

```
#!/bin/bash
#Usage: imdmon <path>
```

```
if [[ "$1" == "" ]] ; then Path="/" ; fi
```

```
#-----
_LCODES='Afrikaans|af%Albanian|al|sq|sq0|sqi%Amharic|amh|am0|am%Arabic|ara|ar0|ar%Armenian|arm|hy|hy0|hye%
Australian|Oau%Austrian|Oat%Basque|eu%Belgian|Och%Bosnian|bs%British|Ogb%Bulgarian|bul|bg0|bg%Byelorussian|be|bel%
Canadian|Oca%Catalan|ca|ca0|cat%Cherokee|chr%Chinese|chi|zh|zh0|zho%Croatian|hrv|hr0|hr%Czech|cze|cs|ces|cs0|cz%
Danish|dan|da0|da%Dutch|dut|du|nld|nl0|nl%Emoji%English|en|eng|en0US%EN~Hybrid|Oca|Oie|Ojp|Oin|Onz|Osg|Ouk|Oza%
Estonian|est|et0|et%Finnish|fin|fi0|fi|se%Filipino|ph|fil|tl%French|fra|fr|fre|Ofr%Gaelic|ga0|ga%German|deu|de|ger|Ode|gsw%
Greek|gre|el|el0|ell%Guarani|gl%Gujarati|guj|gu0|gu%Hawaiian|haw%Hebrew|heb|he|he0|iwi%Hindi|hin|hi0|hi|bn|kn|ml|mr|te
%Hungarian|hun|hu0|hu%Icelandic|ice|is|is0|isl%Indonesian|id|ind|id0|in%Iranian|ira|fa|fa0|per%Italian|ita|it0|it%Japanese|ja|
ja0|jpn|ka|Kana%Kanuri|kr%Korean|kor|ko0|ko%Latvian|lav|lv0|lv%Lingala|ln%Lithuanian|lit|lt0|lt%Macedonian|mk|mk0|mac%
Malay|Malaysian|may|ms0|ms%Norwegian|nb|nor|no|nob|nn|nn0|nno%Panjabi|pa|pa0|pan%Polish|pol|pl0|pl%Portuguese|
por|pt0|pt%Romanian|ro|rum|mo|ro0|ron%Russian|ru|ru0|rus%Serbian|sr0|sr%Slovak|slk|sk|sk0|slo%Slovenian|slv|sl0|sl%
Spanish|spa|sp|sp0|es|Oes|gl%SP~Hybrid|0419|0ar|0bo|0cl|0co|0cr|0do|0ec|0gt|0hn|0mx|0ni|0pa|0pe|0pr|0py|0sv|0us|
0uy|0ve%Swahili|sw%Swedish|swe|sv0|sv%Tamil|ta%Thai|tha|th0|th%Tibetan|bo%Turkish|tur|tr0|tr%Ukrainian|ukr|uk0|uk%
Urdu|ur%Vietnamese|vi|vt|vi0|vn0|vn%Welsh|cy%Zulu|zu'
```

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#-----
_IDAEMONS='accessory%iPhone docks, AV cables & accessories|AddressBook%Cache Contacts for faster
loading|AdminLite%Force-Quit unresponsive processes|AOSNotification%MobileMe & iCloud over-the-air
sync|appsupport.cplogd%Logs 3rdParty app crashes|apsd%Push notifications|apsd.tcpdump.en0%Logs push notification
errors|apsd.tcpdump.pdp_ip0%Also logs push errors|aslmanager% System Log manager%|assitivetouchd%AssistiveTouch.app
helper|awd_iceX%2G & 3G use ice2; 4G+ uses ice3|certui.relay%Unverified website warnings|chud.chum% CHUD
tools|chud.pilotfish%CHUD for developers|crash_mover%Move Crashlogs to Mob/Lib/Logs|CrashHousekeeping%Deals with
crashes|daily%AppStore automatic update check|dataaccess.dataaccessd%MobileMe,Exchange,LDAP
Sync|datamigrator%Transfer SIM contacts to phone|DumpBasebandCrash%Dumps baseband crashes|DumpPanic%Writes
panic-info to Crash Logs|gamed%Needed only for GameCenter|graphicservices.sample%Display album
artwork|iapd%Manages accessories & Nike+iPod|iqaqent%Unknown but removal ok|itunescloudd%iTunes Cloud & Home
Sharing|livetrace%MobileMe tracking Daemon|marcoagent%Logs iMessage & FaceTime crashes|marco.tcpdump.en0%Logs
errors with WiFi connections|mobile.daemoney_device_arbitrator%Accessories|mobile.obliteration%Settings Reset,
Data-wipe|mobile.profile_janitor%Provisioning profiles|mobile.softwareupdated%Jailbreak made this
useless|MobileInternetSharing%Internet Tethering|nmbd%Samba daemon?|notifyd%Needed only for Push
Notification|OTACrashCopier%Moves OTA crashlogs|OTATaskingAgent%OTA update periodic checks|powerlog%Logs
incompatible chargers|printd%Starts the AirPrint daemon|profilepolicy%For iOS5; Unknown but removal OK|psctl%Camera
Connection Kit support|racon%VPN Virtual Private Networks|ReportCrash.DirectoryService% Crash report
1|ReportCrash.Jetsam% Crash report 2|ReportCrash% Crash report 3|ReportCrash.SafetyNet% Crash report
4|ReportCrash.SimulateCrash% Crash report 5|ReportCrash.StackShot% Crash report 6|scrod%Voice
Control|search.appindexer%Indexes apps for Spotlight|searchd%Remove to disable Spotlight search|sharktrace%Developer
crash logs|SpringBoard.SetupHelper%iOS Setup app first-run|stackshot.server%Unknown but removal
ok|storage_mounter%iPad Camera Connection Kit|syslogd%Logs system events|tcpdump.server%Dump traffic on a
network|usbethernetsharing%|vibrationmanagerd%Custom vibration patterns|voiced%Voice Control|VoiceOverTouch%Also
Voice Control|vsassetd%Starts Voice control|wapic%Chinese WiFi error log|com.saurik.Cydia.Startup%Cydia AutoInstall of DEB
files'
```

```
#-----
_SIMS="ae|U.A.Emirates al|Albania am|Armenia ar|Argentina at|Austria au|Australia be|Belgium bg|Bulgaria bh|Bahrain
bo|Bolivia br|Brazil bw|Botswana ca|Canada cf|C.A.Rep ch|Switzerland ci|Cote_d'Ivoire cl|Chile cm|Cameroon cn|China
co|Colombia cr|Costa_Rica cz|Czech_Republic de|Germany Germany|Germany dk|Denmark do|Dominican_Rep ec|Ecuador
ee|Estonia eg|Egypt es|Spain fi|Finland fr|France France|France gn|Guinea gr|Greece gt|Guatemala gu|Guam hk|Hong_Kong
hn|Honduras hr|Croatia hu|Hungary id|Indonesia ie|Ireland il|Israel in|India it|Italy Italy|Italy jm|Jamaica jo|Jordan jp|Japan
ke|Kenya kr|South_Korea kw|Kuwait li|Liechtenstein lt|Lithuania lu|Luxembourg lv|Latvia ma|Morocco md|Moldova
me|Montenegro mg|Madagascar mk|Macedonia ml|Mali mo|Macau mq|Martinique mt|Malta mu|Mauritius mx|Mexico
my|Malaysia ne|Niger ni|Nicaragua nl|Netherlands no|Norway nz|New_Zealand pa|Panama pe|Peru ph|Philippines pl|Poland
pt|Portugal py|Paraguay qa|Qatar re|Reunion ro|Romania ru|Russia sa|Saudi_Arabia se|Sweden sg|Singapore si|Slovenia
sk|Slovakia sn|Senegal sv|El_Salvador th|Thailand tn|Tunisia tr|Turkey tt|Trinidad_&_Tobago tw|Taiwan ug|Uganda
uk|England uy|Uruguay ve|Venezuela vn|Vietnam wi|Caribbean za|South_Africa"
```

```
#-----
_RCODES="AF|Afghanistan%AL|Albania%DZ|Algeria%AS|American_Samoa%AD|Andorra%AO|Angola%AI|Anguilla%AQ|
Antarctica%AG|Antigua_&_Barbuda%AR|Argentina%AM|Armenia%AW|Aruba%AU|Australia%AT|Austria%AZ|Azerbaijan%BS|
Bahamas%BH|Bahrain%BD|Bangladesh%BB|Barbados%BY|Belarus%BE|Belgium%BZ|Belize%BJ|Benin%BM|Bermuda%BT|Bhutan%BO
|Bolivia%BA|Bosnia_&_Herzegovina%BW|Botswana%BR|Brazil%BN|Brunei%BG|Bulgaria%BF|Burkina_Faso%BI|Burundi%KH|
Cambodia%CM|Cameroon%CA|Canada%CV|Cape_Verde%KY|Cayman_Islands%CF|Central_African_Republic%TD|Chad%CL|Chile
%CN|China%CO|Colombia%KM|Comoros%CG|Congo-Brazzaville%CD|DR_Congo%CR|Costa_Rica%CI|Côte_D'Ivoire%HR|Croatia
%CU|Cuba%CW|Curaçao%CY|Cyprus%CZ|Czech_Republic%DK|Denmark%DJ|Djibouti%DM|Dominica%DO|Dominican_Republic%
EC|Ecuador%EG|Egypt%SV|El_Salvador%GQ|Equatorial_Guinea%ER|Eritrea%EE|Estonia%ET|Ethiopia%FK|Falkland_Islands%FO|
Faroe_Islands%FJ|Fiji%FI|Finland%FR|France%GF|French_Guiana%PF|French_Polynesia%GA|Gabon%GM|Gambia%GE|Georgia%DE
|Germany%GH|Ghana%GI|Gibraltar%GR|Greece%GL|Greenland%GD|Grenada%GP|Guadeloupe%GU|Guam%GT|Guatemala%GG|
Guernsey%GN|Guinea%GW|Guinea-Bissau%GY|Guyana%HT|Haiti%VA|Vatican_City%HN|Honduras%HK|Hong_Kong%HU|
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Hungary%|S|Iceland%|N|India%|D|Indonesia%|R|Iran%|Q|Iraq%|E|Ireland%|M|Isle\_Of\_Man%|L|Israel%|T|Italy%|J|Jamaica%|P|Japan%|E|Jersey%|J|Jordan%|K|Kazakhstan%|K|Kenya%|P|North\_Korea%|K|South\_Korea%|K|Kuwait%|K|Kyrgyzstan%|L|Lao%|L|Latvia%|L|Lebanon%|L|Lesotho%|L|Liberia%|L|Libya%|L|Liechtenstein%|L|Lithuania%|L|Luxembourg%|M|Macao%|M|Macedonia%|M|Madagascar%|M|Malawi%|M|Malaysia%|M|Maldives%|M|Mali%|M|Malta%|M|Marshall\_Islands%|M|Martinique%|M|Mauritania%|M|Mauritius%|M|Mexico%|M|Micronesia%|M|Moldova%|M|Monaco%|M|Mongolia%|M|Montenegro%|M|Montserrat%|M|Morocco%|M|Mozambique%|M|Myanmar%|N|Namibia%|N|Nepal%|N|Netherlands%|N|New\_Caledonia%|N|New\_Zealand%|N|Nicaragua%|N|Nigeria%|N|Norway%|O|Oman%|O|Pakistan%|P|Palestinian\_Territory%|P|Panama%|P|Papua\_New\_Guinea%|P|Paraguay%|P|Peru%|P|Philippines%|P|Pitcairn%|P|Poland%|P|Portugal%|P|Puerto\_Rico%|Q|Qatar%|R|Réunion%|R|Romania%|R|Russia%|R|RWanda%|B|Saint\_Barthélemy%|S|Saint\_Helena%|K|Saint\_Kitts%|L|Saint\_Lucia%|M|French\_Saint\_Martin%|M|Saint\_Pierre\_&\_Miquelon%|V|Saint\_Vincent%|S|Samoa%|S|San\_Marino%|S|Sao\_Tome\_&\_Principe%|S|Saudi\_Arabia%|S|Senegal%|S|Serbia%|S|Seychelles%|S|Sierra\_Leone%|S|Singapore%|S|Dutch\_Saint\_Maarten%|S|Slovakia%|S|Slovenia%|S|Solomon\_Islands%|S|Somalia%|Z|South\_Africa%|S|South\_Sudan%|S|Spain%|L|Sri\_Lanka%|S|Sudan%|S|Suriname%|S|Swaziland%|S|Sweden%|S|Switzerland%|S|Syria%|T|Taiwan%|T|Tajikistan%|T|Tanzania%|T|Thailand%|T|East\_Timor%|T|Togo%|T|Trinidad\_&\_Tobago%|T|Tunisia%|T|Turkey%|T|Turkmenistan%|T|Turks\_&\_Caicos%|U|Uganda%|U|Ukraine%|U|United\_Arab\_Emirates%|U|United\_Kingdom%|U|United\_States%|U|Uruguay%|U|Uzbekistan%|U|Venezuela%|V|Vietnam%|V|British\_Virgin\_Islands%|V|U.S\_Virgin\_Islands%|W|Wallis\_&\_Futuna%|H|Western\_Sahara%|Y|Yemen%|Z|Zambia%|Z|Zimbabwe"

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#-----
_RD='\e[0;31m'; _GR='\e[0;32m'; _YL='\e[0;33m'; _BL='\e[0;34m'; _MG='\e[0;35m'; _CY='\e[0;36m'; _WH='\e[0;37m';
_RS='\e[0;0m';function red() { printf "${_RD}"; };function green() { printf "${_GR}"; };function yellow() { printf "${_YL}"; };function
blue() { printf "${_BL}"; };function magenta() { printf "${_MG}"; };function cyan() { printf "${_CY}"; };function white() { printf
"${_WH}"; };function nocolor() { printf "${_RS}"; };mkdir -p /private/var/mobile/Media/Downloads/Logs ;chown -R
mobile:mobile /private/var/mobile/Media/Downloads/Logs ;function repeat() { n=$1 ;shift;while [ $(($ n - 1)) -ge 0 ];do
"$@";done; }; _WIDTH="$((tput cols))"; _SYSLIB="/System/Library"; _PRIVAR="/private/var"; _MOBILE="/private/var/mobile";
_STAPPS="$(find /private/var/stash -name 'Applications*')"; _MOBAPP="/private/var/mobile/Applications";
_LOGS="/private/var/mobile/Media/Downloads/Logs"; _DOWNL="/private/var/mobile/Media/Downloads"; _TF="/tmp/tf.*";
_4LINE="$(repeat ${_WIDTH}/4 printf '-'); _DEL="$(printf '\b%.0s {1..12};printf '%.0s {1..12};printf '\b%.0s
{1..12}");function cleanup() { rm -f $_TF; };function blank() { printf "\r$(repeat $_WIDTH printf ' '); };function bottom() {
printf "\n\033[1A"; };function notab() { if [[ $_WIDTH -le 60 ]];then _NL="\n"; _TB="\t"; _LS="\r"; _SP=" "; _BK="\b";
_AC="${_CY}";_AY="${_YL}"; _AR="${_RD}"; _AB="${_BL}"; _AM="${_MG}"; "$@"|sed -e s:'^::g';else "${_ST}"; _ST="";_fi; };function indented()
{ if [[ $_WIDTH -ge 60 ]];then "$@"|sed 's:^::g';else "$@";_fi; };function noindent() { if [[ $_WIDTH -le 60 ]];then "$@"|sed 's:^
\tj*::g';else "$@";_fi; };function allcaps() { if [[ $_WIDTH -ge 60 ]];then printf "$@";else printf "\n${@^^}";_fi; };function cutxt() {
if [[ $_WIDTH -ge 60 ]];then printf "$@";else nocolor;_fi; };function hobble() { if [[ $_WIDTH -le 60 ]];then "$@" fn ;else fn
;_fi; };function pa2ste() { if [[ $_WIDTH -le 60 ]];then paste - ;else paste - - ;_fi; };function pa3ste() { if [[ $_WIDTH -le 60 ]];then
paste - - ;else paste - - - ;_fi; };function pa4ste() { if [[ $_WIDTH -le 60 ]];then paste - - ;else paste - - - - ;_fi; };function
cutoff() { if [[ $_WIDTH -le 60 ]];then cut -c -60|sed 's/[ ]*[a-zA-Z0-9\.\$\/\%]';else cut -c -120;_fi; };function cutend() { if [[
$_WIDTH -le 60 ]];then cut -c -59;else cut -c -120;_fi; };function shortd() { if [[ $_WIDTH -le 60 ]];then "$@"|sed -e 's:^/::' -e
's: :%:;g' -e 's:(\[\^.\]\{4\})\[\^.\]\{1,\}(\[\^.\])*/: \1/:g' -e 's:/:$(red)\:$(nocolor):g' -e 's:%: :g';else "$@"|sed -e 's:^/::' -e
's: :%:;g' -e 's:(\[\^.\]\{4\})\[\^.\]\{1,\}(\[\^.\])*(\[\^.\])\(\.[A-Z]\{3,6\})*/: \1^\3\4/:g' -e 's:/:$(red)\:$(nocolor):g' -e
's:%: :g';_fi; };function liner() { if [[ $_WIDTH -le 60 ]];then printf "${_WH}$(repeat 45 printf '-')\n${_WH}$(repeat 45 printf
'-)';else printf "\n ${_RS}---$_RD$(repeat 77 printf '-')${_RS}---\n";_fi; };function bliner() { if [[ $_WIDTH -le 60 ]];then printf
"${_BL}$(repeat 45 printf '-')";else printf "\n ${_RS}---$_BL$(repeat 77 printf '-')${_RS}---\n";_fi; };function gap() { if [[
$_WIDTH -le 60 ]];then printf "${_LS}${_RD}---$_RS$(repeat 39 printf '-')${_RD}---";else printf "";_fi; };function blugap() { if [[
$_WIDTH -le 60 ]];then printf "${_LS}${_RS}---$_BL$(repeat 39 printf '-')${_RS}---";else printf "";_fi; };function redgap() { if [[
$_WIDTH -le 60 ]];then printf "${_LS}${_RS}---$_RD$(repeat 39 printf '-')${_RS}---";else printf "";_fi; };function erata() { printf
"${_YL}INPUT${_RD}! \b${_WH}ERROR";sleep 1 ;printf "${_DEL}";printf "${_YL}SELECT${_WH}AGAIN";sleep 1 ;printf "${_DEL}";
};function answer() { unset ii ;while read -s -n 1 ii ;do ii=${ii^^};if [[ "$ii" = Y || "$ii" = N ]];then break;_fi;erata;done; };function
zanswer() { unset ff ;while read -s -n 1 ff ;do if [[ "$ff" = 1 || "$ff" = 0 ]];then break;_fi;erata;done; };function yn() { notab
printf "${_RS}[${_GR}Y${_RS}] or ${_RS}[${_RD}N${_RS}]" ;etc;ask; };function oi() { notab printf "${_RS}[${_GR}O${_RS}] or
${_RS}[${_RD}1${_RS}]" ;etc;ask; };function print_yn() { case "$ii" in Y) _YN=" ${_RS}[${_GR}Y${_RS}]" ; N) _YN="
${_RS}[${_RD}N${_RS}]" ;esac;echo -e "$_YN";sleep 0.5; };function print_oi() { case "$ff" in 0) _OI=" ${_RS}[${_GR}O${_RS}]" ; 1)
_OI=" ${_RS}[${_RD}1${_RS}]" ;esac;echo -e "$_OI";sleep 0.5; };function notxt() { stty -echo; };function txt() { stty echo;
};function icount() { wc -l 2>/dev/null < /tmp/tf.logrm.log;printf "$?"|tr -d '0'|tr '1' '0'; };function icounttmp() { wc -l
2>/dev/null < /tmp/tf.count.log;printf "$?"|tr -d '0'|tr '1' '0'; };function izeo() { grep -o "[0-9\.*][GMKB]" /tmp/tf.size.log;
};function dot() { notab printf "$(repeat ${_WIDTH}/6 printf ' ' ) \.n" && sleep 0 ; };function etc() { sleep 0.1 ;cutxt ' ';sleep
0.1 ;cutxt " ";sleep 0.1 ;cutxt ' ';sleep 0.1 ; };function etcn() { sleep 0.1 ;cutxt ' ';sleep 0.1 ;cutxt ' ';sleep 0.1 ;cutxt ' ';sleep
0.1 ;printf "\n"; };function etcnn() { sleep 0.1 ;cutxt ' ';sleep 0.1 ;cutxt ' ';sleep 0.1 ;cutxt ' ';sleep 0.1 ;printf "\n";cutxt "\n";
};function ask() { printf '?'; };
#-----
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function xrem() { printf "${E%*}">${_XREM}|tr '\n'|grep '!'|sort -fu|tr '\n'|sed 's:|:|'; }
function xkeep() { printf "${E%*}">${_XKEEP}|tr '\n'|grep '!'|sort -fu|tr '\n'|sed 's:|:|'; }
function appname() { "$@"|sed -e 's:(Game):\1 Center:g' -e 's:(iOS):\1 Diagnostics:g'; }
function xsub() { "$@"|sed -e 's:Game_*[a-zA-Z]*:Game:g' -e 's:Sports_[a-zA-Z]*:Sports:g'; }
function updatxcpt() { grep -Ev '_XREM|_XKEEP' ${_LOGS}/rm.logxcept.log 2>/dev/null > /tmp/tf.xc1.log ;echo
"$_XREM|${xrem}"|grep -v '^_XREM|$'|sed 's:|:|' >> /tmp/tf.xc1.log ;echo "_XKEEP|${xkeep}"|sed -e 's:(\$(echo
"${_XREM}"|sed 's:|:|:|g)):'|grep -v '^_XKEEP|$'|sed 's:|:|' |tr -s '|' >> /tmp/tf.xc1.log ;grep '!' /tmp/tf.xc1.log >
${_LOGS}/rm.logxcept.log 2>/dev/null ; }
#-----
```

```
function editlist() { cat /tmp/tf.${_TLOG}.log 2>/dev/null > /tmp/tf.${_TLOG}_2.log ; notab echo -ne "\n ${_WH}Do you want to ${_RD}EDIT${_WH} this list? ${_NL}${_RS}";etc;yn;answer;print_yn;if [[ "$ii" = N ]];then blank;printf "\033[1A\033[1A";elif [[ "$ii" = Y ]];then notab echo -ne "\n ${_RS}Enter ${_CY}number${_RS}(${_CY}${_BK}s${_RS})${_BK} ${_RS}separated by a ${_WH}single space ${_NL}${_RS}& hit [${_MG}ENTER${_RS}]${_YL}\n\n "; txt && read _XCEPT ;if [[ $_XCEPT = "" ]];then notab printf "\033[1A\033[1A\033[1A";blank;notab echo -ne " Nothing selected so list was not edited\n";else for A in $_XCEPT ;do A="$(echo $A|sed -e 's:\^0*::');while [[ $A = *[^:digit:]* || ! $(sed -n "${A}p" /tmp/tf.${_TLOG}.log 2>/dev/null) ]];do notab echo -ne "\n$(blank) ${_CY}${A} ${_RS}is not a valid selection number. ${_RD}RETYPE SELECTION${_RS}: ${_CY}";while read tt ;do tt="$(echo $tt|sed 's:\^0*::');if [[ $(sed -n "${tt}p" /tmp/tf.${_TLOG}.log 2>/dev/null) ]];then break;fi;notab echo -ne "\033[1A$(blank) ${_CY}${tt} ${_RS}is not a valid selection number. ${_RD}RETYPE SELECTION${_RS}: ${_CY}";done; _XCEPT="$(echo $_XCEPT|tr ' ' '\n'|sort -fu|sed "s:${A}:${tt}:"|tr '\n' ' '); A="$tt";done;done; _XP="$(echo $_XCEPT|sed -e 's/;/ /g)"; echo;if [[ $_XP ]];then notab echo -e "$(sed -n "${_XP}p" /tmp/tf.${_TLOG}.log|sed -e 's,*,, ' -e 's:\.([a-zA-Z])\*: ' -e 's:\^[0-9]*\*: ' |tr [a-z] [A-Z]|uniq|sed -e 's:%: :g' -e 's:\^: $(white)REMOVING $(nocolor)from LIST\ : $(yellow): ' -e 's: :$(magenta): ' )";sleep 1 ; _CC="$(sed -n "${_XP}p" /tmp/tf.${_TLOG}_2.log)"; _XD="$(echo $_XCEPT|sed -e 's/ /d;/g)";sed "${_XD}d" /tmp/tf.${_TLOG}.log > /tmp/tf.${_TLOG}.tf.log ;mv /tmp/tf.${_TLOG}.tf.log /tmp/tf.${_TLOG}.log ; _EPRINT="YES";fi;fi;notxt;unset _TLOG ;unset _XP ; }
```

```
#-----  
function editname() { notab echo -ne "\n ${_WH}Do you want to ${_RD}EDIT${_WH} this list? ${_NL}${_RS}";etc;yn;answer;print_yn;if [[ "$ii" = N ]];then printf "\033[1A\033[1A";blank;elif [[ "$ii" = Y ]];then notab echo -ne " ${_RS}Enter ${_CY}selection${_RS}(${_CY}${_BK}s${_RS})${_BK}${_RS} to ${_WH}exclude${_RS} from ${_CY}Removal List${_NL} ${_RS}separated by a ${_WH}single space ${_RS}& hit [${_MG}ENTER${_RS}]${_YL}\n\n ";txt && read _XCEPT ;if [[ $_XCEPT = "" ]];then notab printf "\033[1A\033[1A\033[1A";blank;notab printf " Nothing selected so list was not edited\n";else for A in $_XCEPT ;do while [[ ! $(grep -Ei "/[a-zA-Z0-9]*${A}[a-zA-Z.~]" /tmp/tf.${_TLOG}.log 2>/dev/null) ]];do notab echo -ne "\n\n\033[1A$(blank) ${_CY}${A} ${_RS}is not a valid selection. ${_RD}RETYPE SELECTION${_RS}: ${_CY}";while read tt ;do if grep -qi "$tt" /tmp/tf.${_TLOG}.log ;then break;fi;echo -ne "\033[1A$(blank) ${_CY}${tt} ${_RS}is not a valid selection. ${_RD}RETYPE SELECTION${_RS}: ${_CY}";done; _XCEPT="$(echo $_XCEPT|tr ' ' '\n'|sort -fu|sed "s:${A}:${tt}:"); A="$tt";done;done; _X="$(echo $_XCEPT|tr ' ' '|)";notab echo -e "\n${_YL}$(grep -Eio "$_X" /tmp/tf.${_TLOG}.log|sed -e 's,*,, ' -e 's:\.([a-zA-Z])\*: ' |tr [a-z] [A-Z]|uniq|sed -e 's:%: :g' -e 's:\^: $(white)REMOVING $(nocolor)From LIST $(yellow): ' -e 's: :$(magenta): ' )";sleep 1 ;grep -Eiv "$(printf ${_X}|sed -e 's:(\<Nike\>)\:|1|Victoria:| -e 's:(\<AdSheet\>)\:|1|iAd:I)' /tmp/tf.${_TLOG}.log > /tmp/tf.${_TLOG}.tf.log ;mv /tmp/tf.${_TLOG}.tf.log /tmp/tf.${_TLOG}.log ; _EPRINT="YES";fi;fi;notxt;unset _TLOG ; }
```

```
#-----  
function editprint() { if [[ "$_EPRINT" == "YES" ]];then if [[ ! "$(echo $_PRINT|grep [a-z])" ]];then notab echo -ne "\n $(red)The list is now empty$(nocolor) " ;etc;n;else notab echo -e "\n ${_RD}Updated list${_RS}:\n" && echo -e "${_PRINT}";fi;sleep 0.5 ;unset _EPRINT ;unset _PRINT ;else unset _EPRINT ;unset _PRINT ;fi ; }
```

```
#-----  
function logxlang() { if [[ $_CC ]];then echo $_L_CODES|sed -e 's:%:\n:g'|grep -Eiw "$(echo $_CC|tr ' ' '|)'"|sed 's:%: :g' > /tmp/tf.x1.log ;grep "_X${_XCPT}" ${_LOGS}/rm.logxcept.log 2>/dev/null|sed -e 's:\.([A-Z])\:\n\n1:g'|grep -v "_X${_XCPT}" >> /tmp/tf.x1.log;sort -fu /tmp/tf.x1.log|tr '\n' '|'|sed -e 's:\^:_X${_XCPT}:" -e 's:|$: :> /tmp/tf.x2.log ;grep -v "\^_X${_XCPT}" ${_LOGS}/rm.logxcept.log 2>/dev/null|sed 's:\^:\n:' >> /tmp/tf.x2.log ;grep '!' /tmp/tf.x2.log > ${_LOGS}/rm.logxcept.log && rm -f /tmp/tf.x*.log ;unset _CC ;fi ; }
```

```
#-----  
function logxlist() { if [[ $_CC ]];then echo "$_CC"|sed 's:*/: :g' > /tmp/tf.x1.log ;grep "_X${_XCPT}" ${_LOGS}/rm.logxcept.log 2>/dev/null|tr '!' '\n'|sed "s:\^_X${_XCPT}:"|grep '!' >> /tmp/tf.x1.log ;sort -fu /tmp/tf.x1.log|tr '\n' '|'|sed -e 's:\^:_X${_XCPT}:" -e 's:|$: :> /tmp/tf.x2.log ;grep -v "\^_X${_XCPT}" ${_LOGS}/rm.logxcept.log 2>/dev/null|sed 's:\^:\n:' >> /tmp/tf.x2.log ;grep '!' /tmp/tf.x2.log > ${_LOGS}/rm.logxcept.log && rm -f /tmp/tf.x*.log ;unset _CC ;fi ; }
```

```
#-----  
_NAVOD="${_RS} ---${_RD}${_4LINE}${_WH}INSTRUCTIONS${_RD}${_4LINE}\b${_RS}---$(liner)${_YL}\n iDevice Theming, the non-WinterBoard method\n ${_RS}Create Icon Source-folder '${_RD}iconography${_RS}' in ${_NL}${_CY}/private/var/mobile/Media/Downloads${_RS}\n Inside, create ${_WH}4 subfolders ${_RS}mirroring UI icon${_NL}'relative' destinations\n Name subfolders to match the basename of ${_NL}destination directories${_RS} as follows:$(bliner)$(gap)\n ${_RD}iconography${_RS}/${_WH}Stash_ ${_RS}${_AY} ${_NL}mirrors ${_MG}/private/var/stash/Applications\t${_RS}${_NL}${_CY}root${_RS}:${_CY}admin${_RS}${_NL}$(redgap)\n ${_RD}iconography${_RS}/${_WH}Mobile_ ${_RS}${_AY} ${_NL}mirrors ${_MG}/private/var/mobile/Applications\t${_RS}${_NL}${_CY}mob°${_RS}:${_CY}mobile${_RS}${_NL}$(redgap)\n ${_RD}iconography${_RS}/${_WH}System_ ${_RS}${_AY} ${_NL}mirrors ${_MG}/System/Library\t\t\t${_RS}${_NL}${_CY}root${_RS}:${_CY}wheel${_RS}${_NL}$(redgap)\n ${_RD}iconography${_RS}/${_WH}Library_ ${_RS}${_AY} ${_NL}mirrors ${_MG}/Library\t\t\t\t\t${_RS}${_NL}${_CY}root${_RS}:${_CY}wheel${_RS}${_NL}$(bliner)\n ${_RS}Re-map them recursively to match destination${_NL} directory-tree, ${_MG}including subfolders${_NL}$(gap)\n ${_RS}e.g In ${_WH}${_AR}Stash_${_RS} (will sync to ${_MG}/private/var${_NL}/stash/Applications${_RS} as per above) upload\n Icons for each application to customize,${_NL} i.e '${_WH}iExample1${_BL}.app${_RS}', into a folder\n With same/matching basename e.${_BK}g '${_WH}${_AC}iExample1${_RS}' or${_NL} ${_CY}iBlacklist${_RS} or ${_CY}iFile${_RS} or ${_CY}iMobileSafari${_RS}${_NL}$(gap)\n ${_YL}Note: ${_MG}LEAVE OUT${_YL} all directory suffixes ${_RS}i.e ${_NL}Remove '${_RD}.app${_RS}' & '${_RD}.bundle${_RS}' & '${_RD}.framework${_RS}'${_NL}$(gap)\n In ${_WH}${_AR}Mobile_ ${_RS}copy icons into folders named for${_NL} any ${_WH}AppStore${_BL}.app${_RS} selected for theming;${_NL}$(gap)\n In ${_WH}${_AR}Library_ ${_RS}customize ${_CY}PreferenceLoader${_RS}, ${_NL}${_CY}Activator${_RS}, ${_CY}PreferenceBundles${_RS}, ${_CY}ActionMenu${_RS};${_NL}$(gap)\n ${_RS}In ${_WH}${_AR}System_ ${_RS}customize SpringBoard UI images in${_NL} ${_CY}CoreServices${_BL}/${_CY}SpringBoard${_BL}.app${_RS}\n & Many others in ${_CY}PreferenceBundles${_RS},
```

```

${CY}${NL}Frameworks${RS}, ${BK}${CY}WeeAppPlugins${RS}, ${CY}PrivateFrameworks${RS}${NL}$(gap);
The script will sync all your icons to their proper destination on condition that:${NL}$(gap)\n ${RD}A/${RS}They
${WH}ALSO$(repeat 5 echo -ne ${BK}) EXIST${RS} in destination ${MG}folder${CY}/${MG}subfolder\t${NL}${RS}.i.e
${BL}${AC}No new files created${NL}$(gap)\n ${RD}B/${RS}They have ${WH}DIFFERENT${MG} Modification Date
${BK}${CY}& ${BK}${MG}Size \t${NL}${RS}.i.e ${BL}${AC}No repeat sync${NL}$(gap)\n ${RS}Application updates
change all modification ${NL}dates; icons are then re-synced${NL}$(gap)\n ${YL}This makes it possible to manually
theme ${NL}iDevice ${CY}easily ${YL}and ${CY}without ${YL}WinterBoard\n ${YL}${AC}Getting rid of WinterBoard can
speed up ${NL}iDevices performance noticeably$(liner)\n ${RS}---${RD}${4LINE}$(repeat 7 printf
"\b")${RS}HIT${RD}-${WH}ENTER${RD}-${RS}TO${RD}-${RS}CONTINUE${RD}${4LINE}$(repeat 3 printf
"\b")${RS}---$(liner)\n"
#-----
function sfix { notab echo -e "\n ${MG}+${RS})${BL}png${RS} ${NL}
${MG}#${RS})${BL}jpg${RS}-${BL}gif${RS}-${BL}tiff${RS}-${BL}psd${RS} ${NL}
${MG}*${RS})${BL}plist${RS}-${BL}strings${RS}-${BL}nib${RS} ${NL} ${MG}~${RS})${BL}~iphone${RS} ${NL}
${CY}i5™${RS})${BL}568h${RS}"; }
function bname() { "$@"|sed -e 's:%%:' -e 's:ipod.:ipod-' -e 's:::g' -e 's:\([_].*\)\(Pro\)\.app:.app:' -e
's:\(com\.|libactivator\.|erence\.|\.webplugin|rame|uration|tachmen|sista|istration|ting|ervi|ication|Plus|
Universal|(\.\.)*Toggle|(\.\.)*Bundle|.iPhone|\.|{4}\-|. {4}\-|. {12}\)::gl' -e
's:\([_].*\)\(.*\)\(.*\):|1|2|3:' -e 's/\(.\{10}\)\.*/(\.*/1|2|3/'; }
function shortpath() { "$@"|sed -e 's:^.*%:' -e 's:.iphone\.png%~:' -e 's:\.(jpg|gif|psd|tiff):%#:' -e
's:\.(plist|nib|strings):%*:' -e 's:\.(html|css|xml):%^:' -e 's:\-568h\(@2x\)*:=' -e 's/\(.\{13}\)\.*/(\.*/1|2|3/|sort
-f|awk -F '%' '{printf "\033[34m%05d\033[35m%.1s\033[0m%-18.18s\n",NR,$2,$1}';|sed -e's/\[34m../[34m/' -e
"s:=-$(cyan)i5™:g|pa2ste|noindentd sed 's/^/ /'; }
#-----
function exitxt() { txt;exit; };find /tmp/ -iname rm* |& while read bb;do cat "$bb" >> ${LOGS}/log.previous.log ;rm -f
"$bb";done;cleanup;clear
#----- Error if not logged in as 'root' -----
[ $(id -u) != 0 ] && exec echo -e "${RD}\n\n ***** ${WH}sorry${RD} ****${WH} you are not 'root' ${RD}*****
${WH}exit${RD} *****\n\n${RS}" && exitxt
#-----
repeat 5 dot
#-----
##### 6 50 90 102 63 100 56 #####
#-----
#----- Carrier bundles - Removes all except ((( AT&T , Unknown , CarrierLab , French & Czech ))) bundles -----
#-----
liner ; cleanup ; _RMCB="Y"
notab echo -ne "\n ${RD}Searching for ${WH}Carrier Bundles${RD} to remove${RS} " ; etcn
if grep -q '^_XSIM' ${LOGS}/rm.logxcept.log 2>/dev/null ; then
notab echo -ne "\n ${RS}Some ${LS})${YL}Carrier Bundles${RS} have already been removed ${YL}:: ${NL}${WH}Remove
some more ${RS}"; etc ; yn ; answer ; print_yn ; if [[ "$ii" = Y ]] ; then _RMCB="Y"
else _RMCB="N" ; notab echo -e "\n ${MG}Cancelling ${WH}Carrier Bundles${MG} search " ; fi ; fi
if [[ "$_RMCB" = Y ]] ; then blank
if grep -q '^_XSIM' ${LOGS}/rm.logxcept.log 2>/dev/null ; then
notab echo -ne "\n ${RS})${GR}0${RS})${WH}REAPPLY ${RS}previous ${RD}Carrier Bundle${RS} exceptions${BL} or\n
${RS})${RD}1${RS})${WH}DISCARD ${RS}exceptions ${BL}&${RS} find ${WH}all${RD} Carrier Bundles ${RS}"; etc ; oi ;
zanswer
print_oi ; sleep 1 ; if [[ "$ff" = 0 ]] ; then
_XSIM="$ (grep '^_XSIM' ${LOGS}/rm.logxcept.log 2>/dev/null | tr '|' '\n' | sed -e 's:^:\<:' -e 's:$:\>:' | grep -v '_XSIM' | tr
'\n' '|')"; fi ; fi
notab echo -e "\n ${CY}Listing ${WH}CARRIERS ${CY}first ${RS}::${CY} then ${WH}BUNDLES ${RS}\n"
find "/System/Library/Carrier Bundles" -iname *.bundle -type d | grep -Evw "${_XSIM}_XSIM" | grep -Ev
'ATT_US|Unknown|CarrierLab|OQCFactorYUMTS' | tee -a /tmp/tf.logrm.log | sed -e 's:.,*,/,' -e 's:.bundle::' | cat -n | sed
's:^[\t]*\([0-9]*\)[\t]*: \1:g' | tee -a /tmp/tf.logcarrier.log | sed -e 's: [0-9][0-9]*[0-9]*::' -e 's:_.*:.' | tr 'a-z' 'A-Z' | sort -fu
| tee -a /tmp/tf.carriers.log | awk '{printf "\033[31m%03d\033[0m%-10.10s\n",NR,$1}' | pa4ste | sed 's:^:.'
if [ -s /tmp/tf.logrm.log ] ; then
notab echo -ne "\n ${YL}You can ${WH}edit${YL} the list to keep ${WH}selected${YL} Carrier Bundles ${RS}"; etcn
notab echo -ne " Do you want to ${CY}EDIT${RS} the ${WH}Carrier Bundle${RS} removal list ${NL}"; etc ; yn ; answer ;
print_yn ; if [[ "$ii" = Y ]] ; then
notab echo -ne "\033[1A ${RD}DEFINE EXCEPTIONS ${RS}:: First select the ${WH}Carriers${RS} :: then edit the
${WH}Bundles${RS} list\n Enter ${CY}number${RS})( ${CY}${BK}s${RS})${BK}${RS} ${RS}separated by a ${WH}single
space ${RS}& hit [ ${MG}RETURN${RS})${YL}\n\n " ; txt && read _CARRIER ; if [[ $_CARRIER = "" ]] ; then notab printf
"\033[1A\033[1A\033[1A"; blank ; notab echo -e "\n No selections"
else for _CR in $_CARRIER ; do rm -f /tmp/tf.tmp_sim*.log ; bliner
notab echo -e "\n ${MG}CARRIER${RS}: ${BL}$(sed -n "${_CR}p" /tmp/tf.carriers.log)\n"
grep -Ei "$(sed -n "${_CR}p" /tmp/tf.carriers.log)" /tmp/tf.logcarrier.log | sed 's:\([ [0-9][0-9]*[0-9]*\)[a-zA-Z0-9]*_\(.*)\:\1
\2:' | tr 'a-z' 'A-Z' |& while read _CRC ; do
echo $_SIMS | tr '_' '\n' | grep -Ei "^$(echo $_CRC) | sed 's:^.*\(\ |_\):)\|'" | sed "s:^.*:$(echo $_CRC | grep -o

```

```

[a-zA-Z0-9]*_):" | sed -e "s:^:${_CRC%*}:" >> /tmp/tf.tmp_sim.log ; done
if (( "$wc -l < /tmp/tf.tmp_sim.log" == "1" )) ; then notab echo -ne "${_RD}Take this ${_WH}Carrier ${_RS}off the Removal
List " ; etc ; yn ; answer ; print_yn ; if [[ "$Sii" = Y ]] ; then
notab echo -e "\033[1A$(blank) ${_RS}][${_CY}✓${_RS}] MARKED for ${_YL}KEEPING" ; cat /tmp/tf.tmp_sim.log >>
/tmp/tf.tmp_XKEEP_sim.log ; else printf "\033[1A" ; fi ; else
cat /tmp/tf.tmp_sim.log | tee /tmp/tf.tmp_sim_all.log | sed 's:^[0-9]*::g' | tr 'a-z' '%A-Z' | cat -n | awk '{printf
"\033[36m%02d\033[0m%-16.16s\n",$1,$2}' | tr '%' ' ' | pa2ste | sed -e 's:^\:;' ; _TLOG="tmp_sim" ; editlist
_PRINTT="$sed 's:^[0-9]*::g' /tmp/tf.tmp_sim.log | tr 'a-z' '%A-Z' | cat -n | awk '{printf
"\033[36m%02d\033[0m%-16.16s\n",$1,$2}' | tr '%' ' ' | pa2ste | sed 's:/ /' ; printf "\033[1A)" ; editprint
grep -Ev "(cat /tmp/tf.tmp_sim.log) /tmp/tf.tmp_sim_all.log >> /tmp/tf.tmp_XKEEP_sim.log ; fi
done ; fi ; _SIMKEEP=$(awk '{printf "%sp;",$1}' /tmp/tf.tmp_XKEEP_sim.log 2>/dev/null | sed 's/;/;/')" ; fi
sed -n "${_SIMKEEP}" /tmp/tf.logrm.log > /tmp/tf.carrierkeep.log
grep -Ev "_SIMKEEP$(cat /tmp/tf.carrierkeep.log 2>/dev/null)" /tmp/tf.logrm.log >> /tmp/rm.carrier.log
cat /tmp/rm.carrier.log > /tmp/tf.logrm.log ; bliner
notab echo -e "\n ${_CY}Found ${_RS}&${_CY} logged [${_RS}$(icount)${_CY}] ${_WH}Carrier Bundles${_CY} to remove"
cat /tmp/tf.carrierkeep.log 2>/dev/null | sed -e 's:.,*/,' -e 's:\.*/:' > /tmp/tf.1.log
grep '^_XSIM' ${_LOGS}/rm.logxcept.log 2>/dev/null | sed 's:|:|n:g' | grep -v -e '_XSIM' >> /tmp/tf.1.log
sort -fu /tmp/tf.1.log | sed -e 's:|:|:' | tr -d '\n' | sed -e 's:^\:|_XSIM|:' -e 's:|:|n:' > /tmp/tf.2.log
grep -v '^_XSIM' ${_LOGS}/rm.logxcept.log 2>/dev/null >> /tmp/tf.2.log
cat /tmp/tf.2.log > ${_LOGS}/rm.logxcept.log
notab echo -ne "\n ${_RD}Save ${_WH}Carrier Bundles${_RD} Remove-list to
${_MG}mobile${_RD}:${_MG}Documents${_RD}:${_MG}Logs ${_RS}" ; etc ; yn ; answer
print_yn ; if [[ "$Sii" = Y ]] ; then cat /tmp/rm.carrier.log > ${_LOGS}/rm.carrier.log ; fi ; else
notab echo -ne "\n ${_RS}Found no ${_CY}Carrier Bundles${_RS} to remove" ; etcn ; fi ; fi
#-----
#----- TextInput bundle removal ; default rm all except: english, japanese (emoji) -----
#-----
liners ; cleanup
notab echo -ne "\n ${_RD}Searching for unused ${_WH}TextInput${_RD} bundles ${_RS}" ; etcn
if [[ $(grep '^_XLANG' ${_LOGS}/rm.logxcept.log 2>/dev/null) ]] ; then
notab echo -ne "\n ${_CY}A previous ${_WH}exclusions logfile ${_CY}was found " ; cutxt "on yr iDevice ${_RS}" ; etcn
notab echo -ne "\n ${_GR}RE-USE${_RS}][${_GR}0${_RS}][${_WH}old ${_RS}file ${_BL}or\n
${_RD}DEFINE${_RS}][${_RD}1${_RS}][${_WH}new ${_RS}file ${_AB}.${_SP}" ; cutxt '.....' ; etc ; oi ; zanswer
print_oi ; sleep 1 ; if [[ "$Sff" = 1 ]] ; then
grep -v '^_XLANG' ${_LOGS}/rm.logxcept.log > /tmp/tf.x2.log
cat /tmp/tf.x2.log > ${_LOGS}/rm.logxcept.log ; fi ; fi
if [[ ! $(grep '^_XLANG' ${_LOGS}/rm.logxcept.log 2>/dev/null) ]] ; then
notab echo -ne "\n ${_RS}First enter ${_CY}TextInput Language${_RS}(${_CY}${_BK}s${_RS})${_BK}${_RS} to
${_WH}exclude${_RS}$(cutxt ' from search'), ${_NL}${_RS}Separated by a ${_WH}single space ${_RS}& hit
[${_MG}ENTER${_RS}][${_YL}\n\n " ; txt && read _XCLUDE
for X1 in $_XCLUDE ; do
while [[ ! $(echo ${_LCODES} | sed -e 's:%:|n:g' | grep -iw "^${X1}") ]] ; do
notab echo -ne "\n ${_WH}${X1} ${_RD}is not a known ${_WH}Keyboard Language${_RS} ... \n\n ${_RS}Type it again or leave
empty to escape & hit [${_CY}ENTER${_RS}] ${_YL}" ; txt && read X1
if [[ ! $X1 ]] ; then break ; fi ; done
echo $_LCODES | sed -e 's:%:|n:g' | grep -iw "^${X1}" >> /tmp/tf.tmp.log ; done
sed 's:^\:|:' /tmp/tf.tmp.log | tr -d '\n' | sed -e 's:^\:_XLANG:' -e 's:|:|n:' >> ${_LOGS}/rm.logxcept.log
notxt ; fi ; echo
_XCLTXT=$(grep '^_XLANG' ${_LOGS}/rm.logxcept.log 2>/dev/null | tr '|' '\n' | grep '^[a-z]{2}$' | tr '\n' '|' | sed -e
's:|:|\.bundle|:g')
find ${_SYSLIB}/TextInput -iname '*.bundle' -type d | grep -Eiv "${_XCLTXT}_en|.emoji" > /tmp/tf.logrm.log
echo $_LCODES | sed 's:%:|n:g' | grep -Eiw "$(sed -e 's:(^\.*_)\.bundle|:g' -e 's:^\:|<:g' -e 's:|:|>:' /tmp/tf.logrm.log)" |
awk -F '|' '{printf "%s\n",$1}' | sort | tee /tmp/tf.txtinput.log | awk '{printf "\033[36m%02d\033[0m%-10s\n",NR,$1}' |
pa3ste
if [ -s /tmp/tf.txtinput.log ] ; then _TLOG="txtinput" ; editlist ; _PRINT=$(awk '{printf "
\033[36m%02d\033[0m%-10s\n",NR,$1}' /tmp/tf.txtinput.log | pa3ste
printf "\033[1A\033[1A)" ; editprint ; _XCPT="LANG" ; logxlang
_XCLTXT2=$(grep '^_XLANG' ${_LOGS}/rm.logxcept.log 2>/dev/null | tr '|' '\n' | grep '^[a-z]{2}$' | tr '\n' '|' | sed -e
's:|:|\.bundle|:g' -e 's:|:|:')
grep -Fw "${_XCLTXT2}" /tmp/tf.logrm.log | tee /tmp/tf.logtmp.log > /tmp/rm.txinput.log
cat /tmp/tf.logtmp.log > /tmp/tf.logrm.log
notab echo -e "\n$(blank) ${_CY}Found ${_RS}&${_CY} logged [${_RS}$(icount)${_CY}] ${_WH}TextInput${_CY} bundles in
iDevice"
else notab echo -e " ${_BL}Found no ${_WH}TextInput${_BL} bundles to remove" ; fi
#-----
#----- Remove unnecessary keyboard layouts -----
#-----
liners ; cleanup

```

```

_iKB='KeyboardLayouts/USBKeyboardLayouts.bundle/uchrs Frameworks/UIKit.framework'
notab echo -ne "\n ${_RD}Searching for unused ${_WH}Keyboard Layouts${_RD} " ; cutxt "to remove${_RS} " ; etcn
if [[ ! $(grep '^_XLANG' ${_LOGS}/rm.logxcept.log 2>/dev/null) ]] ; then
notab echo -ne "\n\n ${_RS}First enter ${_CY}Keyboard Language${_RS}(${_CY}${_BK}s${_RS})${_BK}${_RS} to
${_WH}exclude${_RS} from search, ${_NL}${_RS}separated by a ${_WH}single space ${_RS}& hit
[${_MG}ENTER${_RS}]${_YL}\n\n " ; txt && read _YCLUDE
for Y1 in $_YCLUDE ; do
while [[ ! $(echo ${_LCODES} | sed -e 's:%:\n:g' | grep -i "^${Y1}") ]] ; do
notab echo -ne "\n ${_WH}${Y1} ${_RD}is not a known ${_WH}Keyboard Language${_RS} ... \n\n ${_RS}Type it again or leave
empty to escape & hit [${_CY}ENTER${_RS}] ${_YL}" ; txt && read Y1
if [[ ! ${Y1} ]] ; then break ; fi ; done
echo ${_LCODES} | sed -e 's:%:\n:g' | grep -iw "^${Y1}" | tr '\n' ' ' >> /tmp/tf.tmp.log ; done ; notxt
cat /tmp/tf.tmp.log 2>/dev/null | sed 's:^:(grep '^_XLANG' ${_LOGS}/rm.logxcept.log 2>/dev/null):' | sed -e
's:\([A-Z][^)]*\):\n\1:g' -e 's:|:|' | grep -v '^_XLANG' | sort -u | tr '\n' ' ' | sed 's:^:_XLANG|:' >> /tmp/tf.tmp1.log
grep -v '^_XLANG' ${_LOGS}/rm.logxcept.log | sed 's:^:\n:' 2>/dev/null >> /tmp/tf.tmp1.log
grep ' ' /tmp/tf.tmp1.log > ${_LOGS}/rm.logxcept.log && rm -f /tmp/tf.tmp*.log ; fi
_XCL="$ (grep '^_XLANG' ${_LOGS}/rm.logxcept.log 2>/dev/null | tr '|' '\n' | sed -e 's:\^([a-z]*):\1\\.plist:' | grep -v
'_XLANG' | tr '\n' '|')
for E in $_iKB ; do cleanup ; function fn() { printf "Library/${E}" ; }
find ${_SYSLIB}/${E} -type f | grep -E 'Keyboard-|\.kbstar|\.uchr' | grep -Eiv
"${_XCL}Common|default|English|emoji|intl|5Row|Latin|Control|NumberPads|Dvorak|UnicodeHexInput|US|.uchr|USExtended
|USInternationalPC|USBKeyboardLayouts|.plist|en\_US|Info|.plist|en|.plist|\-chr" >> /tmp/tf.logrm.log
if [ -s /tmp/tf.logrm.log ] ; then echo
if grep -q 'uchr' /tmp/tf.logrm.log ; then
sed -e 's:*,,,' -e 's:\.(\.*)/' -e 's/\^(\(2Set\)*[A-Z]{1}[a-z][a-z]*\)\([A-Z]{1}\.*)\1/' /tmp/tf.logrm.log | sort -fu | tee
-a /tmp/tf.uchr.log | awk '{printf "\033[36m%02d\033[0m%-10s\n",NR,$1}' | pa3ste | noindentd sed 's/^/ /'
_TLOG="uchr" ; editlist ; _PRINT=$(awk '{printf "\033[36m%02d\033[0m%-10s\n",NR,$1}' /tmp/tf.uchr.log 2>/dev/null |
pa3ste | noindentd sed 's/^/ /')
editprint ; _XCPT="LANG" ; logxlang
grep -E "$(sed 's:^:/g' /tmp/tf.uchr.log 2>/dev/null)" /tmp/tf.logrm.log >> /tmp/rm.keyboard.log ; cat
/tmp/rm.keyboard.log 2>/dev/null > /tmp/tf.logrm.log ; _iLCount="$(wc -l < /tmp/tf.uchr.log)"
else sed -e 's:*,,,' -e 's:\.(\.*):' -e 's:\(Keyboard-|\-iPhone|\-iPad\):g' /tmp/tf.logrm.log > /tmp/tf.keyboards.log
echo ${_LCODES} | sed 's:%:\n:g' | grep -Ei "$(cat /tmp/tf.keyboards.log | sed -e
's:\(en|\fr|\de|\es\)\([_-]\)\([a-zA-Z0-9]*\):\2\3:g' -e 's:\([a-zA-Z]{2}\([_-]\).*\1:g' -e 's:[-]:0:g' -e 's:\^:\<:' -e 's:|\>:'
| uniq) | awk -F '|' '{printf "%s\n", $1}' | tee /tmp/tf.logtmp.log | awk '{printf "\033[36m%02d\033[0m%-10s\n",NR,$1}' |
pa3ste | noindentd sed 's/^/ /'
_TLOG="logtmp" ; editlist ; _PRINT=$(awk '{printf "\033[36m%02d\033[0m%-10s\n",NR,$1}' /tmp/tf.logtmp.log
2>/dev/null | pa3ste | noindentd sed 's/^/ /')
editprint ; _XCPT="LANG" ; logxlang
grep -Ei "$(echo ${_LCODES} | sed -e 's:%:\n:g' | grep -Ei "$(cat /tmp/tf.logtmp.log 2>/dev/null)" | sed -e 's:[a-zA-Z]*|:g'
-e 's:0\([a-zA-Z4]\):[-]\1:g' -e 's:|*%:\.plist:g')" /tmp/tf.logrm.log | tee /tmp/tf.logrm2.log >> /tmp/rm.keyboard.log
cat /tmp/tf.logrm2.log 2>/dev/null > /tmp/tf.logrm.log ; _iLCount="$(wc -l < /tmp/tf.logtmp.log)" ; fi
notab echo -ne "\n ${_RD}Found ${_RS}&${_RD} logged ${_RD} ${_WH}$(icount | sed -e 's:$(red) $(magenta)Keyboard
Layouts:" -e '/^\<[\>\<1\>\<1\>\<1\>\>/s/Layouts/Layout/)'${_RD} $(allcaps 'f)or total ${_RD} ${_WH} ${_iLCount} ${_RD}
${_MG}distinct languages${_RD} in${_NL} ${_WH} $(hobble shortd fn)\n" | sed -e 's:\.bund\(\le\)*:~' -e
'/[\^0-9]1[\^0-9]/s/languages/language/' -e 's:/:$(red)\:$(white):g"
else notab echo -e "\n ${_BL}No unused ${_RS} ${_AM}Keyboard Layouts ${_BL}in ${_NL} ${_WH}System ${_RD} : ${_WH} $(hobble
shortd fn)" | sed -e 's:\.bund\(\le\)*:~' -e 's:/:$(red)\:$(white):g"
fi ; done
#-----
#----- Remove AdSheet Demo FieldTest GameCenter Diagnostics Setup Stocks MobileStore apps -----
#-----
liner ; cleanup ; notab echo -ne "\n ${_RD}Searching for ${_WH}Stock Applications${_RD}" ; cutxt "to remove${_RS} " ; etcn
_APP2RM="AdSheet DemoApp FieldTest Game iOS MobileStore Nike Setup Stocks"
_COUNT=0
_XREM="$(grep '^_XREM' ${_LOGS}/rm.logxcept.log 2>/dev/null | sed -e 's:_XREM|:)"
_XKEEP="$(grep '^_XKEEP' ${_LOGS}/rm.logxcept.log 2>/dev/null | sed 's:^_XKEEP|:' | tr '|' '\n' | grep -Ew "${_XREM}" | tr
'\n' '|' | sed 's:|:~)"
for E in $_APP2RM ; do
if [[ -e $(find ${_STAPPS} -maxdepth 2 | grep -E "${E}.*.app/${E}[\^].*$") ]] ; then
if [[ $(echo $_XKEEP | grep -Eo "${E}") ]] ; then
appname printf "\n ${_LS} ${_MG}Remove existing '${_RD}PROTECTED${_MG}' status of '${_WH} ${E} ${_RS}.app${_MG}' ${_RS} " ;
etc ; yn ; answer ; print_yn ; bottom
if [[ "$ii" = Y ]] ; then blank ; printf "\033[1A" ; _XKEEP="$(printf $_XKEEP | tr '|' '\n' | grep -v "${E}" | sort -fu | tr '\n' '|' |
sed 's:|:~)" ; fi ; _XKEEP="$(xkeep)" ; fi
if [[ $(echo $_XREM | grep -Eo "${E}") ]] ; then
appname printf "\n ${_MG}Already marked '${_RS} ${E} ${_MG}' for removal ${_RS}" ; etcn ; sleep 1 ; blank ; bottom
ii="Y" ; elif [[ ! $(echo $_XKEEP | grep -Eo "${E}") ]] ; then printf "\n" ; bottom

```

```

notab appname printf "${LS}${YL}Remove: ${WH}${E}${YL}.app ${RS}"; etc; yn; answer; print_yn; fi
if [[ "$ii" = N ]]; then appname echo -ne "\033[1A$(blank) ${LS}${CY}Skipping ${WH}${E}${RS}.app\n"; sleep 1
_XKEEP=$(xkeep)
elif [[ "$ii" = Y ]]; then let _COUNT++; _XREM=$(xrem)
appname echo -ne "\033[1A$(blank) ${LS}${CY}Marking ${WH}${E}${RS}.app\n"
if [[ "${E}" = MobileStore ]]; then
find ${STAPPS}/${E}.app/ -mindepth 1 -maxdepth 1 2>/dev/null | grep -iv 'icon\|English\|Info' >> /tmp/tf.logrm.log
elif [[ "${E}" = Setup ]]; then echo "${STAPPS}/Setup.app" >> /tmp/tf.logrm.log
echo /System/Library/SetupAssistantBundles >> /tmp/tf.logrm.log
mkdir -p ${DOWNL}/Backup/LaunchDaemons
mv -f ${SYSLIB}/LaunchDaemons/com.apple.SpringBoard.SetupHelper.plist ${DOWNL}/Backup/LaunchDaemons/
2>/dev/null
else find ${STAPPS} -maxdepth 1 | grep -i "${E}" >> /tmp/tf.logrm.log; fi; fi; fi; done
if [ -s /tmp/tf.logrm.log ]; then cat /tmp/tf.logrm.log > /tmp/rm.apps.log; fi
grep -Ev '_XREM|_XKEEP' ${LOGS}/rm.logxcept.log 2>/dev/null > /tmp/tf.x1.log
echo "${XREM}" | tr '|' '\n' | sort -u | sed 's:^\(:\):_XREM\1:' -e 's:~:\n:' >> /tmp/tf.x1.log
echo "${XKEEP}" | tr '|' '\n' | sort -u | grep -Ew "${XREM}" | tr '\n' '|' | sed -e 's:^\([A-z]\):_XKEEP\1:' -e 's:~:\n:' >>
/tmp/tf.x1.log; grep '.' /tmp/tf.x1.log > ${LOGS}/rm.logxcept.log 2>/dev/null
if (( $_COUNT == 0 )); then notab echo -e "\033[1A$(blank) ${BL}Found no ${WH}Stock Applications ${BL}to remove";
else
notab echo -ne "\n ${BL}Marked [${RD}${COUNT}${BL}] stock applications for removal${RS}"; etcn; fi
#-----
#----- Remove AdSheet Braille GameKit Nike Victoria Setup Sports bundles -----
#-----
liner; cleanup; notab echo -ne "\n ${RD}Select ${WH}iOS bundles${RD} to mark for removal ${RS}"; etcn
_iNXS="AdSheet|iAd Braille|ScreenReader Game MobileMe Nike|VictoriaSettings Setup
SportsTrainer|SportsVoices|SportsWorkout Stocks Twitter"
_XREM=$(grep '^_XREM' ${LOGS}/rm.logxcept.log 2>/dev/null | sed -e 's:_XREM|::')
_XKEEP=$(grep '^_XKEEP' ${LOGS}/rm.logxcept.log 2>/dev/null | sed 's:^\_XKEEP|::' | tr '|' '\n' | grep -Ew "$_XREM" | tr '\n'
'|' | sed 's:~::~')
for E in $_iNXS; do cleanup
if [[ $(appname printf "${SYSLIB}/AccessibilityBundles/${E%}*}.axbundle" | sed -e 's:(Sports[a-zA-Z]*):\1Framework:' -e
's:(MobileMe):PublishTo\1:') ]]; then
if [[ $(appname echo "${E%}*" | grep -Eo "${XREM}") ]]; then echo
appname notab printf "${MG}Already marked ${RS}${E%}*${MG}' for removal ${RS}"; etcn; ii="Y"; sleep 1
else echo; bottom; appname notab echo -ne " ${YL}Remove '${RD}${E%}*${YL}' "; cutxt "bundles ${RS}"
etc; yn; answer; print_yn; blank; fi
if [[ "$ii" = N ]]; then _XKEEP=$(xkeep); appname notab echo -e "\033[1A$(blank) ${LS}${CY}Skipping
${WH}${E%}*${CY} bundles"; sleep 2
elif [[ "$ii" = Y ]]; then _XREM=$(xrem); bottom
appname notab printf "\033[1A$(blank) ${LS}${WH}Finding '${YL}${E%}*${WH}' bundles ${RS}"; etc; sleep 1
if [[ "${E}" = 'Game' || "${E}" = 'Twitter' ]]; then find $Path -iname "*${E}*" -type d | grep -Ev "Caches|${STAPPS}" >>
/tmp/tf.logrm.log
else find ${SYSLIB} -maxdepth 2 | grep -Ei "${E}" >> /tmp/tf.logrm.log
find /Library -maxdepth 2 | grep -Ei "${E}" >> /tmp/tf.logrm.log; fi
if [ -s /tmp/tf.logrm.log ]; then
appname notab echo -e "\r ${LS}${CY}Found ${RS}&${CY} logged [${WH}$(icount | sed -e 's:~:(cyan) $(white){E%|}*
$(cyan)bundles:" -e '/^\<[>\<1>\<1>\<1>\<1>\>/s/bundles/bundle/){RS}"
grep -Ei "${E}" /tmp/tf.logrm.log |& while read _LINE; do
notab printf "\n $(echo ${_LINE%*/} | sed -e 's:(\.[^/]*\| \):' -e 's:\/[\/]{6}\[^\][^]*\([^\]{1}\)\[^\]*:\1^\2:g' -e
's:~::~' -e 's:~:(red)\.:(nocolor):g')$(echo ${_LINE##*/} | sed 's:(\.[^.])([^\].)*$:\1^\2:g'); done
echo; cat /tmp/tf.logrm.log >> /tmp/rm.apps.log
else appname notab echo -e "(blank) ${LS}${BL}Found no ${RS}${E%}*${BL} bundles"; fi
else _XREM=$(xrem); fi; fi; done
grep -Ev '_XREM|_XKEEP' ${LOGS}/rm.logxcept.log 2>/dev/null > /tmp/tf.x1.log
xsub echo "${XREM}" | tr '|' '\n' | sort -u | sed 's:^\(:\):_XREM\1:' -e 's:~:\n:' >> /tmp/tf.x1.log
xsub echo "${XKEEP}" | tr '|' '\n' | sort -u | grep -Ew "${XREM}" | tr '\n' '|' | sed -e 's:^\([A-z]\):_XKEEP\1:' -e 's:~:\n:' >>
/tmp/tf.x1.log
grep '.' /tmp/tf.x1.log > ${LOGS}/rm.logxcept.log 2>/dev/null
#-----
#----- Removing selected Stock-Apps & Stock-iOS bundles -----
#-----
if [ -s /tmp/rm.apps.log ]; then bliner
cat /tmp/rm.apps.log > /tmp/tf.apps.log
_iNXS='AdSheet|iAd Braille|ScreenReader Game MobileMe Nike|VictoriaSettings Setup
SportsTrainer|SportsVoices|SportsWorkout Stocks Twitter'
_APP2RM='AdSheet DemoApp FieldTest Game iOS MobileStore Nike Setup Stocks'
_XREM=$(grep '^_XREM' ${LOGS}/rm.logxcept.log 2>/dev/null | sed 's:^\_XREM|::')

```

```

_AX=$(echo "$_INXS $_APP2RM" | tr ' ' '\n' | sed -e "s:\/(iAd):\1\nAdSheet:" -e "s:\/(ScreenReader):\1\nBraille:" -e
"s:\/(iOS):\1 Diagnostics:" -e "s:\/(Victoria)[A-z]*:\1\nNike:" -e "s:\/(Sports)\(Trainer\|Voices\|Workout):\1:" | sort -fu | tr
'\n' '|' | sed 's:|:$:')
notab echo -e "\n ${_RD}MARKED ${_RS}for ${_YL}REMOVAL${_RS}:\n"
grep -Eo "$_AX" /tmp/tf.apps.log | sort -fu | tee -a /tmp/tf.marked.log | awk '{printf "
\033[36m%02d\033[0m%-10s\n,NR,$1}' | sed -e "s:\/(Game):\1Kit \t\t$(nocolor)\[$(magenta)Game
Center$(nocolor)\]$(cyan):!" -e "s:\/(AdSheet\|iAd):AdSheet \t\t$(nocolor)\[$(magenta)Ad Bundles$(nocolor)\]$(cyan):!" -e
"s:\/(Braille\|ScreenReader):ScreenReader\t\t$(nocolor)\[$(magenta)Braille Kit$(nocolor)\]$(cyan):!" -e
"s:\/(Nike\|Victoria):Nike\t\t$(nocolor)\[$(magenta)&. Victoria$(nocolor)\]$(cyan):!" -e
"s:\/(FieldTest):\1\t\t$(nocolor)\[$(magenta)iBenchmarks$(nocolor)\]$(cyan):!" -e
"s:\/(Sports):\1\t\t$(nocolor)\[$(magenta)Trainer Kit$(nocolor)\]$(cyan):!" -e "s:\/(iOS):\1 iOS Diagnostics $(cyan):!"
_TLOG="marked" ; editlist
_XDEL=$(echo $_INXS | tr ' ' '\n' | grep -E "$_CC" | sed 's:|.*$::' |& while read E; do xsub echo $E; done | tr '\n' '|' | sed
's:|:$:')
_PRINTN=$(awk '{printf "\033[36m%02d\033[0m%-10s\n,NR,$1}' /tmp/tf.marked.log) ; editprint
grep '^_XREM' ${_LOGS}/rm.logxcept.log 2>/dev/null | sed 's:^_XREM|::' | tr '|' '\n' | grep -Ev "$_XDEL" | tr '\n' '|' | sed -e
's:^_XREM|:' -e 's:|:$:\n:' > /tmp/tf.x1.log
grep -v '^_XREM' ${_LOGS}/rm.logxcept.log 2>/dev/null >> /tmp/tf.x1.log
cat /tmp/tf.x1.log > ${_LOGS}/rm.logxcept.log
grep -Fi "$(cat /tmp/tf.marked.log)" /tmp/tf.apps.log > /tmp/rm.apps.log
if [ -s /tmp/rm.apps.log ] ; then
while read -r _LINE ; do rm -fr "$_LINE" ; done < /tmp/rm.apps.log
notab echo -ne "\n$(blank) ${_LS}${_BL}Removed marked ${_CY}Bundles ${_BL}&${_CY} Apps${_BL} from iDevice ${_RS}" ; etcn
; cat /tmp/rm.apps.log > /tmp/rm.removed.log ; rm /tmp/rm.apps.log ; fi ; fi
#-----
#----- Remove Nike & Twitter from Settings.plist -----
#-----
bliner ; cleanup
_PLISTW="Nike Twitter"
_XREM=$(grep '^_XREM' ${_LOGS}/rm.logxcept.log 2>/dev/null | sed 's:^_XREM|::')
for E in $_PLISTW ; do
if [[ $(echo $_XREM | grep -Eo "${E}") ]] ; then
if [[ "$E" = Twitter ]] ; then
rm -fr /private/var/mobile/Library/Twitter
mkdir -p ${_DOWNL}/Backup/LaunchDaemons
chown mobile:mobile ${_DOWNL}/Backup/LaunchDaemons
mv -f ${_SYSLIB}/LaunchDaemons/com.apple.twitterd.plist ${_DOWNL}/Backup/LaunchDaemons 2>/dev/null
fi ; _SETTINGS="${_STAPPS}/Preferences.app/Settings.plist"
notab echo -e "\n ${_RD}Removal of ${_WH}${E} ${_RD}bundles requires $(allcaps "m")odification of ${_WH}PLIST${_RD} &
${_WH}STRING${_RD} text\n"
if grep -q "${E^^}" ${_SETTINGS} 2>/dev/null ; then
plutil -convert xml1 ${_SETTINGS} > /dev/null
tr '\t' '%' < ${_SETTINGS} | sed -e 's:%<dict>+:g' -e 's:%</dict>:@:g' > /tmp/Settings1.plist && rm ${_SETTINGS}
tr '\n' '~' < /tmp/Settings1.plist > /tmp/Settings2.plist && rm /tmp/Settings1.plist
sed -e 's:~+[@+]${E^^}[@+]@:.' < /tmp/Settings2.plist > /tmp/Settings1.plist && rm /tmp/Settings2.plist
sed -e 's:+:%<dict>:g' -e 's:@:%</dict>:g' /tmp/Settings1.plist | tr '~' '\n' > /tmp/Settings2.plist && rm
/tmp/Settings1.plist
tr '% '\t' < /tmp/Settings2.plist > ${_SETTINGS} && rm /tmp/Settings2.plist
plutil -convert binary1 ${_SETTINGS} > /dev/null
chmod 664 ${_SETTINGS}
notab echo -e " ${_CY}Edited ${_WH}${E}${_CY} property list ${_WH}Settings${_RS}.plist${_CY} in
${_WH}Preferences${_RS}.app\n"
else notab echo -ne " ${_WH}${E} ${_CY}Property list ${_RS}& ${_CY}Localization pack ${_RS}${_AM}$(allcaps "h")ave
${_MG}already${_RS}${_AM} been edited\n" ; fi
#-----
#----- And from Localization pack -----
#-----
_STR="${_STAPPS}/Preferences.app/*.lproj/Settings*.strings"
for B in $_STR ; do
if grep -Eq "${E^^}" $B ; then
plutil -convert xml1 "$B" > /dev/null
grep -Eiv "${E^^}" < $B > /tmp/Settings.strings && rm $B
cat /tmp/Settings.strings > $B
plutil -convert binary1 $B > /dev/null
chmod 664 $B ; fi ; done
if [ -s /tmp/Settings.strings ] ; then
_LANG=$(echo $_LCODES | sed -e 's:%:\n:g' | grep -Eiv "$(dirname "$B" | sed -e 's:^\./:.' -e 's:/\./:/' -e 's:[-_]:0' -e
's:en(0):\1:' -e 's:\/([a-z]{2}\0)[A-Z]{2}\::\1:')" | awk -F '|' '{printf "%s", $1}')
```



```

notab echo -e " ${_CY}Edited ${_WH}${E} ${_CY}localization strings ${_NL}${_WH}$(basename "$B" | sed
"s:\(\\~iphone\\)*\\(\\.\\.):\\\$${_RS}\\1\2:") ${_CY}in ${_WH}Preferences${_RS}.app\n"
notab echo -ne " ${_BL}${E}${_RS} settings have been removed ${_RS}" ; etcn
rm /tmp/Settings.strings ; fi ; fi ; done
#-----
#----- Modify PLIST in BulletinBoard.framework & com.apple.springboard to reflect removed bundles -----
#-----
cleanup
_PLISTX="Stocks Game"
_XREM=$(grep '^_XREM' ${_LOGS}/rm.logxcept.log 2>/dev/null | sed 's:^_XREM|:')
for E in $_PLISTX ; do
if [[ $(printf "$_XREM" | grep -o "${E}") ]] ; then bliner
_BLTFRW="${_SYSLIB}/PrivateFrameworks/BulletinBoard.framework"
_BPLIST="DefaultSectionOrder DefaultEnabledWeeApps"
if [[ -e $_BLTFRW ]] ; then notab echo -e "\n ${_RD}Removal of ${_WH}${E} ${_RD}bundles requires $(allcaps "m")odification
of ${_WH}BulletinBoard ${_RD}plist"
for P in $_BPLIST ; do
function fn() { echo "System/Library/BulletinBoard/$P";}
if grep -iq "${E}" ${_BLTFRW}/${P}.plist 2>/dev/null ; then
plutil -convert xml1 ${_BLTFRW}/${P}.plist > /dev/null
grep -Eiv "${E}" ${_BLTFRW}/${P}.plist > /tmp/${P}.txt && rm ${_BLTFRW}/${P}.plist 2>/dev/null
cat /tmp/${P}.txt > ${_BLTFRW}/${P}.plist && rm /tmp/${P}.txt 2>/dev/null
plutil -convert binary1 ${_BLTFRW}/${P}.plist > /dev/null 2>/dev/null
chmod 664 ${_BLTFRW}/${P}.plist 2>/dev/null
notab echo -ne "\n ${_CY}Edited ${_RS}$(hobble shortd fn) | sed -e "s:/:$(red)\:$(nocolor):g" -e "s:\(Default*\):$(white)\1:"
; cutxt "${_RS}.plist" ; printf "\n" ; else
notab echo -ne "\n ${_CY}The file ${_RS}$(hobble shortd fn) | sed -e "s:/:$(red)\:$(nocolor):g" -e "s:\(Default*\):$(white)\1:"
; cutxt "${_RS}.plist" ; printf "${_CY}${_AM}$(allcaps "h")as already been edited\n" ; fi ; done ; fi ; fi ; done
if [[ $(printf "$_XREM" | grep -o "Game") ]] ; then bliner
notab printf "\n ${_RD}Removal of ${_WH}${E} ${_RD}bundles also requires $(allcaps "m")odification of ${_WH}SpringBoard
${_RD}Pref" ; cutxt "erence" ; echo -e "${_RD}s\n"
_PREFSB="${_MOBILE}/Library/Preferences/com.apple.springboard.plist"
function fn() { echo -e "mobile/Library/Preferences/com.apple.springboard" ; }
if grep -iq "Game" ${_PREFSB} ; then
plutil -convert xml1 ${_PREFSB} > /dev/null
grep -Eiv "${E}" ${_PREFSB} > /tmp/springboard.txt && rm ${_PREFSB} 2>/dev/null
cat /tmp/springboard.txt > ${_PREFSB} && rm /tmp/springboard.txt 2>/dev/null
plutil -convert binary1 ${_PREFSB} > /dev/null
chmod 664 ${_PREFSB} 2>/dev/null
notab echo -ne " ${_CY}Edited ${_WH}$(hobble shortd fn | sed "s:/:\${_RD}:\:\${_WH}:g")$(cutxt "${_RS}.plist")\n" ; else
notab printf " ${_CY}The file ${_WH}$(hobble shortd fn | sed "s:/:\${_RD}:\:\${_WH}:g") ; cutxt "${_RS}.plist" ; printf
"${_CY}${_AM}$(allcaps "h")as already been edited\n" ; fi ; fi
#-----
#----- Remove 'StaticBookmarks' from MobileSafari.app ((( except: 'en_US','cs_CZ','fr_FR' ))) -----
#-----
cleanup
_XBOOK=$(grep '^_XLANG' ${_LOGS}/rm.logxcept.log 2>/dev/null | tr '|' '\n' | grep '^([a-zA-Z]){2}$' | tr '\n' '|' | sed
's:\([a-zA-Z]{2}\):_1:g')
find ${_STAPPS}/MobileSafari.app -type f | grep 'StaticBookmarks' | grep -Eiv "${_XBOOK}en_GB|en_US" >> /tmp/tf.logrm.log
if [ -s /tmp/tf.logrm.log ] ; then
bliner ; notab echo -ne "\n ${_BL}Found ${_RS}&${_BL} logged [${_RS}$(icount | sed -e "s:.$:\${_BL})]
\\${_WH}StaticBookmarks." -e '/^<[><1>><]>/s/marks/mark/)'${_BL} in ${_NL}${_CY}MobileSafari
${_BL}application\n"
cat /tmp/tf.logrm.log >> /tmp/rm.extra.log ; fi
#-----
#----- Remove unused LinguisticData -----
#-----
liner ; cleanup ; notab echo -ne "\n ${_RD}Searching for ${_WH}Linguistic Data${_RD}" bundles ; cutxt " to remove${_RS}" ;
etcn
declare -A _LDATA
_LDATA[Cyrl]='Cyrillic' _LDATA[de]='German' _LDATA[es]='Spanish' _LDATA[fr]='French' _LDATA[it]='Italian'
_LDATA[nl]='Dutch' _LDATA[ru]='Russian' _LDATA[zh]='Chinese'
_iDIR="/System/Library/LinguisticData"
_XLANG=$(grep '^_XLANG' ${_LOGS}/rm.logxcept.log 2>/dev/null | tr '|' '\n' | grep '^([a-zA-Z]){2}$' | tr '\n' '|' | sed
's:\(\\)*$:\1en:')
if [[ $(find "$_iDIR/" -type d 2>/dev/null | grep -E "(echo ${_LDATA[@]} | sed 's: |:|g') | grep -Ewv "$_XLANG") ]] ; then
bottom ; notab echo -ne "\n ${_WH}Select ${_CY}Linguistic Data ${_WH} for removal ${_RS}" ; etcn
for E in $(echo ${_LDATA[@]} | tr ' ' '\n' | grep -Ev "$_XLANG") ; do

```

```

if [[ -e "$_iDIR/$E" ]] ; then blank
bottom ; notab printf "\r $_BL}Remove ${_RS}${_LDATA[$E]} $_BL}Linguistic Data${_RS} " ; etc ; yn ; answer ; print_yn
if [[ "$ii" = Y ]] ; then echo "$_iDIR/$E" >> /tmp/tf.logrm.log
blank ; notab echo -ne "\033[1A$(blank) $_RD}Marking ${_RS}${_LDATA[$E]} $_RD}for removal" ; sleep 1
else blank ; notab echo -ne "\033[1A$(blank) $_MG}Keeping ${_RS}${_LDATA[$E]}" ; sleep 1 ; fi ; fi ; done ; fi
if [ -s /tmp/tf.logrm.log ] ; then
notab echo -e "\r $_RD}Found ${_RS}&${_RD} logged [${_RS}$(icount | sed -e "s:~::~\$_RD}\ \$_MG}Linguistic Data
\$_RD}files:" -e '/^\<[\>\<1\>\<]\>/s/files/file/)'$_RS}\n"
cat /tmp/tf.logrm.log | tee -a /tmp/rm.extra.log | sed -e 's,*,*,,|& while read _DATA ; do
echo -e "$_LDATA[$_DATA]\n" | tr '\n' ' ' | sed -e 's:~::~\$_RD} ; printf "\n" ; done ;
else blank ; notab echo -ne " $_CY}No $_WH}Linguistic Data$_CY} bundles to remove \n" ; fi
#-----
#----- Remove all images with 'Shadow' in SpringBoard.app -----
#-----
cleanup
find $_SYSLIB}/CoreServices/SpringBoard.app -type f -iname *shadow* >> /tmp/tf.logrm.log
if [ -s /tmp/tf.logrm.log ] ; then bliner ; notab echo -ne "\n $_WH}Searching for images with '$_CY}Shadow$_WH}' in the
$_CY}SpringBoard$_WH} app $_RS}" ; etcn
notab echo -ne "\n Their purpose is cosmetic, but they can slow the SpringBoard\n\n $_RD}Remove [$_WH}$(icount | sed
-e "s:~::~\$_RD}\ \$_WH}Shadow\$_RD} images:" -e '/^\<[\>\<1\>\<]\>/s/ages/age/)' found in
$_MG}SpringBoard$_RD}.app $_RS}" ; etc ; yn ; answer ; print_yn
if [[ "$ii" = Y ]] ; then while read -r _LINE ; do rm -fr "$_LINE" ; done < /tmp/tf.logrm.log
notab echo -ne "\n $_RD}DONE [$_RS]√$_RD})$_CY} $(icount | sed -e "s:~::~\$_WH}Shadow\$_CY}' images:" -e
'/^\<[\>\<1\>\<]\>/s/ages/age/' -e 's:[0-9]* ::) removed from $_WH}SpringBoard$_CY}.app\n" ; else
notab echo -ne "\n $_CY}No $_BL}'$_WH}Shadow$_BL}' $_CY}images were removed$_RS}" ; etcn ; fi ; fi
#-----
#----- Move FONTS to other partition & free up space on system partition -----
#-----
if [[ ! -L $_SYSLIB}/Fonts ]] ; then
cp -R -p $_SYSLIB}/Fonts $_PRIVAR}/Fonts
rm -rf $_SYSLIB}/Fonts
ln -s $_PRIVAR}/Fonts $_SYSLIB}
liner ; notab echo -e "\n $_RD}Folder [$_RS]System$_RD):$_RS}Library$_RD):$_RS}Fonts$_RD}] moved to
[$_RS]private$_RD):$_RS}var$_RD})\n\n $_RS}& $_BL}Symlink created in [$_RS]System$_BL):$_RS}Library$_BL}" ; fi
#-----
#----- Move AUDIO to other partition & free up space on system partition -----
#-----
if [[ ! -L $_SYSLIB}/Audio ]] ; then
cp -R -p $_SYSLIB}/Audio $_PRIVAR}/Audio
rm -rf $_SYSLIB}/Audio
ln -s $_PRIVAR}/Audio $_SYSLIB}
notab echo -e "\n $_RD}Folder [$_RS]System$_RD):$_RS}Library$_RD):$_RS}Audio$_RD}] moved to
[$_RS]private$_RD):$_RS}var$_RD})\n\n $_RS}& $_BL}Symlink created in [$_RS]System$_BL):$_RS}Library$_BL}" ; fi
#-----
#----- Disable unused LAUNCH DAEMONS - No essential or important daemons are in list -----
#-----
mkdir -p $_DOWNL}/Backup/LaunchDaemons 2>/dev/null
chown root:wheel "$_DOWNL}/Backup/LaunchDaemons" 2>/dev/null
cleanup ; liner
notab echo -ne "\n $_RD}Do you want to $_WH}Disable $_RD}or $_WH}Reenable $_RD}some $_NL}Launch Daemons
$_RS}" ; etc ; yn ; answer ; print_yn ; echo
if [[ "$ii" = Y ]] ; then
notab echo -ne " $_WH}DISABLE$_RS}[$_GR}0$_RS}]$_RS} or $_WH}REENABLE$_RS}[$_RD}1$_RS}" ; etc ; ask ; zanswer ;
print_oi
if [[ "$ff" = 1 ]] ; then
if [[ ! $(find $_DOWNL}/Backup/LaunchDaemons -type f 2>/dev/null) ]] ; then
notab echo -e "\n $_RD}There are no disabled Launch Daemons $_RS}" ; etcn ; else
notab echo -e "\n $_RS}The following $_WH}Launch Daemons$_RS} are currently disabled:\n"
find $_DOWNL}/Backup/LaunchDaemons -type f | sed -e 's,*,*,, -e 's:~::~(com\.[a-z]*\.\.plist)::g' | tr [a-z] [A-Z] | cat -n |
awk '{printf "\033[36m%02d\033[0m%s\n",$1,$2}' | tee /tmp/tf.enabledm.log
notab echo -ne "\n $_RS}Enter $_CY}number$_RS}($_CY}${_BK}s$_RS})$_BK} to reenale $_RS}separated by a
$_WH}single space $_RS}& hit [$_MG}ENTER$_RS})$_YL}\n\n" ; txt && read _ENABLE
if [[ $_ENABLE = "" ]] ; then notab printf "\033[1A\033[1A\033[1A" ; blank ; notab echo -n " Nothing selected; no daemons
were reenabled" ; else for _DAE in $_ENABLE ; do if [[ ! $(sed -n "$_DAE)p" /tmp/tf.enabledm.log 2>/dev/null) ]] ; then
notab echo -ne "\n$(blank) $_CY}${_DAE} $_RS}is not a valid selection number. $_RD}RETYPE SELECTION$_RS}: $_CY}"
else
mv -f $(find $_DOWNL}/Backup/LaunchDaemons -type f | grep -i "$(sed -n "$_DAE)p" /tmp/tf.enabledm.log 2>/dev/null |
sed 's:[^A-Z]*\([A-Z].*\):\1:') $_SYSLIB}/LaunchDaemons/ 2>/dev/null

```

```

notab echo -ne "\n ${_RS}Reenabled: ${_RD}$(sed -n "${_DAE}p" /tmp/tf.enabledm.log 2>/dev/null | sed
's:^(^A-Z)*\([A-Z].*\):\1:' | tr [A-Z] [a-z])${_RS}.plist" ; fi ; done ; fi ; fi
notab echo -ne "\n\n ${_WH}Do you also want to ${_RD}Disable${_WH} some Launch Daemons ${_RS}" ; etc ; yn ; answer ;
print_yn ; if [[ "$ii" = Y ]] ; then _DISABLE="YES" ; fi
elif [[ "$ff" = 0 ]] ; then _DISABLE="YES" ; fi ; fi
if [[ "$_DISABLE" = "YES" ]] ; then notab printf "\n ${_RD}Checking for unessential Launch Daemons ${_RS}" ; etcn
for _IDG in i2_ice3 i3_ice3 i4_ice2 ; do
if [[ "$[grep -o '^.[0-9]' $_LOGS]/rm.settings.log 2>/dev/null" = $_IDG%_* ]] ; then _ICE="$(echo $_IDG#*_)"
fi ; done
notab echo -e " ${_MG}Essential Daemons ${_RS}are not among the choices\n Any ${_WH}Launch Daemon${_RS} whose
function is ${_GR}unclear\n ${_RS}${_AY}Should be ${_WH}researched *${_RD}before${_WH}*${_RS} it's disabled\n${_MG}
Disabled Daemons${_RS} can of course be re${_GR}enabled"
notab echo -e "\n ${_WH}SELECT${_WH}[$_GR]1${_WH}[$_GR]DISABLES${_RS} $_NL}${_AB}Launch Daemon\n
${_WH}SELECT${_WH}[$_RD]0${_WH}[$_RD]TO KEEP${_RS} $_NL}${_AB}Launch Daemon\n"
_COUNT=0 ; IFS=$'|'
for E in $_iDAEMONS ; do unset IFS ; bottom
if [[ -e $_SYSLIB}/LaunchDaemons/$(echo "${E}" | awk -F '%' '{printf "%s", $1}' | sed -e '/saurik/!s/^/com.apple./' -e
's:iceX:$_ICE:" -e 's/$/.plist/') ]] ; then let _COUNT++
notab echo -ne " ${_RS}[$_CY]$(printf %02d "$_COUNT")${_RS}$(echo ${E^^} | sed -e 's:%:\\\${_RS}.plist%' -e
's:iceX:"$_ICE^^":' | awk -F '%' '{ printf "]"\\$_WH%-41.41s"\\$_BL$_NL"%41s", $1, $2 }') $_NL}${_RS}[$_GR]1${_RS} or
${_RS}[$_RD]0${_RS} $_RS" ; etc ; ask ; zanswer
case "$ff" in
1) _LDS="DISABLE" ;;
0) _LDS="KEEPING" ;;
esac ; notab echo -ne " ${_RS}[$_RD]${_LDS}${_RS}" ; sleep 0.5 ; blank
if [[ "$ff" = 1 ]] ; then
echo -e "${E}" | awk -F '%' '{printf "%s", $1}' | sed -e '/saurik/!s/^/com.apple./' -e 's/$/.plist\n/' >> /tmp/rm.daemons.log
fi ; fi ; done ; fi
#-----
# else echo -e "${E}" | awk -F '%' '{printf "%s", $1}' | sed 's:.*[\.]([A-Za-z]*):\1:' >> /tmp/tf.keepdaemons.log
# cat /tmp/tf.keepdaemons.log 2>/dev/null | sed -e 's:^_XKEEPDMON|:' -e 's:|$::' $_LOGS)/rm.logxcept.log
#-----
#----- NOW COPY THEM one by one to backup and remove original -----
#-----
if [ -s /tmp/rm.daemons.log ] ; then
notab echo -e " ${_RD}Disabling the following Launch Daemons${_RS}:\n"
sed 's/com\.([apple|saurik])\.//lg' /tmp/rm.daemons.log | tr [a-z] [A-Z] | awk '{printf
"\033[36m%02d\033[37m%-44.44s\n",NR,$1}' | sed -e 's/^/ /' -e "s:(\.PLIST):$(nocolor)\1:"
notab echo -ne "\n ${_RS}CONFIRM${_BL}[$_GR]Y${_BL}$_RS or ${_RS}CANCEL${_BL}[$_RD]N${_BL} $_RS" ; etc ; ask ;
answer ; print_yn
if [[ "$ii" = Y ]] ; then
while read -r _LINE ; do
mv -f $_SYSLIB}/LaunchDaemons/_LINE $_DOWNL}/Backup/LaunchDaemons/_LINE 2>/dev/null ; done <
/tmp/rm.daemons.log
notab echo -ne "\n ${_RD}Disabled Daemons moved to
$_NL}${_RS}mobile${_RD}:$_RS}Documents${_RD}:$_RS}Backup${_RD}:$_RS}LaunchDaemons${_RD}"
else notab echo -ne "\n ${_RD}CANCELLING${_RS}" ; etc ; printf " ${_RS}Selected Daemons list is in $_CY}/tmp $_RS}folder
$_NL}until iDevice reboots\n" ; fi ; else
notab printf " $_CY}No ${_WH}Launch Daemons${_CY} were disabled $_RS" ; etc ; fi
#-----
#----- Modify PLIST com.apple.itunesstored to EXIT* after use -----
#-----
echo ; liner ; notab echo -ne "\n ${_RD}Launch Daemon ${_WH}Modification${_RS}" ; etcn ; notab echo -e "\n
${_RD}Checking whether ${_WH}itunesstored${_RD} & ${_WH}locationd${_RD} $_NL}Daemons are set to ${_MG}${_AR}exit
after use\n"
_iTUNESTR="$_SYSLIB}/LaunchDaemons/com.apple.itunesstored.plist"
if grep -q "SuccessfulExit" $_iTUNESTR ; then plutil -convert xml1 $_iTUNESTR > /dev/null
tr '\t' '%' < $_iTUNESTR > /tmp/itunesstored.txt && rm $_iTUNESTR
tr '\n' '~' < /tmp/itunesstored.txt > /tmp/itunesstored1.txt && rm /tmp/itunesstored.txt
sed -e
's:KeepAlive</key>~%<dict>~%<key>AfterInitialDemand</key>~%<true/>~%<key>SuccessfulExit</key>~%<false/>
~%</dict>~%:KeepAlive</key>~%<false/>~%:' -e 's:<plist version="1.0">~%<dict>:<plist
version="1.0">~%<dict>~%<key>EnvironmentVariables</key>~%<dict>~%<key>DYLD_INSERT_LIBRARIES</key>~%<
string>/Library/MobileSubstrate/MobileSubstrate.dylib</string>~%</dict>:' /tmp/itunesstored1.txt >
/tmp/itunesstored.txt && rm /tmp/itunesstored1.txt
tr '~' '\n' < /tmp/itunesstored.txt > /tmp/itunesstored1.txt && rm /tmp/itunesstored.txt
tr '% '\t' < /tmp/itunesstored1.txt > $_iTUNESTR && rm /tmp/itunesstored1.txt
plutil -convert binary1 $_iTUNESTR > /dev/null

```

```

notab echo -e "${_RS}The [$_WH]itunesstored${_RS}] Launch Daemon ${_AR}$(allcaps "w")as modified to exit after use"
else notab echo -e "${_BL}The [$_RS]itunesstored${_BL}] Launch Daemon ${_AM}$(allcaps "h")as already been modified" ; fi
#-----
#----- Modify PLIST com.apple.locationd.plist to EXIT after use -----
#-----
_LOCATD="${_SYSLIB}/LaunchDaemons/com.apple.locationd.plist"
if ! grep -q "MobileSubstrate" ${_LOCATD} ; then plutil -convert xml1 ${_LOCATD} > /dev/null
tr '\t' '%' < ${_LOCATD} > /tmp/locationd.txt && rm ${_LOCATD}
tr '\n' '~' < /tmp/locationd.txt > /tmp/locationd1.txt && rm /tmp/locationd.txt
sed -e
's:KeepAlive</key>~%<dict>~%<key>SuccessfulExit</key>~%<false/>~%</dict>~%:KeepAlive</key>~%<false/>~%:'
-e 's:RunAtLoad</key>~%<true/>:RunAtLoad</key>~%<false/>:' -e 's:<plist version="1.0">~%<dict>:<plist
version="1.0">~%<dict>~%<key>EnvironmentVariables</key>~%<dict>~%<key>DYLD_INSERT_LIBRARIES</key>~%<string>/Library/MobileSubstrate/MobileSubstrate.dylib</string>~%</dict>:' < /tmp/locationd1.txt > /tmp/locationd.txt
&& rm /tmp/locationd1.txt
tr '~' '\n' < /tmp/locationd.txt > /tmp/locationd1.txt && rm /tmp/locationd.txt
tr '% '\t' < /tmp/locationd1.txt > ${_LOCATD} && rm /tmp/locationd1.txt
plutil -convert binary1 ${_LOCATD} > /dev/null
notab echo -e "\n ${_RS}The [$_WH]locationd${_RS}] Launch Daemon ${_AR}$(allcaps "w")as modified to exit after use"
else notab echo -e "\n ${_BL}The [$_RS]locationd${_BL}] Launch Daemon ${_AM}$(allcaps "h")as already been modified" ; fi
#-----
#----- Modify .GlobalPreferences PLIST to specify custom location -----
#-----
liner ; cleanup ; notab echo -ne "\n ${_WH}Set a ${_RD}Custom Location${_WH} by combining two $(allcaps "d")ifferent
language codes,${_RS}" ; cutxt "\n"
echo -ne " For example [$_WH]${_AR}en${_RS}]${_AM}_$_WH]${_AR}FR${_RS}" ; cutxt ' '
notab echo -ne "${allcaps "p"}hysically [$_MG]localizes [$_RS]the iDevice${_RS} in [$_RS]::${_BK} [$_CY]France\n"
notab echo -ne " [$_RS]&${_MG}]${_AR} Language" ; cutxt "\r" ; echo -ne " Settings [$_RS]&${_MG}]${_AR} UI Interface
[$_RS]&${_AW}]for [$_NL]${_WH]${_AM}]Clock [$_RS]&${_AW}]&${_WH]${_AM}] Calendar [$_RS]&${_AW}]&${_WH]${_AM}] iDevice" ;
cutxt "$(repeat 8 printf "\b")" ; echo -e " Location[$_RS]::${_BK} [$_CY]English${_RS}"
_GLOPREF="${_MOBILE}/Library/Preferences/.GlobalPreferences.plist" ; plutil -convert xml1 ${_GLOPREF} > /dev/null
function setlocal() { sed -n '/AppleLocale/{n;p;} ${_GLOPREF} | grep -Eo "[a-z]{2}[A-Z]{2}" ; }
function setlang() { echo "$_LCODES" | tr '% '\n' | grep -Ew "$(setlocal | sed 's:~%:~%' | awk -F '|' '{printf "%s",$1}'" ; }
function setloc() { echo "$_RCODES" | tr '% '\n' | grep -Eiw "$(setlocal | sed 's:~%:~%' | awk -F '|' '{printf "%s",$2}' | tr '_' ':')" ; }
sed "s:~%:~%:" ; }
notab echo -ne "\n [$_RD]iDevice is currently set to [$_WH]$(setlocal | sed 's:/$(nocolor)_$(white)/")${_RD}]
i.e.[$_CY]${_NL}Language${_RD}::$_WH]$(setlang)${_NL}]${_RD} & [$_LS]${_CY}Location${_RD}::$_WH]$(setloc)${_RS}\n"
notab echo -ne "\n [$_WH]Select a new [$_CY]Custom Locale [$_WH]for iDevice [$_RS]" ; etc ; yn ; answer ; print_yn ; if [[ "$ii"
= Y ]] ; then notab printf "\033[1A\033[1A" ; blank
notab echo -ne "\n [$_WH]Display [$_RD]ISO 639-1 [$_WH]reference list of Language Codes${_RS}" ; etc ; yn ; answer ;
print_yn ; if [[ "$ii" = Y ]] ; then
printf "\n" ; echo "$_LCODES" | tr '% '\n' | grep -v '~|Emoji|British' | sed
's:~%([A-Z][A-z]{2})~%\1\1([A-z]{3})~%0*([a-z][a-z])~%:\4\2\1:g' | awk -F '|' '{printf
"\033[0m[\033[36m%-2s\033[0m] \033[37m%-24.24s\n",$1,$2}' | pa2ste | noindent sed 's/^/ /' ; fi
notab echo -ne "\n [$_YL]Select [$_WH]Language [$_RS]by code or name & [$_YL]press [$_RS][$_CY]ENTER${_RS}] or
[$_YL]hit [$_RS][$_CY]RETURN${_RS}] to [$_YL]Escape [$_RS]:: [$_MG]"
txt ; while read _iLANG ; do
if [[ $_iLANG = "" ]] ; then notab echo -e "\033[1A $(repeat 10 printf "\t")\b\b${_RS}][$_RD]CANCELLED${_RS}" ; break
elif [[ $_iLANG = [^[:alpha:]]* || ! $(echo "$_LCODES" | tr '% '\n' | grep -v '~' | grep -Eiw "$_iLANG") ]] ; then
notab printf "\033[1A [$_RS]$_4LINE]$_YL]INVALID${_RD}]${_WH}SELECTION${_RS}$_4LINE]" ; sleep 1
notab printf "\r [$_RS]$_4LINE]$_YL]PLEASE${_RD}]SELECT${_WH}AGAIN${_RS}$_4LINE]" ; sleep 0.5
notab printf "\r [$_YL]Select [$_WH]Language [$_RS]by code or name & [$_YL]press [$_RS][$_CY]ENTER${_RS}] or [$_YL]hit
[$_RS][$_CY]RETURN${_RS}] to [$_YL]Escape [$_RS]:: [$_MG]" ; else
_XLOCALANG="$(echo "$_LCODES" | tr '% '\n' | grep -v '~' | grep -Eiw "$_iLANG" | sed 's:~%:~%' | sed 's:~%([a-z]{2})~%\1~%:\4\2\1:g)" ; break
; fi
notab echo -ne "\n [$_WH]Display [$_RD]ISO 3166-1-α2 [$_WH]reference list of Country Codes${_RS}" ; etc ; yn ; answer ;
print_yn ; if [[ "$ii" = Y ]] ; then
printf "\n" ; echo "$_RCODES" | tr '% '\n' | awk -F '|' '{printf "\033[0m[\033[36m%-2s\033[0m]
\033[37m%-24.24s\n",$1,$2}' | pa2ste | noindent sed 's/^/ /' | sed -e 's:~%:~%' -e "s:~%:~%:(nocolor)&$(white):g" -e
"s:~%:~%:(nocolor)-$(white):g" ; fi
notab echo -ne "\n [$_YL]Select [$_WH]Location [$_RS]by code or name [$_RS]&$_YL] press [$_RS][$_CY]ENTER${_RS}] ::
[$_MG]"
txt && while read _iLOC ; do
if [[ $_iLOC = "" || $_iLOC = [^[:alpha:]]* || ! $(echo "$_RCODES" | tr '% '\n' | grep -Ei "$(echo $_iLOC | tr ' ' '_')") ]] ; then
notab printf "\033[1A [$_RS]$_4LINE]$_YL]INVALID${_RD}]${_WH}SELECTION${_RS}$_4LINE]" ; sleep 1
notab printf "\r [$_RS]$_4LINE]$_YL]PLEASE${_RD}]SELECT${_WH}AGAIN${_RS}$_4LINE]" ; sleep 0.5
notab printf "\r [$_YL]Select [$_WH]Location [$_RS]by code or name [$_RS]&$_YL] press [$_RS][$_CY]ENTER${_RS}] ::
[$_MG]" ; else

```

```

_XLOCALANG="$(echo "$_RCODES" | tr '% ' '\n' | grep -Ei "$ (echo $_iLOC | tr ' ' '_)' | awk -F '|' '{printf "%s", $1}' | sed
"s:^:$_XLOCALANG:"); break ; fi ; done
_XEDIT="$ (grep '^_XLANG' $_LOGS}/rm.logxcept.log 2>/dev/null | sed 's:_XLANG!::' | tr ' ' '\n' | grep -E '^0*[a-zA-Z]{2}0*$'
| sed -e 's:^\([a-z]\{2}\)$:<string>\1</string>:g' -e 's:\(0[a-z]\{2}\)$:\1</string>:g' -e 's:\(^[a-z]\{2}\0\):<string>\1:g'
-e 's:0:-:g')"
cat $_GLOPREF | sed -e 's:^[ \t]*<string>[a-z]\{2}\(-[A-z]\{2,\}\)*</string>::g' | sed -n '1,/^\$/p' | grep '.' >
/tmp/xf.edit.log
grep -E "$_XEDIT">en<" $_GLOPREF >> /tmp/xf.edit.log
cat $_GLOPREF | sed -e 's:^[ \t]*<string>[a-z]\{2}\(-[A-z]\{2,\}\)*</string>::g' | sed -n '/^\$/,$p' | grep '.' | sed
"s:[a-z][a-z]_[A-Z][^<:$_XLOCALANG:" >> /tmp/xf.edit.log
cat /tmp/xf.edit.log > $_GLOPREF
notab echo -ne "\n $_RD)Device has been set to [$_WH]$(setlocal | sed "s/_/$(nocolor)_$(white)/")$_RD}
$_CY}$_NL}Language$_RD}::$_WH}$(setlang)$_NL}$_RD} & $_LS}$_CY}Location$_RD}::$_WH}$(setloc)$_RS}\n" ; done
else notab echo -ne "\033[1A$(blank) $_LS}$_BL)Device $_RS}Localization Settings$_BL)" ; cutxt " were" ; printf "$_BL}
not modified $_RS)" ; etcn ; fi
plutil -convert binary1 $_GLOPREF > /dev/null
#-----
#----- FIRST RUN CREATE USEFUL SYMLINKS -----
#-----
#----- Symlink ((( Documents ))) to ((( mobile:Media:Downloads ))) in useful places -----
#-----
if [[ ! -L $_MOBILE}/Documents || ! -L /Documents ]] ; then bliner
ln -s $_DOWNL} $_MOBILE}/Documents 2>/dev/null
ln -s $_DOWNL} /Documents 2>/dev/null
chown -h mobile:mobile /mobile/Documents
notab echo -e "\n $_RD)Symlink [$_RS}Documents$_RD]} to directory
[$_RS}mobile$_RD}:[$_RS}Media$_RD}:[$_RS}Downloads$_RD]} created in [$_RS}mobile$_RD]} [$_RS}&$_RD}
[$_RS}/$_RD}]" ; fi
#-----
#----- Symlink to ((( mobile ))) in useful places -----
#-----
if [[ ! -L /mobile ]] ; then bliner
ln -s $_MOBILE} / 2>/dev/null
ln -s $_MOBILE} $_PRIVAR}/stash 2>/dev/null
ln -s $_MOBILE} $_PRIVAR}/root 2>/dev/null
bliner ; notab echo -e "\n $_RD)Symlink [$_RS}mobile$_RD]} created in directories
[$_RS}private$_RD}:[$_RS}var$_RD}:[$_RS}root$_RD]} [$_RS}&$_RD}
[$_RS}private$_RD}:[$_RS}var$_RD}:[$_RS}stash$_RD]} [$_RS}&$_RD} [$_RS}/$_RD}]" ; fi
#-----
#----- Symlink to ((( Preferences ))) in useful places -----
#-----
if [[ ! -L $_MOBILE}/.Preferences ]] ; then bliner
ln -s $_MOBILE}/Library/Preferences $_MOBILE}/.Preferences 2>/dev/null
notab echo -e "\n $_RD)Symlink [$_RS}.Preferences$_RD]} to directory
[$_RS}mobile$_RD}:[$_RS}Library$_RD}:[$_RS}Preferences$_RD]} created in [$_RS}mobile$_RD}]" ; fi
#-----
#----- Create symlink to ((( Applications ))) in useful places -----
#-----
if [[ ! -L $_MOBILE}/.iApplications ]] ; then
ln -s $_STAPPS} $_MOBILE}/.iApplications 2>/dev/null
notab echo -e "\n $_RD)Symlink [$_RS}.iApplications$_RD]} to directory
[$_RS}private$_RD}:[$_RS}var$_RD}:[$_RS}stash$_RD}:[$_RS}Applications$_RD]} created in [$_RS}mobile$_RD}]" ; fi
#-----
#----- Create symlink to ((( Themes* ))) directory in useful places -----
#-----
_WINTER="$ (find $_PRIVAR}/stash/Themes.* -prune 2>/dev/null)"
if [[ -d $_WINTER ]] ; then
if [[ ! -L $_MOBILE}/Themes ]] ; then bliner
ln -s $_WINTER} $_MOBILE}/Themes
ln -s $_WINTER} /Themes 2>/dev/null
notab echo -e "\n $_RD)Symlink [$_RS}Themes$_RD]} created in [$_RS}/$_RD]} & [$_RS}mobile$_RD}]" ; fi ; fi
#-----
#----- Create symlink to ((( TimeCapsule ))) in useful places -----
#-----
if [[ ! -L $_DOWNL}/TimeCapsule ]] ; then bliner
if [[ ! -d $_MOBILE}/Library/Preferences/TimeCapsule ]] ; then
mkdir -p $_MOBILE}/Library/Preferences/TimeCapsule
chown -R mobile:mobile $_MOBILE}/Library/Preferences/TimeCapsule ; fi

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ln -s ${_MOBILE}/Library/Preferences/TimeCapsule ${_DOWNL} 2>/dev/null
notab echo -e "\n ${_RD}Symlink [${_RS}TimeCapsule${_RD}] created in [${_RS}mobile${_RD}:${_RS}Documents${_RD}]" ; fi
#-----
#----- Create symlink ((( Attachments ))) linked to ((( Downloads ))) -----
#-----
_ATTMT="${_MOBILE}/Library/Attachments"
if [[ ! -L ${_ATTMT} ]] ; then
if [[ -d ${_ATTMT} ]] ; then
mv -f ${_ATTMT}/* ${_DOWNL}/ 2>/dev/null
rmdir ${_ATTMT} ; fi ; bliner
ln -s ${_DOWNL} ${_MOBILE}/Library/Attachments
chown -h mobile:mobile ${_ATTMT}
notab echo -e "\n ${_RD}Mobile directory [${_RS}Media${_RD}:${_RS}Downloads${_RD}] symlinked to
[${_RS}Attachments${_RD}] in [${_RS}mobile${_RD}:${_RS}Library${_RD}]" ; fi
#-----
#----- Create other useful symlinks in useful places -----
#-----
if [[ ! -d /deb ]] ; then bliner
mkdir -p /deb
notab echo -e "\n ${_RD}Root directory [${_RS}deb${_RD}] created" ; fi
if [[ ! -L ${_MOBILE}/BackToDeb ]] ; then bliner
mv -f ${_MOBILE}/BackToDeb/* /deb/ 2>/dev/null
rmdir ${_MOBILE}/BackToDeb
ln -s /deb ${_MOBILE}/BackToDeb 2>/dev/null
chown -h mobile:mobile ${_MOBILE}/BackToDeb
notab echo -e "\n ${_RD}Root directory [${_RS}deb${_RD}] symlinked to [${_RS}BackToDeb${_RD}] in [${_RS}mobile${_RD}]" ;
fi
#-----
iPDF="$(find ${_MOBAPP}/*/* -type d -prune | grep -i 'AirSharing' | sed -e 's,[^/]*$,,)"
if [[ -d $iPDF ]] ; then
if [[ ! -L ${_DOWNL}/iPDF ]] ; then bliner
ln -s ${iPDF}/Documents ${_DOWNL}/iPDF
chown -h mobile:mobile ${_DOWNL}/iPDF
notab echo -e "\n ${_RD}Symlink [${_RS}iPDF${_RD}] created in [${_RS}mobile${_RD}:${_RS}Documents${_RD}]" ; fi ; fi
#-----
##### SYMLINKS #####
#-----
#----- First remove dead symlinks -----
#-----
cleanup ; liner ; notab echo -ne "\n ${_RD}Searching for ${_WH}dead symlinks ${_RD}to remove ${_RS}" ; etc
find $Path -type l ! -xtype f ! -xtype d | tee -a /tmp/tf.logrm.log | xargs -0 -l -d '\n' rm -f
if [[ -s /tmp/tf.logrm.log ]] ; then notab echo -e "\n\n ${_WH}Found [${_RD}$(icount | sed -e 's:$(white):] dead symlinks:"
-e '/^\<[>\<1>\<]>\>/s/links/link/)"
else notab echo -e "\n\n ${_CY}${_AM}Found no ${_WH}dead symlinks ${_CY}on iDevice${_RS}" ; fi
#-----
if [[ ! -L /AppLinks ]] ; then bliner
if [[ ! -d ${_MOBILE}/AppLinks ]] ; then
mkdir -p ${_MOBILE}/AppLinks
chown mobile:mobile ${_MOBILE}/AppLinks ; fi
ln -s ${_MOBILE}/AppLinks /
ln -s ${_MOBILE}/AppLinks ${_PRIVAR}/stash
notab echo -e "\n ${_RD}Symlink [${_RS}AppLinks${_RD}] created in [${_RS}private${_RD}:${_RS}var${_RD}:${_RS}stash${_RD}]
& [${_RS}/${_RD}]" ; fi
#-----
#----- Create Symlinks to MobileApps in ((( AppLinks ))) directory -----
#-----
cleanup ; bliner ; notab echo -ne "\n ${_CY}Creating ${_WH}Mobile App ${_CY}symlinks ${_RS}${_NL}" ; etcnn
find "${_MOBILE}/AppLinks" -maxdepth 1 -type l | xargs -0 -l -d '\n' rm -f
IFS=$'\n'
find $_MOBAPP -maxdepth 2 -name '*.app' -type d | sed -e "s/\^//g" -e "s/\^//g" |& while read _LINK ; do
_iCODE=$(dirname "$_LINK")
_COUNT=0
if grep -q "^$(basename "$_LINK")$" /tmp/tf.logrm.log 2>/dev/null ; then
let _COUNT++ ; fi
_iAPPL=$(basename "$_LINK" | sed -e "s/\(\.app\)$/\-$_COUNT\1/" -e 's:\-0:.' | tee -a /tmp/tf.logrm.log)
ln -s $_iCODE ${_MOBILE}/AppLinks/$_iAPPL
done ; unset IFS
sort -f /tmp/tf.logrm.log | sed -e 's/[^_A-z0-9.\&\' ]//g' -e 's/\.app$//' -e 's/\(.\{15\}\).*[A-z]\(.\)$/\1\^2/' -e 's:[

```

```
]::g' | awk -F '%' '{printf "\033[34m%03d\033[0m%-18.18s\n",NR,$0}' | pa3ste | noindentd sed 's/^/ /' | grep '!'
notab echo -e "${_BL}\n Created [${_RS}$(icount)${_BL}] MobileApp symlinks in $(allcaps 'D')irectory
${_RS}private${_BL}:${_RS}var${_BL}:${_RS}mobile${_BL}:${_RS}AppLinks${_BL}"
chown -R mobile:mobile ${_MOBILE}/AppLinks
#-----
#----- Find, Remove wrongly created AppLink symlinks from command above -----
#-----
# find /private/var/mobile/Applications -maxdepth 2 -type l | grep '.*\-\...\-\...\-\...\-\.....$' | xargs -0 -l -d '\n' rm -f
#-----
#----- Remove all MobileApp Symlink-Prefs - for testing -----
#-----
# find /private/var/mobile/Applications -type l | grep 'Library/Preferences' | xargs -0 -l -d '\n' rm -f
#-----
#----- Restore missing symlinked PLISTs in MobileApps Library/Prefs folder -----
#-----
_iPLIST='com.apple.PeoplePicker.plist .GlobalPreferences.plist'
cleanup ; for _iSP in $_iPLIST ; do
find $_MOBAPP -mindepth 1 -maxdepth 1 -type d | grep '.*\-\...\-\...\-\...\-\.*' |&
while read _APP ; do if [[ ! -e "${_APP}/Library/Preferences/${_iSP}" ]] ; then
ln -s ${_MOBILE}/Library/Preferences/${_iSP} ${_APP}/Library/Preferences 2>/dev/null
chown -R mobile:mobile ${_APP}/Library/Preferences 2>/dev/null
basename "$(find $_APP -name *.app -type d -prune)" >> /tmp/tf${_iSP}/com.apple/}.log
fi ; done ; if [[ -s /tmp/tf${_iSP}/com.apple/}.log ]] ; then bliner
notab echo -e "\n ${_WH}${_AB}Missing Pref-Symlink ${_NL}${_CY}${_iSP} ${_WH}${_NL}${_AB}restored to [${_RD}$(wc -l <
/tmp/tf${_iSP}/com.apple/}.log | sed -e "s:$(white) Mobile Apps:" -e '/^\<[\>\<1\>\<[\>\</s/Apps/App/')\n"
sort -f /tmp/tf${_iSP}/com.apple/}.log | sed -e 's:\.app:.' -e 's/\.([12])\.*/\1^2/' | awk -F '\n' '{printf
"\033[31m%03d\033[0m%-18s\n",NR,$1}' | pa3ste | noindentd sed 's/^/ /' | grep '!' ; fi ; done
#-----
#####
#-----
function rmalias() { echo "$E" | sed -e 's:iproj:Language Packs:' -e 's:carrier:Carrier Bundles:' -e 's:txinput:TextInput
Bundles:' -e 's:keyboard:Keyboard Layouts:' -e 's:extra:Miscellaneous \& Junk:' -e 's:social:Social Bundles:' -e
's:regular:non-Retina™ images:' -e 's:retina:Retina™ images:' -e 's:ipad:iPad images:' -e 's:ip5:Tall-Retina™ images:;' ; }
#-----
function rrm() { notab echo -ne "\n ${_YL}][${_RD} REMOVING ${_RS}" ; etc ; while read -r _LINE ; do rm -fr "$_LINE" ; done
2>/dev/null < /tmp/rm.${_E}.log ; cat /tmp/rm.${_E}.log 2>/dev/null >> /tmp/rm.removed.log ; printf "$(repeat [$(tput
cols)/2] printf ' ')\n\n" >> /tmp/rm.removed.log ; etc ; echo -e "${_WH}DONE ${_YL}][${_RS}" ; rm /tmp/rm.${_E}.log
2>/dev/null ; }
#-----
_RMLOG='iproj carrier txinput keyboard extra social regular retina ipad ip5'
for _IF in $_RMLOG ; do
if [ -s /tmp/rm.${_IF}.log ] ; then _TEST="YES" ; fi ; done
if [[ "$_TEST" = YES ]] ; then liner
echo -e "\033[1A\r\t\t\t\b\b\b${_WH}REVIEW${_RD}-${_RS}&${_RD}-${_WH}REMOVE${_RD}-${_WH}FILES${_RS}"
notab echo -ne "\n ${_RS}You can review each removal list before marked files are actually deleted\n ${_RD}Proceed with
care${_RS}: if in doubt, select ${_WH}[0]${_RS} to ${_YL}CANCEL${_RS} & check the logfile\n SSH into iDevice or use
${_MG}file${_RS} to find logs in ${_WH}mobile${_RD}:${_WH}Documents${_RD}:${_WH}logs${_RD}:${_WH}saved ${_RS}\n"
bliner ; for E in $_RMLOG ; do if [ -s /tmp/rm.${_E}.log ] ; then
notab echo -ne "\n ${_RS}===${_YL}$(repeat 36 printf '='${_RS}===\r\t${_YL}== ${_WH}${rmalias | tr 'a-z' 'A-Z]' | sed -e
's:\&:$(nocolor)\&$(white):" -e 's:-:$(nocolor)\-$(white):" \n"
notab echo -ne "\n ${_GR}[CANCEL${_WH}[0]${_RD}AND SAVE THIS LOGFILE\n ${_YL}[DELETE]${_WH}[1]${_RD}ALL FILES IN
THE LIST\n ${_CY}[REVIEW]${_WH}[9]${_RD}ITEMS IN REMOVAL LIST ${_RS}"
etc ; ask ; while read -s -n 1 tt ; do if [[ "$tt" = 9 ]] ; then printf " ${_RS}[${_CY}REVIEW${_RS}]\n"
notab echo -e "\n ${_YL}][${_CY} Reviewing ${_WH}${rmalias | sed -e 's:\&:$(nocolor)\&$(white):" -e
's:-:$(nocolor)\-$(white):" ${_CY} removal list ${_YL}][${_RS}\n"
function rmlist() { shortd "$@" | awk '{printf "\033[36m%03d\033[31m:\033[0m%-s\n",NR,$0}' ; }
rmlist cat /tmp/rm.${_E}.log ; cat /tmp/rm.${_E}.log > /tmp/tf.logrm.log
_TLOG="logrm" ; editlist ; _PRINT="$(rmlist cat /tmp/tf.logrm.log)" ; editprint
cat /tmp/tf.logrm.log > /tmp/rm.${_E}.log
notab echo -ne "\n ${_YL}][${_WH} Remove listed ${_CY}${rmalias | sed -e 's:\&:$(nocolor)\&$(cyan):" -e
's:-:$(nocolor)\-$(cyan):" ${_WH}files ${_RS}" ; etc ; yn ; answer ; print_yn ; if [[ "$ii" = Y ]] ; then _RMV="YES" ; fi ; break
elif [[ "$tt" = 1 ]] ; then _RMV="YES" ; printf " ${_RS}[${_YL}DELETE${_RS}]\n" ; break
elif [[ "$tt" = 0 ]] ; then printf " ${_RS}[${_GR}CANCEL${_RS}]\n" ; break ; fi ; erata ; done
if [[ "$_RMV" == "YES" ]] ; then rrm ; notab echo -e "\n ${_RS}===${_YL}$(repeat 36 printf '='${_RS}===\n"
else cat /tmp/rm.${_E}.log 2>/dev/null > ${_LOGS}/saved/rm.${_E}.log
notab echo -ne "\n ${_RS}===${_RD}$(repeat 36 printf '='${_RS}===\r\t\t ${_WH}STOPPED \n\n ${_CY}Saving
${_WH}${rmalias | sed -e 's:\&:$(nocolor)\&$(white):" -e 's:-:$(nocolor)\-$(white):" ${_CY}Remove-List to\n\n
${_RS}private${_RD}:${_RS}var${_RD}:${_RS}mobile${_RD}:${_RS}Documents${_RD}:${_RS}saved${_RD}:${_RS}logs\n\n
```

```
$_YL>You can run through it again later $_RS)" ; etcn ; echo -e "\n $_RS)===$_RD)$(repeat 36 printf '=')$_RS)===
$_RS)" ; fi ; fi ; done ; else liner ; bottom
notab echo -ne "\n $_WH}There are $_RD}no files to delete" ; cutxt " $_WH}so you must be $_CY}done$_RS) " ; etcn ; liner
; fi
#; else notab echo -ne "\n $_RS)===$_MG)$(repeat 36 printf '=')$_RS)===\r\t$_MG)=== NO $_WH}$(rmalias | tr '[a-z]'
'[A-Z]' | sed -e "s:\&:$(nocolor)\&$(white):" -e "s:\-:$(nocolor)\-$(white):") $_MG}LIST \n"
#-----
#####
#-----
printf "\n" ; repeat 20 dot ; notab echo -e "\n\n
$_RS)---$_RD)---$_RS)END$_RD)-$_RS)OF$_RD)-$_RS)PROCESS$_RD)-&-$_RS)EXIT$_RD)-$_RS)STAGES$_RD)-$_RS)
LEFT$_RD)----$_RS)---\n\n"
exitxt
```