一些我觉得有用的工具和方法

 ${\sf spinach/hehelego}$

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Sample

In this slide, some important text will be 1 highlighted because it's important. Please, don't abuse it.

Remark

Sample text

Important theorem

Sample text in red box

Examples

Sample text in green box. The title of the block is "Examples".

声明

- 如标题所言, 只是介绍一些我认为有用的, 我自己经常使用的工具.
- 如果您发现我介绍的某个工具/某种技术在您的平台没有官方支持.
- 如果您发现我口胡的某个理论有明显谬误.
- 如果您发现我的讲述方式过于不友好.
- 如果您发现我在浪费您的时间.

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- a . . .

请您务必及时联系我, 指出问题所在, 我会尽快进行修正 因为我非常重视我的产出的质量, 尤其是公开于其他人的内容. 欢迎来打爆我 gwg...QQ, 微信平台除外

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So, Let's get started

fish shell + python + GNU coreutils

这是什么

是工作环境的基础, 是整个系统暴露给我们的接口, 通过它们进行各种操作.

- fish: friendly interactive shell
 - sematic colorizing (path, command, option, varibles)
 - intuitive syntax&commands
 - suggestions&completion
 - work out of the box
- python: a Beautiful, Explicit, Simple, Sparse programming language that lets you work quickly and integrate systems more effectively
 - suitable for scripting (automatically perform tasks for human).
 - well-developed eco-system for nearly every field.
 - get support from powerful&friendly python users everywhere.
- GNU coreutils: Is, rm, mkdir, cat, tee ...

Examples

这怎么用?

trash-cli

terrible (but common) cases

rm ~/secret-donot-let-the-TAs-know/spinach-cs100-hw-source.tar.gz rm ~/secret-donot-let-the-TAs-know/spinach-cs101-hw-source.tar.gz

Examples

alias rm="trash"

- Delete a file (send to trash):
- trash path/to/file
- List files in trash: trash-list
- Restore file from trash:
 - trash-restore

trash-rm foo

- Empty trash:
- trash-empty
- Empty trash, keeping files trashed less than 10 days ago: trash-empty 10
- trash-empty 10

 Remove all files named `foo' from the trash:
- Remove all files with a given original location:
- trash-rm /absolute/path/to/file_or_directory

futher: btrfs subvolumn snapshot



git: a version control software the distributed version control system

broot/ranger

explorere.exe in your terminal emulator

what is broot/ranger

- ranger: A simple vim-like TUI file manager
- $\bullet \ \mathsf{broot} \colon \mathsf{fuzzy} \ \mathsf{search} \ \mathsf{path} \ + \ \mathsf{tree} \ \mathsf{view} \ + \ \mathsf{quick} \ \mathsf{cd}$

Examples

效果如图所示.

fzf + rg/ag

what is fzf, rg, ag

- fzf: Fuzzy File Finder
- rg: rip grep. Search for matched patterns.
- ag: the silver searcher. Code Searching tool.

Examples

效果如图所示.

(neo) vim² a editor the editor!

features

- multiple editing modes (insert, normal, visual ... up to 12 modes)
- customizability (builtin vimscript/lua VM + python/node.js/ruby RPC)
- lightweight
- strong community support

No more MS visual studio code

- Microsoft Visual Studio Code. (x)
- vscode Code-OSS (√)

Do not miss the KEY part of this lecture

TL;DR pages

What is TL;DR pages

Simplified and community-driven man pages

- "TL;DR" stands for too long; don't read or 太长不看 in Chinese.
- tldr.sh is the official site for TL;DR pages project.

Examples

DFS

- tldr systemd-timesyncd
- @ man systemd-timesyncd
- 3 curl https://www.google.com/?q=systemd-timesyncd

search engines

effective searching tips

- search by *keywords*使用搜索引擎就是查字典, 你难道和字典讲自然语言吗
- use the advanced filtering commands
- take advantages over vertical search and in-site search

Examples

呜呜, 我的 kernel 挂了. 你能帮帮我吗 qwq.

Troubleshooting: how-to

- 1 information gathering
- 2 fix it your self?
- it your sen!
- requesting for support
- hacking!

A few more things 你们还是另请高明吧

(personally) recomendedd applications

- i3wm, bspwm
- rofi
- -----
- graphviz
- surfing keys / vimnium

resources

- wikipedia
- stackexchange
- github
- arch linux community wiki
- 每个人都缺乏"对于自己不熟悉的领域的常识"
- 知道该搜索什么, 哪些关键词是与自己手头的问题相关的, 是相当重要并且市场被忽略的.
- 实用优先于意识形态, 但不可消灭意识形态.
- 优质教程和文档本该存在,因为它们帮助项目吸引 users 和 collaborators,你要做的只是找到这些东西,并且跟随它即可.

 $Q\&A^3$

We warmly welcome further discussion/error correction/suggestions.

spinach/hehelego (GeekPie@ShanghaiTech)



 $^{^3}$ 这次的内容过少,准备不足. 效果不佳. 故不会放在 github 上面. 也不会在任何地方发布/分发. Follow me on github.