Knowledge Documentation

Release 1.0

Tower Joo

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CONTENTS

I love python and python related stuffs, e.g django, sphinx and etc.

To make everything in a good state, I use sphinx to generate the docs to server as a knowledge management system.

The content will include the stuffs I learned in the college life and working life. And the tips to remind me to prevent forgetting.

Note: Thousands of times' reading is less than one time's writing.

– quotted from a Chinese old proverb

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Contents:

CHAPTER

ONE

ABOUT

Contents

1.1 About me

My name is Tower Joo(in Chinese), which have the following meaning:

- Tower means a great traditional building, which stands for thousands of years
- Joo is my family name to match my Chinese name's pronunciation.

I'm living in Beijing, China and I graduated from GUCAS for my master degree, and XIPT for my bachelor degree, in which my major is Computer Sciences.

I love Python, which a great elegent and *stupid* language. I use Python to work on *Social Game*, *scripts*, *prototype* and etc. Django, Sphinx and other Python related stuffs are my favorites too.

You can find my blog from mindsbook and you can also follow me at @towerjoo twitter (for twitter), and @towerjoo sina (for sina).

1.2 Contact me

You can contact me from the following ways:

- Email : zhutao AT halfquest.com
- Gtalk/MSN : same with Email
- Twitter: @towerjoo twitter
- Sina microblog: @towerjoo sina
- blog : mindsbook

Anything with the site or share of python/social game/startup related stuffs will be welcomed.

1.3 About the docs

These docs are for my knowledge management. Using sphinx to record *What I've learned*, *what should be noticed*, *what tips can be used to ease something*.

I hope the knowledge database will not just benefit myself but also can help others to avoid some difficulties and traps.

All docs will evolve.

CHAPTER

TWO

I LOVE PYTHON

Python is a great language.

Contents:

2.1 Python on Web

Contents:

2.1.1 Gunicorn

Gunicorn 'Green Unicorn' is a Python WSGI HTTP Server for UNIX. It's a pre-fork worker model ported from Ruby's Unicorn project. The Gunicorn server is broadly compatible with various web frameworks, simply implemented, light on server resources, and fairly speedy.

Gunicorn and Django

1. you can install Gunicorn using easy_install or pip
2. add *gunicorn* to INSTALLED_APP in django's settings.py
3. run *python manage.py run_gunicorn -b 127.0.0.1:1234 –daemon* to start
4. configure nginx to make it proxy requests to gunicorn by adding *proxy_pass http://127.0.0.1:1234* in the config file

Then everything is done and you can visit your django app in *http://hostname:port* based on the nginx file config.

2.1.2 Django is great

tips

Note: when you got the queryset from calling *ModelClass.objects.filter(condition)* and refer the element using [] and save it at last, which **WON'T hit the database**, and it will beyond your expectation. See the below codes:

```
a = Blog.objects.filter(title__contains="django")
a[0].last_update_time = datetime.now()
a[0].save()               # won't work as you expect
print a[0].last_update_time # this will print the old one
```

```
# but you can
b = a[0]
b.last_update_time = datetime.now()
b.save()                    # will work as expected
```

CHAPTER

THREE

MANAGEMENT IS WITH LIFE ALL THE TIME

Management is to make choices.

How can we make a cleverer choice? time and experience can tell you.

Contents:

CHAPTER

FOUR

SOME BLOG ENTRIES

Blog can be a great way to write something in a free style or in a serious way. Just make it fit you~

Contents:

4.1 About the Great Read The Docs

“Hey, I’ve started to use RTD to do my knowledge management.”

I read the blog article from Eric‘s Announcing Read The Docs days ago and I set up my online doc system 2 days ago. And RTD is really amazing! You can:

- write your docs using sphinx
- host your doc in any service with mainstream source management system support(git, mercurial or svn)
- push to the server and the online doc will update in real time
- it’s written in Django (Check out the source code from github)!

Why not to set up your own and it’s free!

CHAPTER

FIVE

INDICES AND TABLES

- *genindex*
- *modindex*
- *search*