

Highlight non-ascii characters in VI. Stick it in your .vimrc. This catches Unicode double-quotes and everything else. Saved me so much time over the years.

```
" highlight non-ascii characters
highlight nonascii guibg=Red ctermbg=1 term=standout
au BufReadPost * syntax match nonascii "[^\u0000-\u007F]"
```

Make your F* keys do cool stuff to what's in your VI buffer:

```
" set F9 as a hotkey to run current file in terminal
"      : --> command mode
"      ! --> run shell command
"      % --> refer to file in current buffer
"      :p --> use full path of current file
" <ENTER> --> execute the previous commands
nnoremap <F9> :!%:~p<ENTER>
nnoremap <F8> :!make<ENTER>
nnoremap <F7> :!python3 %:~p<ENTER>
nnoremap <F6> :!pyflakes %:~p<ENTER>
nnoremap <F5> :!bash %:~p<ENTER>
nnoremap <F4> :!chmod +x %:~p<ENTER>
```

Only need to put your Kerberos in once per day per machine that you ssh to. Stick this in your ~/.ssh/config (make sure you make host aliases for your HPC platforms so you always connect to the same login node!)

```
Host manzano
    User      mswan
    HostName   manzano-login3.sandia.gov
```

```
# +++++ What every host gets
# %r = username
# %h = hostname
# %p = port
Host *
    ControlPath ~/.ssh/cm-%r@%h:%p
    ControlMaster auto
    ControlPersist 10h
    ServerAliveInterval 10
```

So you've started a process in SSH but need it to continue after closing:

```
$ sleep 1000 # for example
ctrl+z
$ bg
$ disown
```