

.bashrc

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What is a .bashrc?

A .bashrc is a file that is used to configure what your command line is going to look like and how it behaves. It can involve special coloring of certain commands and even creating new commands.

Updating .bashrc

- After you have edited and saved your bashrc it WON'T be applied to your terminal automatically.
- You will either have to close and reopen your terminal or use the command **source .bashrc** to apply the changes you have made.
- **Note:** on a Mac this file is called .bash_profile

Pretty Colors

You can add colors to your command line by using the color codes listed here:

https://wiki.archlinux.org/index.php/Color_Bash_Prompt

Basically you can define colors like:

RED="\[\033[31;1m\]" and then use that color later in your bashrc like **\${RED}**

PS1

The command prompt setting

- *Example:* **PS1="command_prompt >"**

Helpful escape codes:

- \u - username
- \h - computer name
- \w - working directory
- \n - newline

alias

- An alias is basically a way to create your own command by mapping a word/symbol to another command.
- *Example:* **alias c='clear'**
- *Example:* **alias rm="rm -i"**
 - will ask if you are sure any time you try to remove a file

Colored ls

- Will color directories and different types of files different colors whenever you run ls
- On linux: **alias ls='ls --color=auto'**
- On mac: **export CLICOLOR=1** and
export LSCOLORS=ExFxBxDxCxegebabagacad
 - May need: **alias ls='/bin/ls'**

Colored grep

- Will highlight the matches whenever you run
- On Linux: **alias grep='fgrep --color=auto'**
- On Mac: **alias grep='GREP_COLOR="1;37;41" LANG=C grep --color=auto'**

Colored Man Pages

Add these lines:

```
export LESS_TERMCAP_mb=$'\E[01;36m'  
export LESS_TERMCAP_md=$'\E[01;36m'  
export LESS_TERMCAP_me=$'\E[0m'  
export LESS_TERMCAP_se=$'\E[0m'  
export LESS_TERMCAP_so=$'\E[01;44;33m'  
export LESS_TERMCAP_ue=$'\E[0m'  
export LESS_TERMCAP_us=$'\E[01;32m'
```

Note: You can edit the color codes at the end of the lines that don't end in "0m" to get different colors for different parts of the man page.

Simple Functions

You can also write simple functions in your `.bashrc` to do more complex things.

Example:

```
login() {  
    ssh ${1}@[IP]  
}  
alias login=login
```

Just for fun

The command will return a :) when the last command was successful and a :(when it fails

```
SELECT="if [ \${?} = 0 ]; then echo \" :)\"; else  
echo \" :(\"; fi"
```

This could also be a fun place to add color with a green :) and a red :(

The End

