
创建 Sphinx + GitHub + ReadtheDocs 托管文档

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参见:
[GitHub 代码链接](#)

注解:

Sphinx	Github	ReadtheDocs
 SPHINX <small>Python Documentation Generator</small>	GitHub	 Read the Docs

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最终效果

The image shows a web browser window displaying the Read the Docs website. The page is titled "1. Linux配置" (1. Linux Configuration). The left sidebar contains a navigation menu with the following items: "创建Sphinx + GitHub + ReadtheDocs托管文档", "1. Linux配置", "1.1. 更换Ubuntu源", "1.2. 安装Python3、pip", "2. Github配置", "3. Sphinx配置", and "4. Readthedocs配置". The main content area shows the "1. Linux配置" section, with sub-sections "1.1. 更换Ubuntu源" and "1.1.1. step 1: 首先看看国内有哪些源". The top of the page has a blue header with the site name and a search bar. The bottom of the page has a footer with "Read the Docs" and "v: latest".

Win10 Ubuntu 子系统路径: %USERNAME%\AppData\Local\Packages\CanonicalGroupLimited.
UbuntuonWindows_79rhkp1fndgsc\LocalState\rootfs

2.1 更换 Ubuntu 源

2.1.1 step 1: 首先看看国内有哪些源

2.1.2 step 2: 获取 Ubuntu 代号

```
lsb_release -a
```

Ubuntu 18.04.1, 查出来的代号就是 bionic.

2.1.3 step 3: 编辑源

模板:18.04source

```
deb http://cn.archive.ubuntu.com/ubuntu/ boinc main restricted universe multiverse
deb http://cn.archive.ubuntu.com/ubuntu/ boinc-security main restricted universe multiverse
deb http://cn.archive.ubuntu.com/ubuntu/ boinc-updates main restricted universe multiverse
deb http://cn.archive.ubuntu.com/ubuntu/ boinc-backports main restricted universe multiverse
##测试版源
deb http://cn.archive.ubuntu.com/ubuntu/ boinc-proposed main restricted universe multiverse
# 源码
deb-src http://cn.archive.ubuntu.com/ubuntu/ boinc main restricted universe multiverse
deb-src http://cn.archive.ubuntu.com/ubuntu/ boinc-security main restricted universe multiverse
deb-src http://cn.archive.ubuntu.com/ubuntu/ boinc-updates main restricted universe multiverse
deb-src http://cn.archive.ubuntu.com/ubuntu/ boinc-backports main restricted universe multiverse
##测试版源
deb-src http://cn.archive.ubuntu.com/ubuntu/ boinc-proposed main restricted universe multiverse
# Canonical 合作伙伴和附加
deb http://archive.canonical.com/ubuntu/ boinc partner
deb http://extras.ubuntu.com/ubuntu/ boinc main
```

红色边框: 服务器地址

紫色边框: Ubuntu 的代号 (Codename)

2.1.4 step 4: 修改源文件 sources.list

先备份

```
sudo cp /etc/apt/sources.list /etc/apt/sources.list.bckup
```

再修改 (如改为 163 源)

```
#163 源
deb http://mirrors.163.com/ubuntu/ bionic main restricted universe multiverse
deb http://mirrors.163.com/ubuntu/ bionic-security main restricted universe multiverse
deb http://mirrors.163.com/ubuntu/ bionic-updates main restricted universe multiverse
deb http://mirrors.163.com/ubuntu/ bionic-proposed main restricted universe multiverse

## 测试版源
deb http://mirrors.163.com/ubuntu/ bionic-backports main restricted universe multiverse

# 源码
deb-src http://mirrors.163.com/ubuntu/ bionic main restricted universe multiverse
deb-src http://mirrors.163.com/ubuntu/ bionic-security main restricted universe
↳multiverse
deb-src http://mirrors.163.com/ubuntu/ bionic-updates main restricted universe multiverse
deb-src http://mirrors.163.com/ubuntu/ bionic-proposed main restricted universe
↳multiverse
```

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```
## 测试版源
deb-src http://mirrors.163.com/ubuntu/ bionic-backports main restricted universe
↪multiverse
```

2.1.5 step 5: 更新软件列表和升级

更新软件列表 (检测出可更新的软件):

```
sudo apt update
```

更新软件:

```
sudo apt upgrade
```

2.2 安装 Python3、pip

```
# 安装 python3
sudo apt install python3
# 安装 pip
sudo apt install python3-pip
```

2.2.1 更换 pip 源

pip 国内的一些镜像

修改 ~/.pip/pip.conf (没有就创建一个), 内容如下:

```
[global]
index-url = https://pypi.tuna.tsinghua.edu.cn/simple
trusted-host=mirrors.aliyun.com
```


CHAPTER 3

Github 配置

克隆一个新的公共的空白仓库到本地 `~\Sphinx_GitHub_ReadtheDocs`

目录结构：

```
.  
LICENSE  
README.md
```


4.1 安装 Sphinx、及其插件

```
pip3 install sphinx sphinx_rtd_theme recommonmark sphinx-markdown-tables sphinxemoji
```

4.2 初始化 Sphinx

```
# 进入 Git 根目录
cd ~/Sphinx_GitHub_ReadtheDocs
# 开始快速配置 sphinx
sphinx-quickstart

# 选择把源文件和删除文件分开 (y)
> Separate source and build directories (y/n) [n]:y
# 项目名称
> Project name: Sphinx_GitHub_ReadtheDocs
# 作者姓名
> Author name(s): Tsanfer
# 版本号
> Project release []: 0.2
```

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```
# 语言
> Project language [en]: zh_CN
```

目录结构:

```
.
  LICENSE
  Makefile
  README.md
  make.bat
  source
    _static
    _templates
    conf.py
    index.rst
```

验证配置是否正确:

```
cd ~/Sphinx_GitHub_ReadtheDocs
make html
```

浏览器打开./build/index.html 查看

4.3 配置 Sphinx 主题, 插件

配置./source/conf.py 配置文件:

```
# -- General configuration -----

# Add any Sphinx extension module names here, as strings. They can be
# extensions coming with Sphinx (named 'sphinx.ext.*') or your custom
# ones.

extensions = [
    'recommonmark',
    'sphinx_markdown_tables',
    'sphinxemoji.sphinxemoji',
]

# -- Options for HTML output -----
```

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```
# The theme to use for HTML and HTML Help pages.  See the documentation for
# a list of builtin themes.
#
html_theme = 'sphinx_rtd_theme'

# The master toctree document.
master_doc = 'index'
```

添加./requirements.txt pip 要求文件 (Readthedocs 配置时需要用到)

```
# markdown suport
recommonmark
# markdown table suport
sphinx-markdown-tables
#emoji
sphinxemoji

# theme default rtd

# crate-docs-theme
sphinx-rtd-theme
```

4.4 更改标题, 添加目录, 添加文件

配置./source/index.rst 文件:

创建 Sphinx + GitHub + ReadtheDocs 托管文档

```
=====

.. toctree::
   :maxdepth: 2
   :numbered:

   Sphinx_GitHub_ReadtheDocs
```

创建./source/Sphinx_GitHub_ReadtheDocs.md 文件

```
# here is a test markdown file
```

然后同步到 Github

CHAPTER 5

Readthedocs 配置



Tsanfer/Sphinx_GitHub_ReadtheDocs

https://github.com/Tsanfer/Sphinx_GitHub_ReadtheDocs.git



导入代码库:

所需求的文件

`./requirements.txt`

指定 pip 要求文件: `./requirements.txt` 需要 pip 要求文件 来构建你的文档。路径从你项目

完成

官方 Sphinx + Readthedocs 教程

CHAPTER 6

官方 Sphinx + Readthedocs 教程
