

Track your knowledge, track your life

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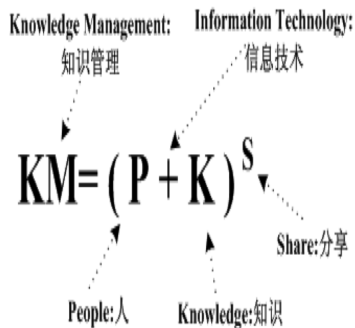
UnitedStack

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PKM – Personal KnowledgeBase management

- 1 Why PKM and why it's hard
- 2 Showcase
- 3 How to enforce
- 4 Challenges

What's PKM I



Why PKM is crucial I

PKM is a useful and lifelong marathon:

- Repeatable success with no extra effort
- Remember your memory and your life
- Start point for sharing and discussion

PKM is the key to continuous success I

Improving self productivity normally means:

- Knowledgebase management
- Time management
- Task management

Quiz for your PKM I

- When facing a problem you experienced twice, how long you need to solve it?
- When others're facing a problem you experienced twice, can you always share your knowledge easily?
- How you share, for the above question? And how long it takes?
- How many megabytes your knowledgebase is?

Quiz for your PKM II

- How frequent you suffer from finding some information among tons of files in your computer?
- When discussing some topic with friends, can you easily get all questions and lesson learned which you pondered before?
- You may find a lot of new stuff to learn during work. But when you're free or idle, do you still get the task list?

Management levels of PKM I

- L0: No comment :)
- L1: Well organized
Remember everything, easily to be retrieved
- L2: Knowledgebase can evolve
Similar knowledge can be easily combined and integrated
- L3: Grow in a collaborate way
Sharing to others, leverage others to learn

Why it's hard I

- Fighting against human natures
Lack of persistence, Innocence, Laziness, Greed
- Take too much effort
Maintaining PKM is like gardening

Why it's hard II

- Too fragile
 - ▶ Information are generated from may different scenarios.
 - ▶ And it come from different files.
- Too easily to mess up
 - ▶ Consider how many pdf, ppt, images, txt you have.
 - ▶ How they are mixed up, after time goes?

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4 Challenges

Share anything in 3 seconds !

```
[#A] Difficulties in openstack :IMPORTANT:BLOG:
:PROPERTIES:
:type: KnowledgeBase_Cloud
:END:
- service
  Num | Item | Comment
  -----
  1 | nova | OpenStack Compute
  2 | glance | 镜像管理: provides discovery, registration, and delivery services
  3 | swift | 对象存储的组件: OpenStack Object Storage
  4 | quantum | 网络管理的组件: a virtual network service for Openstack
  5 | Cinder | 存储管理的组件

Top of 201k (1.8) Git:Master ((Org: Bi yao ting Kong ht Abbrev: Narrow)) (08-25 11:53) 2:18 Mail

[T] insert the export option template
[v] limit export to visible part of outline tree
[I] switch buffer/subtree export
[SPC] publish enclosing subtree (with LaTeX_CLASS or EXPORT_FILE_NAME prop)

[a/n/u] export as ASCII/Latin-1/UTF-8 [A/N/U] to temporary buffer

[h] export as HTML [H] to temporary buffer [R] export region
[b] export as HTML and open in browser

[l] export as LaTeX [L] to temporary buffer
[p] export as LaTeX and process to PDF [d] ... and open PDF file

[D] export as DocBook [V] export as DocBook, process to PDF, and open

[o] export as OpenDocument Text [O] ... and open

[j] export as TaskJuggler [J] ... and open

[m] export as Freemind mind map
[x] export as XOXO
[g] export using Wes Hardaker's generic exporter

[i] export current file as iCalendar file
[I] export all agenda files as iCalendar files [c] ...as one combined file

[F] publish current file [P] publish current project
[X] publish a project... [E] publish every projects
```

Easy to capture I

```

Location: http://www.cyberciti.biz/faq/linux-bsd-sudo-sorry-you-must-have-ttyorun/
* Main menu
  + BASH Shell
  + Troubleshooting
  + Nginx
  + Networking
  + MySQL
  + Google Cloud Platform
  + Amazon Cloud Computing
  + Rackspace Cloud Computing
  + Linux
    o CentOS
    o Debian / Ubuntu
    o Ubuntu Linux
    o Suse
    o RedHat and Friends
    o Slackware Linux
  + UNIX
    o AIX
    o Mac OS X

[0] select a capture template
=====
[m] Mail
[w] Web
[p] Period
[d] Diary
[u] UnitedStack
[j] Job
[c] Communication
[b] Book
[f] Film
-----
[C] Customize org-capture-templates
[q] Abort

```

Easy to retrieve |

```
* [#A] 管理沟通会议 :IMPORTANT:...
* TODO 看战略规划书
* TODO mail: [Review]Nova and Glance Use One Ceph Cluster :noexport:...
* # --<----- separator ----->#--
* web page: Launchpad Help...
* TODO [#B] 尝试Launchpad
* TODO [#A] Launchpad 是围绕看project,bug,blueprint,milestone来管理的,也就是管事的。
* TODO [tracking] 对项目管理的Launchpad...
* # --<----- separator ----->#--
* TODO emacs gnu的与的关系...
* TODO question: 无聊时不知道做什么

18:00 current.org 60 of 646 (1040, 4) dist-master [(Org you blog http://t.cn/R...)] [18:26 11:40] 2.14 Net
27 matches for: "\[+ \[openstack\] in buffer: current.org."
506: * [#B] 每两周写一篇关于openstack的技术文章
8328: * TODO http://www.mrantis.com/blog/openstack-project-technical-lead-interview-series-2-monty-taylor-open
ion-project/
8329: * TODO http://www.openstack.org/foundation/
8330: * TODO http://www.openstack.org/blog/tag/ptl/
8331: * TODO [#A] http://www.joinfu.com/2013/05/working-with-the-openstack-code-review-and-ci-system-chef-editi
9614: * TODO https://wiki.openstack.org/wiki/Summit/Grizzly/Etherpads
9615: * TODO https://wiki.openstack.org/wiki/Summit/Havana/Etherpads
10141: * TODO devstack安装openstack
10227: ** openstack wiki: https://wiki.openstack.org/wiki/Main_Page
10655: * TODO OpenStack Keystone Workflow & Token Scoping
10660: * web page: Mailing Lists - OpenStack
10830: * TODO 个人karma体系的建立,在openstack社区开发中,我们前端的参与度事实上不是很高
10871: * TODO https://etherpad.openstack.org
10933: * TODO openstack Launchpad
10935: * TODO openstack review
11036: * web page: How To Contribute - OpenStack
11292: * web page: Mailing Lists - OpenStack
11461: * web page: Infrastructure Project — OpenStack Project Infrastructure 2013.06.18 documentation
```

How to track I

```
bash-3.2$ tree
.
├── career.org
├── communication.org
├── contacts.org
├── current.org
├── english.org
├── habit.org
├── learn.org
├── often.org
├── org_share
├── ─── cloud.org
├── ─── diary.org
├── ─── language.org
├── ─── life.org
├── ─── linux.org
├── ─── motto.org
├── ─── music.org
├── ─── programming.org
├── ─── question.org
├── ─── skill.org
├── ─── techcore.org
├── ─── topic.org
├── password.org.gpg
├── project.org
├── shopex.org
├── wealth.org
├── wish.org
├── work.org
└── worklog.org

1 directory, 27 files
```

How similar knowledge evolve I

```
Difficulties in latex beamer :IMPORTANT:BLOG:
:PROPERTIES:
:type: KnowledgeBase_Question
:END:
http://blog-images.s3.ec-ae.com/blog\_latex.png

| Name | Summary |
|-----|-----|
| 换行 | #+LaTeX:\vspace{3pt} |
| 换页 | #+LaTeX:\pagebreak |
| latex 渐变色彩 | \setbeamertemplate{background canvas}[vertical shading][bottom=red!20,top=yellow!30] |
| org-mode export | M-x org-export-as-latex; pdflatex ./talk.tex |
| [question] org-mode beamer insert current date... |
| [question] email 没有显示到beamer中 |
| [question] [#A] 去掉目录前的number, 以及section后的number :IMPORTANT: |
| # --8<----- separator ----->8-- |
| [question] org-beam 如何对item 设置动画效果... |
| [question] latex: 加引用... |
| [question] latex beam 设置keywords... |
| [question] latex 字体... |
| [question] latex 高亮显示某个keyword... |
| [question] latex beam 的字体和样式设置... |
| [question] latex 在首页时, 不显示institute的全部; 同时显示邮箱; 设置得字体更好看一些 |
| [question] latex 色彩... |
| # --8<----- separator ----->8-- |
| DONE latex 渐变色彩... |
| DONE [#B] latex 底层category... |
| DONE latex: 添加picture... |
| DONE latex 文字中加小图标... |
| DONE latex 设置副标题, 公司... |
| DONE latex: Vertical alignment within slides... |
| DONE latex: Splitting a slide into columns... |
| DONE latex overlays: 动画效果... |
| DONE [#B] latex 强制分页... |
| CANCELED section 的大标题太小了... |
| CANCELED 生成宋体失败... |
| useful link... |
| web page: Ubuntu 下安装Latex [转] - 龙豆 - 博客园... |
| web page: TeX 与 LaTeX 简介 :noexport:... |
```


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4 Challenges

Guidline of PKM I

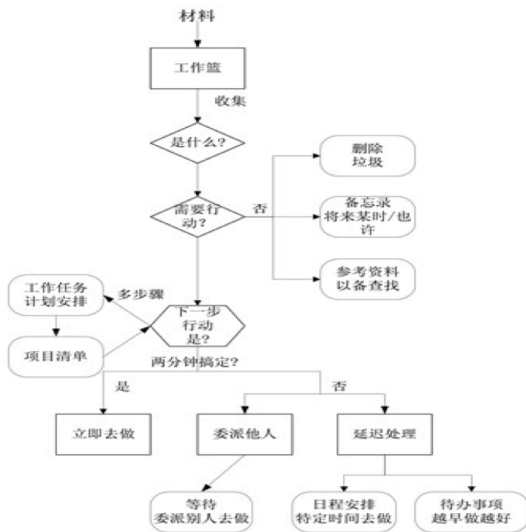
Item	Comment
Remember everything	Work, Life, Interests, etc
Fast to retrieve	Plain text search and hierarchy seach
Self-evolution	It's simple not just record
Public share	Public export will force you to improve it
Easy to share	Low the overhead, do it socially
Keep it in plain text	Different binary files tend to be isolated
Clear division	No ambiguous for the hierarchy search

Hierarchy I

Maintain PKM in three tiers:

Tier	Summary	Comment
1	Hot list	Current todo and wish list
2	Active Knowledgebase	work/life/contacts/project/Diary, etc
3	Full Knowledgebase	Anything useful

PKM with GTD I



What to track I

For me, the content can be divided into:

Work:

- major tasks in daily work, working projects
- code snippets, console output, various usage of cli
- mail, screenshots, meeting notes
- links and partial content of web pages, etc

What to track II

Life:

- songs, books, movie, etc
- random thoughts, pain points coming out in a flash
- phone call, f2f chat, im chat
- diary, contacts, personal ledger
- Ideas, brainstorming, lesson learned, etc

What to track III

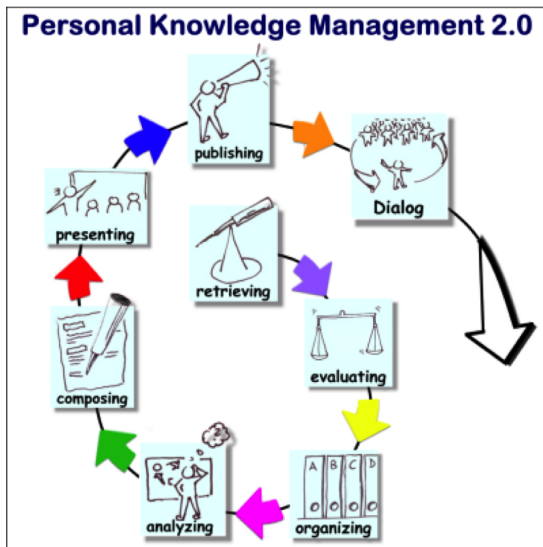
Interests:

- programming languages
- emacs, cloud computing, mobile computing, etc

Misc:

- Other stuff

Lifecycle of PKM I



Tools of PKM I

- **Org-mode of emacs**
- Wiki Pattern: Vimwiki, Tiddlywiki
- Email Pattern: gmail, Outlook, qqmail
- Mindmap Pattern: Freemind, Xmind
- Web page pattern: Evernote, OneNote, WizKnowledge
- And so forth

Backup it in a minimum size I

Keep data small

- No need to backup everything, just the important things.
- Never store useless, huge files
- Never store eBooks you won't read
- Prevent storing too many store high resolution photos
- Prevent storing movies, large software

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Challenges for me I

- How to do it in a more collaborate way
- Make my exported knowledgebase more attractive
- Integrate PKM with my mobile phone
- Track 'soft' knowledge
- ...

References I

<http://www.davidco.com/forum/index.php>

<http://www.mindtools.com/index.html>

<http://www.mifengtd.cn/>

<http://zenhabits.net/>

<http://www.gtdlife.cn/>

<http://www.gtdstudy.com/>

<http://book.douban.com/subject/1430904/>

<http://book.douban.com/subject/1048007>

<http://book.douban.com/subject/4198078>

THX



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