

Some bashrc tricks

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Terminals

- I use the terminal a lot
 - Simple commands
 - Presented for bash, but approach is general

bashrc/bash_profile

Two scripts that run when you login.

bash_profile

login shells

bashrc

interactive non-login shells

Aliases/Functions

```
untar () {  
  case $1 in  
    *.tar.bz2) tar xvjf $1 ;;  
    *.tar.gz)  tar xvzf $1 ;;  
    *.tar.xz)  tar xvJf $1 ;;  
    *.rar)     unrar x $1 ;;  
    *) echo "Unable to extrat $1" && false  
  esac  
}
```

Unending growth

I tend to just keep appending things

```
danny@sybil ✓ ~ $ du -csh bash
124K  .
124K  total
```

Extensibility

bash_profile

```
for d in $(ls "${HOME}"/src/bash/*/profile); do
    source "${d}"
done
```

Extensibility

```
danny@whitney $ ✓ ~/src/bash $ tree -d
```

```
.  
├── 05-ssh-detect  
├── 10-prefix  
├── 30-ssh-agent  
├── 31-gpg  
├── 70-make  
├── 90-history  
└── 91-tick
```

ssh-detect

```
if [ -n "$SSH_CLIENT" ] || [ -n "$SSH_TTY" ]; then
    SESSION_TYPE=remote/ssh
else
    case $(ps -o comm= -p $PPID) in
        sshd|*/sshd) SESSION_TYPE=remote/ssh;;
    esac
fi
```

ssh-agent

```
if [ -f ~/.agent.env ] ; then
  . ~/.agent.env > /dev/null
  if ! kill -0 $SSH_AGENT_PID > /dev/null 2>&1; then
    eval `ssh-agent | tee ~/.agent.env` >/dev/null
  fi
else
  eval `ssh-agent | tee ~/.agent.env` >/dev/null
fi
```

gpg-agent

```
export GPG_TTY=$(tty)
```

make

```
if [ -x "$(command -v nproc)" ]; then
    export MAKEOPTS="{MAKEOPTS} -j$(nproc) "
    export MAKEFLAGS="{MAKEFLAGS} -j$(nproc) "
fi
```

history

```
export HISTSIZE=-1
export HISTFILESIZE=-1
export HISTCONTROL=ignorespace
export HISTIGNORE="$HISTIGNORE:rm *"
```

prompt

```
function prompt_command {
    res=$?

    PS1="${GREEN}${USER:-$(whoami 2>/dev/null)}"
    PS1="${PS1}@"
    PS1="${PS1}${HOSTNAME_COLOUR}$(uname -n 2>/dev/null) \ $ "

    if [ $res == "0" ]; then
        PS1="${PS1}${BLUE}✓ "
    else
        PS1="${PS1}${BLUE}✗ "
    fi

    PS1="${PS1}\w \${RESET_COLOUR} "
}
```

Evolution

- Other native development scripts not shown
- Port per-host configs to modular system
- Include other dotfiles. eg, ssh configs
- Keep adding to the collection as required