etweak /proc/sys/vm/panic\_on\_oom 0  
etweak /proc/sys/vm/laptop\_mode 0  
etweak /proc/sys/vm/swappiness 20  
etweak /proc/sys/vm/dirty\_background\_ratio 60  
etweak /proc/sys/vm/dirty\_ratio 95  
etweak /proc/sys/vm/min\_free\_kbytes 8192  
etweak /proc/sys/vm/vfs\_cache\_pressure 10  
etweak /proc/sys/vm/overcommit\_memory 1  
etweak /proc/sys/vm/page-cluster 3  
etweak /proc/sys/vm/min\_free\_order\_shift 4  
etweak /proc/sys/vm/dirty\_writeback\_centisecs 2000  
etweak /proc/sys/vm/dirty\_expire\_centisecs 1000  
etweak /proc/sys/fs/lease-break-time 45  
etweak\_nc /proc/sys/kernel/hung\_task\_timeout\_secs 30  
etweak\_nc /proc/sys/kernel/panic 30  
etweak\_nc /proc/sys/kernel/panic\_on\_oops 1  
etweak\_nc /proc/sys/kernel/sched\_compat\_yield 1

etweak\_nc /proc/sys/kernel/sched\_child\_runs\_first 0  
etweak\_nc /proc/sys/kernel/sched\_features 24189  
etweak\_nc /proc/sys/kernel/sched\_latency\_ns 18000000  
etweak\_nc /proc/sys/kernel/sched\_min\_granularity\_ns 1500000  
etweak\_nc /proc/sys/kernel/sched\_wakeup\_granularity\_ns 3000000  
etweak\_nc /proc/sys/kernel/sched\_shares\_ratelimit 256000  
etweak\_nc /proc/sys/kernel/threads-max 5000  
} ccache()  
{  
#Compcache management  
ccache\_proc()  
{  
echo 1 > /sys/block/zram0/reset  
setprop persist.compcache.user 1  
setprop persist.service.compcache 1  
sync; sysctl -w vm.drop\_caches=3 > /dev/null  
echo $(($1\*1024\*1024)) > /sys/block/zram0/disksize  
mkswap /dev/block/zram0 > /dev/nul  
swapon /dev/block/zram0  
#Cron job for periodically cache drop  
mkdir -p /data/cron  
echo "\* \*/$INTERVAL \* \* \* sync; sysctl -w vm.drop\_caches=3" > /data/cron/root  
/system/xbin/crond -b -l 0 -c /data/cron -L /data/cron/cron.log  
}  
if [[ "${CS\_SIZE}" == "auto" ]]; then  
CS\_SIZE=$(($TOTALMEM\*$CS\_RATIO/102400))  
echo "Using compcache auto management mode..." >> /cache/tweaklog.txt  
echo "Compcache ratio is $CS\_RATIO%" >> /cache/tweaklog.txt  
echo "Total memory is $(($TOTALMEM/1024))MB" >> /cache/tweaklog.txt  
echo "Used compcache size is $(($CS\_SIZE))MB" >> /cache/tweaklog.txt  
ccache\_proc $CS\_SIZE  
else  
echo "Compcache in static mode size is $CS\_SIZEMB" >> /cache/tweaklog.txt  
ccache\_proc $CS\_SIZE  
fi  
} ######################  
#Mount Option Tweaks #  
###################### mount\_tweaks()  
{  
# Remount with noatime and nodiratime  
busybox mount -o remount,noatime,nodiratime,commit=180,noauto\_da\_alloc /system  
busybox mount -o remount,noatime,nodiratime,commit=180,noauto\_da\_alloc /data  
busybox mount -o remount,noatime,nodiratime,commit=180,noauto\_da\_alloc /cache   
m0()  
{  
etweak /sys/block/$1/queue/rotational 0  
etweak /sys/block/$1/queue/optimal\_io\_size 1024  
etweak /sys/block/$1/queue/read\_ahead\_kb 2048  
etweak /sys/block/$1/queue/iostats 0  
etweak /sys/block/$1/queue/iosched/fifo\_batch 1  
etweak /sys/block/$1/queue/iosched/group\_isolation 1  
etweak /sys/block/$1/queue/iosched/quantum 4  
etweak /sys/block/$1/queue/iosched/low\_latency 1  
etweak /sys/block/$1/queue/iosched/slice\_idle 5  
etweak /sys/block/$1/queue/iosched/back\_seek\_penalty 1  
etweak /sys/block/$1/queue/iosched/back\_seek\_max 1000000000  
etweak /sys/block/$1/queue/nr\_requests 128  
etweak /sys/block/$1/queue/scheduler $SCHEDULER  
}  
m0 mmcblk0 && m0 mmcblk1  
etweak /sys/devices/virtual/bdi/179:0/read\_ahead\_kb 2048  
} ######################  
#Procedures end here #  
###################### if [ -f /cache/tweaklog.txt ]; then  
rm -rf /cache/tweaklog.txt  
fi  
touch /cache/tweaklog.txt  
echo "#################################" >> /cache/tweaklog.txt  
echo "## Super tweak script log file ##" >> /cache/tweaklog.txt  
echo "#################################" >> /cache/tweaklog.txt  
echo -e "##Kernel version: "`uname -r`"\n" >> /cache/tweaklog.txt sysctl -p /etc/sysctl.conf  
if [[ "${LMKMODE}" == "on" ]]; then  
basic\_mem\_tweaks  
fi  
if [[ "${NETTWEAKS}" == "on" ]]; then  
network\_tweaks  
fi  
if [[ "${VMTWEAKS}" == "on" ]]; then  
vm\_tweaks  
fi  
if [[ "${COMPCACHE}" == "on" ]]; then  
ccache  
fi  
if [[ "${MTWEAKS}" == "on" ]]; then  
mount\_tweaks  
fi  
if [ -e /dev/log/main ]; then  
rm /dev/log/main  
fi exit 1

**建议同时搭配此改进版的循环顺滑调整脚本使用，自行定义不同程序的进程优先级，开源代码：  
#!/system/bin/sh** **for n in 1 2  
do** **NUMBER\_OF\_CHECKS=0 # Total number of rechecks before ending 1st loop  
SLEEP\_TIME=0 # Number of seconds between rechecking processes  
PROCESSES\_TOTAL=14 # Must be edited to match the number of processes to be checked  
DEBUG\_ECHO=0 # Debug on/off** **CHECK\_COUNT=0 # Don't edit  
P\_CHECK=0 # Don't edit  
CHECK\_OK=0 # Unused** **PROCESS\_1=0; PROCESS\_2=0; PROCESS\_3=0; PROCESS\_4=0; PROCESS\_5=0; PROCESS\_6=0;  
PROCESS\_7=0; PROCESS\_8=0; PROCESS\_9=0; PROCESS\_10=0; PROCESS\_11=0; PROCESS\_12=0;  
PROCESS\_13=0; PROCESS\_14=0;** **if [ $n -eq "1" ]; then  
if [ $DEBUG\_ECHO -eq "1" ]; then  
echo ""  
echo "LST Debug: $(date)"  
echo "LST Debug: Initiate"  
fi;** **# Pause and then loop until kswapd0 is found, which should be instant anyway  
sleep 1  
SWAP\_SLEEP\_TIME=3; SWAP\_NUMBER\_OF\_CHECKS=30; SWAP\_CHECK\_COUNT=0; SWAP\_CHECK\_COUNT\_OK=0; while [ $SWAP\_CHECK\_COUNT -lt $SWAP\_NUMBER\_OF\_CHECKS ]; do if [ `pidof kswapd0` ]; then renice 19 `pidof kswapd0`; SWAP\_CHECK\_COUNT=$SWAP\_NUMBER\_OF\_CHECKS; SWAP\_CHECK\_COUNT\_OK=1; else sleep $SWAP\_SLEEP\_TIME; fi; SWAP\_CHECK\_COUNT=`expr $SWAP\_CHECK\_COUNT + 1`; done; if [ $SWAP\_CHECK\_COUNT\_OK -lt 1 ]; then echo "LST Debug: 'kswapd0' expired after `expr $SWAP\_CHECK\_COUNT \\* $SWAP\_SLEEP\_TIME` seconds"; fi;** **if [ $DEBUG\_ECHO -eq "1" ]; then  
echo "LST Debug: $(date)";  
echo "LST Debug: kswapd0 found";  
fi;  
fi;** **# Check briefly one more time  
if [ $n -eq "2" ]; then  
if [ $DEBUG\_ECHO -eq "1" ]; then  
echo "LST Debug: 2nd loop"  
fi;  
NUMBER\_OF\_CHECKS=6 # Editing not recommended  
SLEEP\_TIME=5 # Editing not recommended  
fi;** **while [ $CHECK\_COUNT -lt $NUMBER\_OF\_CHECKS ];  
do  
# Resident apps  
if [ $PROCESS\_1 -eq "0" ]; then PNAME="com.android.phone"; NICELEVEL=-20; if [ `pidof $PNAME` ]; then renice $NICELEVEL `pidof $PNAME`; PROCESS\_1=1; P\_CHECK=`expr $P\_CHECK + 1`; fi; fi;  
if [ $PROCESS\_2 -eq "0" ]; then PNAME="com.android.systemui"; NICELEVEL=-18; if [ `pidof $PNAME` ]; then renice $NICELEVEL `pidof $PNAME`; PROCESS\_2=1; P\_CHECK=`expr $P\_CHECK + 1`; fi; fi;**

**if [ $PROCESS\_3 -eq "0" ]; then PNAME="com.android.settings"; NICELEVEL=-18; if [ `pidof $PNAME` ]; then renice $NICELEVEL `pidof $PNAME`; PROCESS\_3=1; P\_CHECK=`expr $P\_CHECK + 1`; fi; fi;  
if [ $PROCESS\_4 -eq "0" ]; then PNAME="com.lge.android.hime"; NICELEVEL=-18; if [ `pidof $PNAME` ]; then renice $NICELEVEL `pidof $PNAME`; PROCESS\_4=1; P\_CHECK=`expr $P\_CHECK + 1`; fi; fi;  
if [ $PROCESS\_5 -eq "0" ]; then PNAME="com.lge.launcher"; NICELEVEL=-18; if [ `pidof $PNAME` ]; then renice $NICELEVEL `pidof $PNAME`; PROCESS\_5=1; P\_CHECK=`expr $P\_CHECK + 1`; fi; fi;  
if [ $PROCESS\_6 -eq "0" ]; then PNAME="com.android.vending"; NICELEVEL=-18; if [ `pidof $PNAME` ]; then renice $NICELEVEL `pidof $PNAME`; PROCESS\_6=1; P\_CHECK=`expr $P\_CHECK + 1`; fi; fi;  
if [ $PROCESS\_7 -eq "0" ]; then PNAME="com.android.mms"; NICELEVEL=-19; if [ `pidof $PNAME` ]; then renice $NICELEVEL `pidof $PNAME`; PROCESS\_7=1; P\_CHECK=`expr $P\_CHECK + 1`; fi; fi;  
if [ $PROCESS\_8 -eq "0" ]; then PNAME="android.process.acore"; NICELEVEL=-3; if [ `pidof $PNAME` ]; then renice $NICELEVEL `pidof $PNAME`; PROCESS\_8=1; P\_CHECK=`expr $P\_CHECK + 1`; fi; fi;  
if [ $PROCESS\_9 -eq "0" ]; then PNAME="android.process.media"; NICELEVEL=-3; if [ `pidof $PNAME` ]; then renice $NICELEVEL `pidof $PNAME`; PROCESS\_9=1; P\_CHECK=`expr $P\_CHECK + 1`; fi; fi;  
if [ $PROCESS\_10 -eq "0" ]; then PNAME="com.gau.go.launcherex"; NICELEVEL=-18; if [ `pidof $PNAME` ]; then renice $NICELEVEL `pidof $PNAME`; PROCESS\_10=1; P\_CHECK=`expr $P\_CHECK + 1`; fi; fi;  
if [ $PROCESS\_11 -eq "0" ]; then PNAME="com.tencent.mobileqq"; NICELEVEL=-15; if [ `pidof $PNAME` ]; then renice $NICELEVEL `pidof $PNAME`; PROCESS\_11=1; P\_CHECK=`expr $P\_CHECK + 1`; fi; fi;  
if [ $PROCESS\_12 -eq "0" ]; then PNAME="com.android.camera"; NICELEVEL=-19; if [ `pidof $PNAME` ]; then renice $NICELEVEL `pidof $PNAME`; PROCESS\_12=1; P\_CHECK=`expr $P\_CHECK + 1`; fi; fi;  
if [ $PROCESS\_13 -eq "0" ]; then PNAME="com.tencent.mtt"; NICELEVEL=-15; if [ `pidof $PNAME` ]; then renice $NICELEVEL `pidof $PNAME`; PROCESS\_13=1; P\_CHECK=`expr $P\_CHECK + 1`; fi; fi;  
if [ $PROCESS\_14 -eq "0" ]; then PNAME="com.ucmobile"; NICELEVEL=-15; if [ `pidof $PNAME` ]; then renice $NICELEVEL `pidof $PNAME`; PROCESS\_14=1; P\_CHECK=`expr $P\_CHECK + 1`; fi; fi;  
  
# If all processes are done, loop can finish early  
if [ $P\_CHECK -ge $PROCESSES\_TOTAL ]; then CHECK\_COUNT=$NUMBER\_OF\_CHECKS; else sleep $SLEEP\_TIME; fi;CHECK\_COUNT=`expr $CHECK\_COUNT + 1`;  
done** **if [ $DEBUG\_ECHO -eq "1" ]; then  
echo "LST Debug: $(date)"  
if [ $PROCESS\_1 -eq "0" ]; then echo "LST Debug: PROCESS\_1 expired after `expr $CHECK\_COUNT \\* $SLEEP\_TIME` seconds"; fi;  
if [ $PROCESS\_2 -eq "0" ]; then echo "LST Debug: PROCESS\_2 expired after `expr $CHECK\_COUNT \\* $SLEEP\_TIME` seconds"; fi;  
if [ $PROCESS\_3 -eq "0" ]; then echo "LST Debug: PROCESS\_3 expired after `expr $CHECK\_COUNT \\* $SLEEP\_TIME` seconds"; fi;  
if [ $PROCESS\_4 -eq "0" ]; then echo "LST Debug: PROCESS\_4 expired after `expr $CHECK\_COUNT \\* $SLEEP\_TIME` seconds"; fi;  
if [ $PROCESS\_5 -eq "0" ]; then echo "LST Debug: PROCESS\_5 expired after `expr $CHECK\_COUNT \\* $SLEEP\_TIME` seconds"; fi;  
if [ $PROCESS\_6 -eq "0" ]; then echo "LST Debug: PROCESS\_6 expired after `expr $CHECK\_COUNT \\* $SLEEP\_TIME` seconds"; fi;  
if [ $PROCESS\_7 -eq "0" ]; then echo "LST Debug: PROCESS\_7 expired after `expr $CHECK\_COUNT \\* $SLEEP\_TIME` seconds"; fi;  
if [ $PROCESS\_8 -eq "0" ]; then echo "LST Debug: PROCESS\_8 expired after `expr $CHECK\_COUNT \\* $SLEEP\_TIME` seconds"; fi;  
if [ $PROCESS\_9 -eq "0" ]; then echo "LST Debug: PROCESS\_9 expired after `expr $CHECK\_COUNT \\* $SLEEP\_TIME` seconds"; fi;  
if [ $PROCESS\_10 -eq "0" ]; then echo "LST Debug: PROCESS\_10 expired after `expr $CHECK\_COUNT \\* $SLEEP\_TIME` seconds"; fi;  
if [ $PROCESS\_11 -eq "0" ]; then echo "LST Debug: PROCESS\_11 expired after `expr $CHECK\_COUNT \\* $SLEEP\_TIME` seconds"; fi;  
if [ $PROCESS\_12 -eq "0" ]; then echo "LST Debug: PROCESS\_12 expired after `expr $CHECK\_COUNT \\* $SLEEP\_TIME` seconds"; fi;  
if [ $PROCESS\_13 -eq "0" ]; then echo "LST Debug: PROCESS\_13 expired after `expr $CHECK\_COUNT \\* $SLEEP\_TIME` seconds"; fi;  
if [ $PROCESS\_14 -eq "0" ]; then echo "LST Debug: PROCESS\_14 expired after `expr $CHECK\_COUNT \\* $SLEEP\_TIME` seconds"; fi;** **echo "LST Debug: Checking complete"  
fi;** **done** **if [ $DEBUG\_ECHO -eq "0" ]; then  
echo "LST Debug: Done"  
echo ""  
fi;**

**下面的就是实际的参数调整项目的Log日志，看得懂的可以看看，看不懂的直接略过，每个项目的具体含义不做过多解释了。Original=原始，Tweaked=调整后的  
  
#########################################  
## LG Optimus 2X tweak script log file ##  
#########################################  
##Kernel version: 2.6.32.9** **Original: /sys/module/lowmemorykiller/parameters/adj = 0,1,2,4,7,15  
Tweaked: /sys/module/lowmemorykiller/parameters/adj = 0,3,6,10,12,15Lowmemorykiller mode is: str  
Original: /sys/module/lowmemorykiller/parameters/minfree = 2048,3072,4096,6144,10752,12288  
Tweaked: /sys/module/lowmemorykiller/parameters/minfree = 2048,3584,10240,12800,15360,19200** **Original: /proc/sys/net/ipv4/tcp\_timestamps = 1  
Tweaked: /proc/sys/net/ipv4/tcp\_timestamps = 0** **Original: /proc/sys/net/ipv4/tcp\_no\_metrics\_save = 0  
Tweaked: /proc/sys/net/ipv4/tcp\_no\_metrics\_save = 1** **Original: /proc/sys/net/ipv4/tcp\_tw\_reuse = 0  
Tweaked: /proc/sys/net/ipv4/tcp\_tw\_reuse = 1** **Original: /proc/sys/net/ipv4/tcp\_sack = 1  
Tweaked: /proc/sys/net/ipv4/tcp\_sack = 1** **Original: /proc/sys/net/ipv4/tcp\_window\_scaling = 1  
Tweaked: /proc/sys/net/ipv4/tcp\_window\_scaling = 0** **Original: /proc/sys/net/ipv4/tcp\_keepalive\_time = 7200  
Tweaked: /proc/sys/net/ipv4/tcp\_keepalive\_time = 1200** **Original: /proc/sys/net/ipv4/tcp\_keepalive\_probes = 9  
Tweaked: /proc/sys/net/ipv4/tcp\_keepalive\_probes = 5** **Original: /proc/sys/net/ipv4/tcp\_keepalive\_intvl = 75  
Tweaked: /proc/sys/net/ipv4/tcp\_keepalive\_intvl = 30** **Original: /proc/sys/net/ipv4/tcp\_fin\_timeout = 60  
Tweaked: /proc/sys/net/ipv4/tcp\_fin\_timeout = 15** **Original: /proc/sys/net/ipv4/tcp\_max\_tw\_buckets = 180000  
Tweaked: /proc/sys/net/ipv4/tcp\_max\_tw\_buckets = 360000** **Original: /proc/sys/net/ipv4/tcp\_reordering = 3  
Tweaked: /proc/sys/net/ipv4/tcp\_reordering = 5** **Original: /proc/sys/net/ipv4/tcp\_slow\_start\_after\_idle = 1  
Tweaked: /proc/sys/net/ipv4/tcp\_slow\_start\_after\_idle = 0** **Original: /proc/sys/net/ipv4/tcp\_syn\_retries = 5  
Tweaked: /proc/sys/net/ipv4/tcp\_syn\_retries = 3** **Original: /proc/sys/net/ipv4/tcp\_synack\_retries = 5  
Tweaked: /proc/sys/net/ipv4/tcp\_synack\_retries = 2** **Original: /proc/sys/net/ipv4/tcp\_tw\_recycle = 0**

**Tweaked: /proc/sys/net/ipv4/tcp\_tw\_recycle = 1** **Original: /proc/sys/net/ipv4/tcp\_rmem = 4093 26280 35040  
Tweaked: /proc/sys/net/ipv4/tcp\_rmem = 4093 26280 35040** **Original: /proc/sys/net/ipv4/tcp\_wmem = 4096 16384 35040  
Tweaked: /proc/sys/net/ipv4/tcp\_wmem = 4096 16384 35040** **Original: /proc/sys/net/ipv4/conf/all/accept\_redirects = 1  
Tweaked: /proc/sys/net/ipv4/conf/all/accept\_redirects = 0** **Original: /proc/sys/net/ipv4/conf/default/accept\_redirects = 1  
Tweaked: /proc/sys/net/ipv4/conf/default/accept\_redirects = 0** **Original: /proc/sys/net/core/wmem\_default = 112640  
Tweaked: /proc/sys/net/core/wmem\_default = 65535** **Original: /proc/sys/net/core/wmem\_max = 112640  
Tweaked: /proc/sys/net/core/wmem\_max = 524288** **Original: /proc/sys/net/core/rmem\_default = 112640  
Tweaked: /proc/sys/net/core/rmem\_default = 65535** **Original: /proc/sys/net/core/rmem\_max = 112640  
Tweaked: /proc/sys/net/core/rmem\_max = 524288** **Original: /proc/sys/net/core/netdev\_max\_backlog = 1000  
Tweaked: /proc/sys/net/core/netdev\_max\_backlog = 262144** **Original: /proc/sys/net/core/somaxconn = 128  
Tweaked: /proc/sys/net/core/somaxconn = 262144** **Original: /sys/devices/system/cpu/cpu1/online = 1  
Tweaked: /sys/devices/system/cpu/cpu1/online = 1** **Original: /proc/sys/vm/oom\_kill\_allocating\_task = 0  
Tweaked: /proc/sys/vm/oom\_kill\_allocating\_task = 0** **Original: /proc/sys/vm/panic\_on\_oom = 0  
Tweaked: /proc/sys/vm/panic\_on\_oom = 0** **Original: /proc/sys/vm/laptop\_mode = 0  
Tweaked: /proc/sys/vm/laptop\_mode = 0** **Original: /proc/sys/vm/swappiness = 60  
Tweaked: /proc/sys/vm/swappiness = 30** **Original: /proc/sys/vm/dirty\_background\_ratio = 5  
Tweaked: /proc/sys/vm/dirty\_background\_ratio = 60** **Original: /proc/sys/vm/dirty\_ratio = 20  
Tweaked: /proc/sys/vm/dirty\_ratio = 95** **Original: /proc/sys/vm/min\_free\_kbytes = 10240  
Tweaked: /proc/sys/vm/min\_free\_kbytes = 8192** **Original: /proc/sys/vm/vfs\_cache\_pressure = 200  
Tweaked: /proc/sys/vm/vfs\_cache\_pressure = 10** **Original: /proc/sys/vm/overcommit\_memory = 1**

**Tweaked: /proc/sys/vm/overcommit\_memory = 1** **Original: /proc/sys/vm/page-cluster = 3  
Tweaked: /proc/sys/vm/page-cluster = 3** **Original: /proc/sys/vm/min\_free\_order\_shift = 4  
Tweaked: /proc/sys/vm/min\_free\_order\_shift = 4** **Original: /proc/sys/vm/dirty\_writeback\_centisecs = 500  
Tweaked: /proc/sys/vm/dirty\_writeback\_centisecs = 2000** **Original: /proc/sys/vm/dirty\_expire\_centisecs = 200  
Tweaked: /proc/sys/vm/dirty\_expire\_centisecs = 1000** **Original: /proc/sys/fs/lease-break-time = 45  
Tweaked: /proc/sys/fs/lease-break-time = 45** **Original: /proc/sys/kernel/hung\_task\_timeout\_secs = 0  
Tweaked: /proc/sys/kernel/hung\_task\_timeout\_secs = 30** **Original: /proc/sys/kernel/panic = 1  
Tweaked: /proc/sys/kernel/panic = 30** **Original: /proc/sys/kernel/panic\_on\_oops = 1  
Tweaked: /proc/sys/kernel/panic\_on\_oops = 1** **Original: /proc/sys/kernel/sched\_compat\_yield = 1  
Tweaked: /proc/sys/kernel/sched\_compat\_yield = 1** **Original: /proc/sys/kernel/sched\_child\_runs\_first = 0  
Tweaked: /proc/sys/kernel/sched\_child\_runs\_first = 0** **Original: /proc/sys/kernel/sched\_features = 15834235  
Tweaked: /proc/sys/kernel/sched\_features = 24189** **Original: /proc/sys/kernel/sched\_latency\_ns = 10000000  
Tweaked: /proc/sys/kernel/sched\_latency\_ns = 18000000** **Original: /proc/sys/kernel/sched\_min\_granularity\_ns = 2000000  
Tweaked: /proc/sys/kernel/sched\_min\_granularity\_ns = 1500000** **Original: /proc/sys/kernel/sched\_wakeup\_granularity\_ns = 2000000  
Tweaked: /proc/sys/kernel/sched\_wakeup\_granularity\_ns = 3000000** **Original: /proc/sys/kernel/sched\_shares\_ratelimit = 500000  
Tweaked: /proc/sys/kernel/sched\_shares\_ratelimit = 256000** **Original: /proc/sys/kernel/threads-max = 5952  
Tweaked: /proc/sys/kernel/threads-max = 5000** **Compcache in static mode size is   
Original: /proc/sys/vm/swappiness = 30  
Tweaked: /proc/sys/vm/swappiness = 30** **Original: /proc/sys/vm/vfs\_cache\_pressure = 10  
Tweaked: /proc/sys/vm/vfs\_cache\_pressure = 10** **Original: /sys/block/mmcblk0/queue/rotational = 0  
Tweaked: /sys/block/mmcblk0/queue/rotational = 0** **Original: /sys/block/mmcblk0/queue/optimal\_io\_size = 0**

**Tweaked: /sys/block/mmcblk0/queue/optimal\_io\_size = 0** **Original: /sys/block/mmcblk0/queue/read\_ahead\_kb = 128  
Tweaked: /sys/block/mmcblk0/queue/read\_ahead\_kb = 2048** **Original: /sys/block/mmcblk0/queue/iostats = 1  
Tweaked: /sys/block/mmcblk0/queue/iostats = 0** **Original: /sys/block/mmcblk0/queue/iosched/quantum = 4  
Tweaked: /sys/block/mmcblk0/queue/iosched/quantum = 4** **Original: /sys/block/mmcblk0/queue/iosched/low\_latency = 1  
Tweaked: /sys/block/mmcblk0/queue/iosched/low\_latency = 1** **Original: /sys/block/mmcblk0/queue/iosched/slice\_idle = 10  
Tweaked: /sys/block/mmcblk0/queue/iosched/slice\_idle = 10** **Original: /sys/block/mmcblk0/queue/iosched/back\_seek\_penalty = 2  
Tweaked: /sys/block/mmcblk0/queue/iosched/back\_seek\_penalty = 1** **Original: /sys/block/mmcblk0/queue/iosched/back\_seek\_max = 16384  
Tweaked: /sys/block/mmcblk0/queue/iosched/back\_seek\_max = 1000000000Original: /sys/block/mmcblk0/queue/nr\_requests = 128  
Tweaked: /sys/block/mmcblk0/queue/nr\_requests = 128** **Original: /sys/block/mmcblk0/queue/scheduler = noop anticipatory deadline [cfq]  
Tweaked: /sys/block/mmcblk0/queue/scheduler = noop anticipatory deadline [cfq]Original: /sys/block/mmcblk1/queue/rotational = 0  
Tweaked: /sys/block/mmcblk1/queue/rotational = 0** **Original: /sys/block/mmcblk1/queue/optimal\_io\_size = 0  
Tweaked: /sys/block/mmcblk1/queue/optimal\_io\_size = 0** **Original: /sys/block/mmcblk1/queue/read\_ahead\_kb = 128  
Tweaked: /sys/block/mmcblk1/queue/read\_ahead\_kb = 2048** **Original: /sys/block/mmcblk1/queue/iostats = 1  
Tweaked: /sys/block/mmcblk1/queue/iostats = 0** **Original: /sys/block/mmcblk1/queue/iosched/quantum = 4  
Tweaked: /sys/block/mmcblk1/queue/iosched/quantum = 4** **Original: /sys/block/mmcblk1/queue/iosched/low\_latency = 1  
Tweaked: /sys/block/mmcblk1/queue/iosched/low\_latency = 1** **Original: /sys/block/mmcblk1/queue/iosched/slice\_idle = 10  
Tweaked: /sys/block/mmcblk1/queue/iosched/slice\_idle = 10** **Original: /sys/block/mmcblk1/queue/iosched/back\_seek\_penalty = 2  
Tweaked: /sys/block/mmcblk1/queue/iosched/back\_seek\_penalty = 1** **Original: /sys/block/mmcblk1/queue/iosched/back\_seek\_max = 16384  
Tweaked: /sys/block/mmcblk1/queue/iosched/back\_seek\_max = 1000000000Original: /sys/block/mmcblk1/queue/nr\_requests = 128  
Tweaked: /sys/block/mmcblk1/queue/nr\_requests = 128** **Original: /sys/block/mmcblk1/queue/scheduler = noop anticipatory deadline [cfq]  
Tweaked: /sys/block/mmcblk1/queue/scheduler = noop anticipatory deadline [cfq]Original: /sys/devices/virtual/bdi/179:0/read\_ahead\_kb = 2048  
Tweaked: /sys/devices/virtual/bdi/179:0/read\_ahead\_kb = 2048**

原帖地址：[http://bbs.gfan.com/android-4464129-1-1.html](http://jump.bdimg.com/safecheck/index?url=x+Z5mMbGPAsWuxmTy2Rtni/U1IPhu5SS0VsxHbELrYlGuPFqNFex7ibmifoJXeGp0cYymkvTRlhX2X5JFlHfpJeswbgUQK3I5cLKJxJDD4kYR9TPxi+1xMvesMrrsp3eM0ffjd+BW5B4EGwlqGjQ4nY9qHh6BM0y)  
感谢**Mr.Ding大神。**

不会搞的看过来，看过来，本人已集成三个脚本，做成了个卡刷补丁，不要双清，直接刷入，试试效果吧，下载地址：[http://pan.baidu.com/share/link?shareid=135417&uk=2886182335](http://jump.bdimg.com/safecheck/index?url=x+Z5mMbGPAvVIlwZePSt0B3tEqEFWbC4kYEIagYmMtZBzFm1If7AwAcI/1AcUHLq4A150yGJbla2s5hW2YgzFEWe0jZJ1o2ofwALdQVfeo0/+fWYRV5puIh0LllkX9aZmFBLN5oNWxdVWtkCIA9U0K2uQQ3UQqP1Rsi79fHfRGcN0JW7pjPTVTA8Zu4mdgY0)