

Configure terminal for data science development

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2024-01-06

Table of contents

1	Introduction	1
1.1	Notes on setting up iterm2:	1
2	zshrc	2

1 Introduction

Install iterm2

brew install iterm2

Set out the configuration needs for the terminal

[Settings For a Better iTerm2 Experience](#)

[iTerm2 Setup and Customization | CodeAhoy](#)

1.1 Notes on setting up iterm2:

Useful Keyboard shortcuts



```
cmd + shift + enter -> maximize current window (especially useful when you use split windows)
cmd + t -> open a new tab
cmd + w -> close focused window
cmd + d -> split window vertically
cmd + shift + d -> split window horizontally
cmd + {1..9} -> Move to tab with number {1..9}
cmd + i -> change name of the tab
```

Set up the status bar for time, git, directory. This reduces the burden on the shell prompt.

Set out the configuration needs for the shell

Start with `iterm2`, `zsh`, `oh-my-zsh`, `power10k`

Search on “`iterm2`, `zsh`, `oh-my-zsh`, `power10k`”

Good place to start:

[Configuring Zsh Without Dependencies](#)

read top 5 medium articles [My Terminal Setup: iTerm2 + ZSH + Powerlevel10k](#) | by Zubair Ahmed | Webtips | Medium

discuss plugins particularly

`z` vs `scd` vs `wd`

2 zshrc

```
PS1='%F{blue}%~ %(?.%F{green}.%F{red})%#%f '
autoload -Uz compinit
compinit
export EDITOR="vim"
bindkey -v
alias mm='mutt'
alias sk='open -a Skim'
alias vc='vim ~/.vimrc'
alias vz='vim ~/.zshrc'
alias sz='source ~/.zshrc'
alias p2='enscript -C -2 -r -j --media=Letter'
```

```

alias p1='enscript -j --media=Letter'
alias yr="yabai --restart-service"
alias lt='eza -lrFha -sold'
alias mvim="/Applications/MacVim.app/Contents/bin/mvim"
alias tp='trash-put -v'
alias rm='echo "This is not the command you are looking for."; false'
alias s='scd'
alias ZZ='exit'
alias r="radian"
alias nt="nvim"
setopt auto_cd
setopt auto_pushd
setopt pushd_ignore_dups
setopt pushdminus

alias -g ...='../..'
alias -g ....='../.../'
alias -g .....='../.../.../'
alias -g .....='../.../.../.../'

alias -- -='cd -'
alias 1='cd -1'
alias 2='cd -2'
alias 3='cd -3'
alias 4='cd -4'
alias 5='cd -5'
alias 6='cd -6'
alias 7='cd -7'
alias 8='cd -8'
alias 9='cd -9'

alias md='mkdir -p'
alias rd=rmdir

function d () {
    if [[ -n $1 ]]; then
        dirs "$@"
    else
        dirs -v | head -n 10
    fi
}

```

```

    fi
}
compdef _dirs d

# List directory contents
alias lsa='ls -lah'
alias l='ls -lah'
alias ll='ls -lh'
alias la='ls -lAh'
mma () { /Applications/Mathematica.app/Contents/MacOS/WolframKernel -script $1 }
function gz() {
    git add .
    git commit -a -m "$1"
    git push
}

cdpath=($HOME/Dropbox/prj $HOME/Dropbox/sbx $HOME/Dropbox/work )
export TEXINPUTS='./Users/zenn/shr/images:/Users/zenn/shr:'
export PATH=".:opt/homebrew/sbin:opt/homebrew/bin:$PATH:$HOME/bin"

export vpc_id="vpc-14814b73"
export subnet_id="subnet-f02c90ab"
export ami_id="ami-014d05e6b24240371"
export keypair_name="rebecca_app"
export proj_name="rebecca_app"
export instance_type="t2.micro"
export storage_size="30"
export ami_id="ami-014d05e6b24240371"
export security_grp="sg-008cace70d32f6267"
export static_ip='13.56.101.209'

if type rg &> /dev/null; then
    export FZF_DEFAULT_COMMAND='rg --files --hidden --no-ignore-vcs'
    export FZF_DEFAULT_OPTS='-m --height 50% --border'
fi
ZSH_AUTOSUGGEST_HIGHLIGHT_STYLE="fg=011,bg=black,bold,underline"

test -e "${HOME}/.iterm2_shell_integration.zsh" && source "${HOME}/.iterm2_shell_integration.zsh"

LS_COLORS+='pi=01;33:so=01;33:do=01;33:bd=01;33:cd=01;33:su=01;35:sg=01;35:ca=01;35:ex=01;32'

```

```
export LSCOLORS='ExGxDxDxCxDxFxFxexEx'

# TREE_COLORS is used by GNU tree. It looks awful with underlined text, so we turn it off.
export TREE_COLORS=${LS_COLORS//04;}

# Use GNU ls colors in completion lists.
zstyle ':completion:*' list-colors "${(@s..)LS_COLORS}"

source ~/.zsh/zsh-autosuggestions/zsh-autosuggestions.zsh

[[ -s /Users/zenn/.autojump/etc/profile.d/autojump.sh ]] && source /Users/zenn/.autojump/etc/p

    autoload -U compinit && compinit -u
```