Internet Radio Linking Project (IRLP) Wiki

Keeping the Radio in Amateur Radio

Colour prompt and ls output with Debian

With the CentOS based IRLP software the output from the ls command was colourised. With Debian this is disabled by default, but is quite simple to enable.

Borrowed from http://jbsteiner.com/article/enabling-colorful-bash-debian-squeeze [http://jbsteiner.com/article/enabling-colorful-bash-debian-squeeze]

1. As root backup `/etc/bash.bashrc`: E.g. `cp /etc/bash.bashrc /etc/backup.bash.bashrc`
2. As root edit `/etc/bash.bashrc` to resemble the following, this is a complete copy of the file with the changes, it is safe to replace the file with this:

```
# System-wide .bashrc file for interactive bash(1) shells.

# To enable the settings / commands in this file for login shells as well,
# this file has to be sourced in /etc/profile.

# If not running interactively, don't do anything
[ -z "$PS1" ] && return

# check the window size after each command and, if necessary,
# update the values of LINES and COLUMNS.
shopt -s checkwinsize

# set variable identifying the chroot you work in (used in the prompt below)
if [ -z "$debian_chroot" ] && [ -r /etc/debian_chroot ]; then
    debian_chroot=$(cat /etc/debian_chroot)
fi

use_color=false

# Set colorful PS1 only on colorful terminals.
# dircolors --print-database uses its own built-in database
# instead of using /etc/DIR_COLORS.  Try to use the external file
# first to take advantage of user additions.  Use internal bash
# globbing instead of external grep binary.
safe_term=${TERM//[^[:alnum:]]/?}   # sanitize TERM
match_lhs=""
[[ -f ~/.dir_colors   ]] && match_lhs="${match_lhs}$(<~/.dir_colors)"
[[ -f /etc/DIR_COLORS ]] && match_lhs="${match_lhs}$(</etc/DIR_COLORS)"
[[ -z ${match_lhs}    ]] \
        && type -P dircolors >/dev/null \
        && match_lhs=$(dircolors --print-database)
[[ $'\n'${match_lhs} == *$'\n'"TERM "${safe_term}* ]] && use_color=true

if ${use_color} ; then
        # Enable colors for ls, etc.  Prefer ~/.dir_colors #64489
        if type -P dircolors >/dev/null ; then
                if [[ -f ~/.dir_colors ]] ; then
                        eval $(dircolors -b ~/.dir_colors)
                elif [[ -f /etc/DIR_COLORS ]] ; then
                        eval $(dircolors -b /etc/DIR_COLORS)
                fi
        fi

        if [[ ${EUID} == 0 ]] ; then
                PS1='${debian_chroot:+($debian_chroot)}\[\033[01;31m\]\h\[\033[01;34m\] \W \$\[\033[00m\] '
```

```
        else
                PS1='${debian_chroot:+($debian_chroot)}\[\033[01;32m\]\u@\h\[\033[01;34m\] \w \$\[\033[00m\] '
        fi

        alias ls='ls --color=auto'
        alias grep='grep --colour=auto'
else
        if [[ ${EUID} == 0 ]] ; then
                # show root@ when we don't have colors
                PS1='\u@\h \W \$ '
        else
                PS1='\u@\h \w \$ '
        fi
fi

# Try to keep environment pollution down, EPA loves us.
unset use_color safe_term match_lhs

# Commented out, don't overwrite xterm -T "title" -n "icontitle" by default.
# If this is an xterm set the title to user@host:dir
#case "$TERM" in
#xterm*|rxvt*)
#    PROMPT_COMMAND='echo -ne "\033]0;${USER}@${HOSTNAME}: ${PWD}\007"'
#    ;;
#*)
#    ;;
#esac

# enable bash completion in interactive shells
if [ -f /etc/bash_completion ] && ! shopt -oq posix; then
    . /etc/bash_completion
fi

# if the command-not-found package is installed, use it
if [ -x /usr/lib/command-not-found -o -x /usr/share/command-not-found ]; then
        function command_not_found_handle {
                # check because c-n-f could've been removed in the meantime
                if [ -x /usr/lib/command-not-found ]; then
                   /usr/bin/python /usr/lib/command-not-found -- $1
                   return $?
                elif [ -x /usr/share/command-not-found ]; then
                   /usr/bin/python /usr/share/command-not-found -- $1
                   return $?
                else
                   return 127
                fi
        }
fi
```

Logout and login again, the prompt and ls output will now be coloured.
