Read the docs安装说明

# 安装要求

## 更新python2.7

1. 查看python版本

python  -V

1. 下载Python-2.7.3

wget http://python.org/ftp/python/2.7.3/Python-2.7.3.tar.bz2

1. 解压

tar -jxvf Python-2.7.3.tar.bz2

1. 更改工作目录

cd Python-2.7.3

1. 安装

./configure

make all

make install

make clean

make distclean

1. 查看版本信息

/usr/local/bin/python2.7 -V

1. 建立软连接，使系统默认的 python指向 python2.7

mv /usr/bin/python /usr/bin/python2.6.6

ln -s /usr/local/bin/python2.7 /usr/bin/python

1. 重新检验Python 版本

python -V

1. 解决系统 Python 软链接指向 Python2.7 版本后，因为yum是不兼容 Python 2.7的，所以yum不能正常工作，我们需要指定 yum 的Python版本

vi /usr/bin/yum

将文件头部的  
#!/usr/bin/python

改成  
#!/usr/bin/python2.6.6

## 安装[virtualenv](http://pypi.python.org/pypi/virtualenv) 13.1.2

## 安装pip

1. pip下载安装

wget "https://pypi.python.org/packages/source/p/pip/pip-1.5.4.tar.gz#md5=834b2904f92d46aaa333267fb1c922bb" --no-check-certificate

|  |
| --- |
| tar -xzvf pip-1.5.4.tar.gz  cd pip-1.5.4  python setup.py install |

Python版本是Python2.7.3，使用pip安装lxml包失败，错误信息如下：

1. src/lxml/lxml.etree.c:157929: error: ‘xsltLibxsltVersion’ undeclared (first use in this function)
2. src/lxml/lxml.etree.c:157941: error: ‘\_\_pyx\_v\_4lxml\_5etree\_XSLT\_DOC\_DEFAULT\_LOADER’ undeclared (first use in this function)
3. src/lxml/lxml.etree.c:157941: error: ‘xsltDocDefaultLoader’ undeclared (first use in this function)
4. src/lxml/lxml.etree.c:157950: error: ‘\_\_pyx\_f\_4lxml\_5etree\_\_xslt\_doc\_loader’ undeclared (first use in this function)
5. error: command 'gcc' failed with exit status 1

解决方法是先安装libxslt开发包：

yum install libxslt-devel

python setup.py install

然后安装lxml:

pip-2.7 install lxml

最后确认libxml安装结果：

[root@dev1 scripts]# rpm -qa | grep libxml  
libxml2-2.6.26-2.1.15.el5\_8.5  
libxml2-devel-2.6.26-2.1.15.el5\_8.5  
libxml2-python-2.6.26-2.1.2.8  
libxml2-devel-2.6.26-2.1.15.el5\_8.5  
libxml2-2.6.26-2.1.15.el5\_8.5

新问题：

<http://bbs.csdn.net/topics/390888318>

问题：

(rtd)[root@localhost readthedocs.org]# ./manage.py migrate

Traceback (most recent call last):

File "./manage.py", line 11, in <module>

execute\_from\_command\_line(sys.argv)

File "/root/rtd/lib/python2.7/site-packages/django/core/management/\_\_init\_\_.py", line 338, in execute\_from\_command\_line

utility.execute()

File "/root/rtd/lib/python2.7/site-packages/django/core/management/\_\_init\_\_.py", line 303, in execute

settings.INSTALLED\_APPS

File "/root/rtd/lib/python2.7/site-packages/django/conf/\_\_init\_\_.py", line 48, in \_\_getattr\_\_

self.\_setup(name)

File "/root/rtd/lib/python2.7/site-packages/django/conf/\_\_init\_\_.py", line 44, in \_setup

self.\_wrapped = Settings(settings\_module)

File "/root/rtd/lib/python2.7/site-packages/django/conf/\_\_init\_\_.py", line 92, in \_\_init\_\_

mod = importlib.import\_module(self.SETTINGS\_MODULE)

File "/usr/local/lib/python2.7/importlib/\_\_init\_\_.py", line 37, in import\_module

\_\_import\_\_(name)

File "/root/rtd/checkouts/readthedocs.org/readthedocs/settings/\_\_init\_\_.py", line 3, in <module>

from .base import \* # noqa

File "/root/rtd/checkouts/readthedocs.org/readthedocs/settings/base.py", line 3, in <module>

import djcelery

ImportError: No module named djcelery

解决：

pip install django-celery

问题：

(rtd)[root@localhost readthedocs.org]# ./manage.py migrate

Traceback (most recent call last):

File "./manage.py", line 11, in <module>

execute\_from\_command\_line(sys.argv)

File "/root/rtd/lib/python2.7/site-packages/django/core/management/\_\_init\_\_.py", line 338, in execute\_from\_command\_line

utility.execute()

File "/root/rtd/lib/python2.7/site-packages/django/core/management/\_\_init\_\_.py", line 312, in execute

django.setup()

File "/root/rtd/lib/python2.7/site-packages/django/\_\_init\_\_.py", line 18, in setup

apps.populate(settings.INSTALLED\_APPS)

File "/root/rtd/lib/python2.7/site-packages/django/apps/registry.py", line 85, in populate

app\_config = AppConfig.create(entry)

File "/root/rtd/lib/python2.7/site-packages/django/apps/config.py", line 86, in create

module = import\_module(entry)

File "/usr/local/lib/python2.7/importlib/\_\_init\_\_.py", line 37, in import\_module

\_\_import\_\_(name)

ImportError: No module named pagination

# 安装过程

参见：<https://docs.readthedocs.org/en/latest/install.html>

Once you have these, create a virtual environment somewhere on your disk, then activate it:

virtualenv rtd

cd rtd

source bin/activate

You will need to verify that your pip version is higher than 1.5 you can do this as such:

pip **--**version

If this is not the case please update your pip version before continuing:

pip install --upgrade pip

Create a folder in here, and clone the repository:

mkdir checkouts

cd checkouts

git clone https://github.com/rtfd/readthedocs.org.git

Next, install the dependencies using pip (included with [virtualenv](http://pypi.python.org/pypi/virtualenv)):

cd readthedocs.org

pip install -r requirements.txt

./manage.py migrate

Then please create a superuser account for Django:

./manage.py createsuperuser

By now, it is the right time to load in a couple users and a test projects:

./manage.py loaddata test\_data

./manage.py runserver

# 撰写文档

安装Sphinx

pip install –U Sphinx

创建目录

cd /path/to/project

mkdir docs

cd docs

sphinx-quickstart

参考：

<https://read-the-docs.readthedocs.org/en/latest/install.html>

<http://readthedocs.readthedocs.org/zh_CN/latest/getting_started.html>

<http://blog.csdn.net/u012150179/article/details/30517675>

(rtd)[root@localhost readthedocs.org]# ./manage.py migrate

System check identified some issues:

WARNINGS:

gold.GoldUser.user: (fields.W342) Setting unique=True on a ForeignKey has the same effect as using a OneToOneField.

HINT: ForeignKey(unique=True) is usually better served by a OneToOneField.

Operations to perform:

Synchronize unmigrated apps: pagination, github, corsheaders, copyright, privacy, staticfiles, djcelery, messages, bitbucket, restapi, allauth, djangosecure, django\_extensions, rtd\_tests, dj

ango\_gravatar, rest\_framework, haystack, doc\_builder Apply all migrations: core, account, builds, gold, sessions, admin, guardian, tastypie, redirects, comments, sites, contenttypes, auth, taggit, oauth, bookmarks, donate, projects, socialacco

untSynchronizing apps without migrations:

Creating tables...

Running deferred SQL...

Installing custom SQL...

Running migrations:

No migrations to apply.

Your models have changes that are not yet reflected in a migration, and so won't be applied.

Run 'manage.py makemigrations' to make new migrations, and then re-run 'manage.py migrate' to apply them.

(rtd)[root@localhost readthedocs.org]# python manage.py makemigrations

System check identified some issues:

WARNINGS:

gold.GoldUser.user: (fields.W342) Setting unique=True on a ForeignKey has the same effect as using a OneToOneField.

HINT: ForeignKey(unique=True) is usually better served by a OneToOneField.

Migrations for 'gold':

0002\_auto\_20151012\_0059.py:

- Alter field level on golduser

(rtd)[root@localhost readthedocs.org]# python manage.py migrate

System check identified some issues:

WARNINGS:

gold.GoldUser.user: (fields.W342) Setting unique=True on a ForeignKey has the same effect as using a OneToOneField.

HINT: ForeignKey(unique=True) is usually better served by a OneToOneField.

Operations to perform:

Synchronize unmigrated apps: pagination, github, corsheaders, copyright, privacy, staticfiles, djcelery, messages, bitbucket, restapi, allauth, djangosecure, django\_extensions, rtd\_tests, dj

ango\_gravatar, rest\_framework, haystack, doc\_builder Apply all migrations: core, account, builds, gold, sessions, admin, guardian, tastypie, redirects, comments, sites, contenttypes, auth, taggit, oauth, bookmarks, donate, projects, socialacco

untSynchronizing apps without migrations:

Creating tables...

Running deferred SQL...

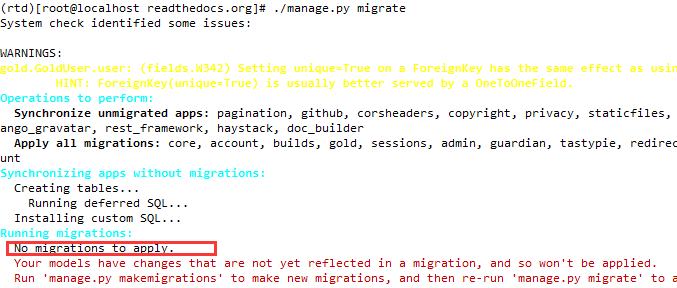
Installing custom SQL...

Running migrations:

Rendering model states... DONE

Applying gold.0002\_auto\_20151012\_0059... OK

(rtd)[root@localhost readthedocs.org]#



<http://stackoverflow.com/questions/25958708/django-1-7-no-migrations-to-apply-when-run-migrate-after-makemigrations>

