gentle Documentation

Release 0.1

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Download http://pypi.python.org/pypi/gentle

Source http://github.com/dongweiming/gentle

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What is a Gentle?

As a programmer, I thought There may be a step to deployed to the test environment:

- Copy of your code to the test server, enter the username and password.

- Restart your test environment, such as nginx, superviosr.

- Local to see results, repeat 1-2

It is a waste of time...

Gentle can help you automated do that. The development process is:

- Switch to the directory you want to develop

- Initialization gentle:

    - configure the directory you want to sync (use rsync)

    - set the test environment server ip, port, username and password

    - configure every time you want to update the code in the service restart

- You only need coding and following this command:

```
$gt publish
```

If You are more lazyer, you can use:

```
$gt p
```

That's all

Install

First You must install *sshpass*, IN fabric rsync_project need input password again. I use sshpass automation of this process

In ubuntu direct use apt-get/aptitude:

```
$sudo apt-get install sshpass
```

Other platform, Go `http://sourceforge.net/projects/sshpass` donwload the lastest verison, then type the following command:

```
$tar zxvf sshpass-1.05.tar.gz && cd sshpass-1.05
$./configure && make && sudo make install
```

Then install *gentle*, You only use:

```
$sudo pip install gentle
```

or:

```
$git clone https://github.com/dongweiming/gentle
$cd gentle
$sudo python setup.py install
```

Get Started

- **gt**

    After you install, you can use *gt* , Similar *fab* but very different.

- **init**

    When you start to use gentle for the current directory. You first init it:

    ```
    $cd /Your/app/directory
    $gt init
    ```

    It can add a file with name *****.gentle.yaml' to this directory.

- **show**

    when complete initialization, you can show settings for default:

    ```
    $cat .gentle.yaml
    host: localhost:22
    password: 123456
    gateway:
    gatewaypassword:
    rsync:
      lpath: $ROOT
      rpath: /root
    services:
      nginx:
        command: /etc/init.d/nginx restart
        lpath: $ROOT/nginx.conf
        priority: 3
        rpath: /etc/nginx/nginx.conf
        sudo: true
        user: root
     supervisor:
        command: supervisorctl -c /etc/supervisor/supervisord.conf restart all
        lpath: $ROOT/supervisord.conf
        priority: 2
        rpath: /etc/supervisor/supervisord.conf
        sudo: true
        user: root
    username: root
    ```

3.1 Parameter Description

host environment server, can use *user@host:port*, or *host*, or *host:port*, or hosts list: [*user@host1:port*, *user@host2:port*...]

password account's password.

gateway Gateway server(Jump server) use *user@host:port*, or *host*, or *host:port*

gatewaypassword Gateway server's password

rsync which dir that you want to sync.

services which services that you want to restart.

username which account to use.

lpath local path, you can use *$ROOT$* for current directory.

rpath remote path.

command How to restart service's command.

priority It for restart's order, it's bigger, and restart earlier.

sudo A bool for tell gentle use sudo or not.

user When use sudo which account to use. default it's username's value.

- **list help**

  You can use:

  ```
  $gt -h
  ```

- **list commands**

  You can type the following command to show available commands:

  ```
  $gt -l
  ```

- **output type**

  Gnetle is use fabric default output type. you can find available type which:

  ```
  $gt -h
  ```

  You can assign it:

  ```
  $gt --show=debug,user rs # Only show debug,user type
  $gt --hide=warning rs #Hide status,aborts,warnings three types
  $gt --show debug rs --only #Only show debug type
  ```

3.2 Command Description

rsync/rs Rsync your local dir to remote.

restart/rt Restart your services.

pubish/p Publish your app, It equal *rsync + restart*.

showconf/show Show gentle settings.

setconf/set Set gentle conf. You can directly edit. Gentle.yaml file, you can also choose this command:

```
– gt set:key=services.nginx.rpath,value=/root
– gt s:key=host,value=8.8.8.8:12345
– gt s:key=rsync.rpath,value=/root

dot is the separator.
```

Enjoy it

4.1 Gentle module

Indices and tables

- genindex
- modindex
- search