

# linux下如何离线安装nginx



听风不予 关注

0.505 2019.05.10 17:36:08 字数 335 阅读 5,588

折腾了一天的时间在linux安装nginx，发现系统上什么都没有，需要安装各种依赖，走了许多坑，正与填完了，在这里和大家分享一下；

## 一.准备安装包

gcc  
gcc-c++  
openssl  
zlib  
pcre  
nginx

我的linux是CentOS7的

最新最全的安装包已经为大家准备好了：

<https://download.csdn.net/download/u012885136/11171078>

nginx-1.15.12.tar.gz	2019/5/9 20:30	GZ 文件	1,009 KB
openssl-1.0.2r.tar.gz	2019/5/9 21:13	GZ 文件	5,224 KB
pcre-8.42.tar.gz	2019/5/10 9:03	GZ 文件	2,033 KB
zlib-1.2.11.tar.gz	2019/5/9 16:56	GZ 文件	594 KB

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cpp-4.8.2-16.el7.x86_64.rpm	2019/5/9 20:44	RPM 文件	6,071 KB
gcc-4.8.2-16.el7.x86_64.rpm	2019/5/9 20:48	RPM 文件	16,429 KB
gcc-c++-4.8.5-36.el7.x86_64.rpm	2019/5/10 9:23	RPM 文件	7,359 KB
glibc-2.17-55.el7.x86_64.rpm	2019/5/9 20:42	RPM 文件	3,655 KB
glibc-common-2.17-55.el7.x86_64.rpm	2019/5/9 20:46	RPM 文件	11,456 KB
glibc-devel-2.17-55.el7.x86_64.rpm	2019/5/9 20:42	RPM 文件	1,039 KB
glibc-headers-2.17-55.el7.x86_64.rpm	2019/5/9 20:42	RPM 文件	651 KB
glibc-static-2.17-55.el7.x86_64.rpm	2019/5/9 20:43	RPM 文件	1,539 KB
glibc-utils-2.17-55.el7.x86_64.rpm	2019/5/9 20:42	RPM 文件	193 KB
kernel-headers-3.10.0-123.el7.x86_64...	2019/5/9 20:43	RPM 文件	1,455 KB
libmpc-1.0.1-3.el7.x86_64.rpm	2019/5/9 20:51	RPM 文件	51 KB
libstdc++-devel-4.8.5-36.el7.x86_64.r...	2019/5/10 9:22	RPM 文件	1,543 KB
mpfr-3.1.1-4.el7.x86_64.rpm	2019/5/9 20:50	RPM 文件	204 KB

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## 二.安装：

### 第一步：安装gcc和gcc-c++

这里是rpm二进制的文件

### PHP全栈/PHF

PHP实践教学 原  
tp框架+ 微服务+  
列



听风不予

关注

总资产3 (约0.35元)

nginx 编译安装与配置环境变量  
阅读 121

浅谈let和const的使用以及注意事项  
阅读 532

### 推荐阅读

把显卡/GPU跑在k8s集群里  
阅读 1,590

动态修改Vue项目中的页面title  
阅读 1,785

聊聊skywalking的SamplingService  
阅读 245

micrometer埋点（Spring boot 2.X  
metrics）  
阅读 799

疫情期间宅家写了个网站  
阅读 7,746

### PHP7/lara

学PHP全能开发

- gcc-c++-4.8.5-36.el7.x86\_64.rpm
- glibc-2.17-55.el7.x86\_64.rpm
- glibc-common-2.17-55.el7.x86\_64.rpm
- glibc-devel-2.17-55.el7.x86\_64.rpm
- glibc-headers-2.17-55.el7.x86\_64.rpm
- glibc-static-2.17-55.el7.x86\_64.rpm
- glibc-utils-2.17-55.el7.x86\_64.rpm

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所有的文件都放在同一个目录下，执行以下命令

```
1 | rpm -Uvh *.rpm --nodeps --force
```

## 第二步安装pcre

```
1 | tar -zxvf pcre-8.42.tar.gz
2 | ./configure
3 | make
4 | make install
```

```
config.status: creating libpcre32.pc
config.status: creating libpcreposix.pc
config.status: creating libpcrecpp.pc
config.status: creating pcre-config
config.status: creating pcre.h
config.status: creating pcre_stringpiece.h
config.status: creating pcrecpparg.h
config.status: creating config.h
config.status: executing default commands
config.status: executing libtool commands
config.status: executing script-chmod commands
config.status: executing delete-old-charset commands

pcre-8.42 configuration summary:

Install prefix ..... : /usr/local
C preprocessor ..... : gcc -E
C compiler ..... : gcc
C++ preprocessor ..... : g++ -E
C++ compiler ..... : g++
Linker ..... : /usr/bin/ld -m elf_x86_64
C preprocessor flags ..... :
C compiler flags ..... : -g -O2 -fvisibility=hidden
C++ compiler flags ..... : -O2 -fvisibility=hidden -fvisibility-inlines-hidden
Linker flags ..... :
Extra libraries ..... :

Build 8 bit pcre library ..... : yes
Build 16 bit pcre library ..... : no
Build 32 bit pcre library ..... : no
Build C++ library ..... : yes
Enable JIT compiling support ..... : no
Enable UTF-16/32 support ..... : no
Unicode properties ..... : no
Newline char/sequence ..... : lf
VR matches only ANYCRLF ..... : no
ESDIO coding ..... : no
ESDIO code for NL ..... : n/a
Rebuild char tables ..... : no
Use stack recursion ..... : yes
POSIX mem threshold ..... : 10
Internal link size ..... : 2
Matched parentheses limit ..... : 250
Match limit ..... : 1000000
Match limit recursion ..... : MATCH_LIMIT
Build shared libs ..... : yes
Build static libs ..... : yes
Use JIT in pcregrep ..... : no
Buffer size for pcregrep ..... : 20480
Link pcregrep with libz ..... : no
Link pcregrep with libbz2 ..... : no
Link pcretest with libedit ..... : no
Link pcretest with libreadline ..... : no
Valgrind support ..... : no
Code coverage ..... : no
```

pcre安装.png

```
ln -sf pcre_config.3 /usr/local/share/man/man3/pcre32_config.3
ln -sf pcre_copy_named_substring.3 /usr/local/share/man/man3/pcre32_copy_named_substring.3
ln -sf pcre_copy_substring.3 /usr/local/share/man/man3/pcre32_copy_substring.3
ln -sf pcre_dfa_exec.3 /usr/local/share/man/man3/pcre32_dfa_exec.3
ln -sf pcre_exec.3 /usr/local/share/man/man3/pcre32_exec.3
ln -sf pcre_free_study.3 /usr/local/share/man/man3/pcre32_free_study.3
ln -sf pcre_free_substring.3 /usr/local/share/man/man3/pcre32_free_substring.3
ln -sf pcre_free_substring_list.3 /usr/local/share/man/man3/pcre32_free_substring_list.3
ln -sf pcre_fullinfo.3 /usr/local/share/man/man3/pcre32_fullinfo.3
ln -sf pcre_get_named_substring.3 /usr/local/share/man/man3/pcre32_get_named_substring.3
ln -sf pcre_get_stringnumber.3 /usr/local/share/man/man3/pcre32_get_stringnumber.3
ln -sf pcre_get_stringtable_entries.3 /usr/local/share/man/man3/pcre32_get_stringtable_entries.3
ln -sf pcre_get_substring.3 /usr/local/share/man/man3/pcre32_get_substring.3
ln -sf pcre_get_substring_list.3 /usr/local/share/man/man3/pcre32_get_substring_list.3
ln -sf pcre_jit_exec.3 /usr/local/share/man/man3/pcre32_jit_exec.3
ln -sf pcre_jit_stack_alloc.3 /usr/local/share/man/man3/pcre32_jit_stack_alloc.3
ln -sf pcre_jit_stack_free.3 /usr/local/share/man/man3/pcre32_jit_stack_free.3
ln -sf pcre_maketables.3 /usr/local/share/man/man3/pcre32_maketables.3
ln -sf pcre_pattern_to_host_byte_order.3 /usr/local/share/man/man3/pcre32_pattern_to_host_byte_order.3
ln -sf pcre_refcount.3 /usr/local/share/man/man3/pcre32_refcount.3
ln -sf pcre_study.3 /usr/local/share/man/man3/pcre32_study.3
ln -sf pcre_utf32_to_host_byte_order.3 /usr/local/share/man/man3/pcre32_utf32_to_host_byte_order.3
ln -sf pcre_version.3 /usr/local/share/man/man3/pcre32_version.3
make[3]: 离开目录"/root/pcre-8.42"
make[2]: 离开目录"/root/pcre-8.42"
make[1]: 离开目录"/root/pcre-8.42"
```

```
1 tar -zxvf openssl-1.0.2r.tar.gz
2 ./configure
3 make
4 make install
```

### 安装zlib

```
1 tar -zxvf zlib-1.2.11.tar.gz
2 ./configure
3 make
4 make install
```

```
adler32.c  CMakeLists.txt  contrib  deflate.c  examples  gzguts.h  gzwrite.c  inffast.c  inflate.c  inftrees.h
snprintf.c  compress.c  crc32.c  deflate.h  FAQ  gzlib.c  INDEX  inffast.h  inflate.h  Makefile
ChangeLog  configure  crc32.h  doc  gzclose.c  gzread.c  inffast.h  inftrees.c  Makefile.in
[root@localhost zlib-1.2.11]# ./configure
Checking for gcc...
Checking for shared library support...
Building shared library libz.so.1.2.11 with gcc.
Checking for size_t... Yes.
Checking for off64_t... Yes.
Checking for fseeko... Yes.
Checking for strerror... Yes.
Checking for unistd.h... Yes.
Checking for stdarg.h... Yes.
Checking whether to use vs[n]printf() or s[n]printf()... using vs[n]printf().
Checking for vsnprintf() in stdio.h... Yes.
Checking for return value of vsnprintf()... Yes.
Checking for attribute(visibility) support... Yes.
[root@localhost zlib-1.2.11]#
```

z-lib安装.png

Error: 在没有安装zlib的情况下安装nginx会报错

```
checking for PCRE library ... found
checking for PCRE JIT support ... found
checking for zlib library ... not found

./configure: error: the HTTP gzip module requires the zlib library.
You can either disable the module by using --without-http_gzip_module
option, or install the zlib library into the system, or build the zlib library
statically from the source with nginx by using --with-zlib=<path> option.
```

nginx-error.png

### 安装nginx

```
1 tar -zxvf nginx-1.15.12.tar.gz
2 ./configure
3 make
4 make install
```

```
checking for PCRE library ... found
checking for PCRE JIT support ... found
checking for zlib library ... found
creating objs/Makefile

Configuration summary
+ using system PCRE library
+ OpenSSL library is not used
+ using system zlib library

nginx path prefix: "/usr/local/nginx"
nginx binary file: "/usr/local/nginx/sbin/nginx"
nginx modules path: "/usr/local/nginx/modules"
nginx configuration prefix: "/usr/local/nginx/conf"
nginx configuration file: "/usr/local/nginx/conf/nginx.conf"
nginx pid file: "/usr/local/nginx/logs/nginx.pid"
nginx error log file: "/usr/local/nginx/logs/error.log"
nginx http access log file: "/usr/local/nginx/logs/access.log"
nginx http client request body temporary files: "client_body_temp"
nginx http proxy temporary files: "proxy_temp"
nginx http fastcgi temporary files: "fastcgi_temp"
nginx http uwsgi temporary files: "uwsgi_temp"
nginx http scgi temporary files: "scgi_temp"
```

nginx安装01.png

```
[root@localhost sbin]# pwd
/usr/local/nginx/sbin
[root@localhost sbin]# ls
nginx
[root@localhost sbin]#
[root@localhost sbin]#
[root@localhost sbin]#
```

0001.png

完成之后下，执行命令

```
1 | /usr/local/nginx/sbin/nginx -c /usr/local/nginx/conf/nginx.conf
```

可以到/usr/local/nginx/conf下根据需要修改配置文件nginx.conf

关于nginx502的问题，可以尝试以下方法解决

- 1、检查配置，如果配置没有问题的话，进行第2步
  - 2、防火墙的问题，可以关闭防火墙或者将端口加到规则中
- 简单粗暴：关闭防火墙

```
1 | service firewalld stop
```

以80为例把端口开放出去

```
1 | firewall-cmd --zone=public --add-port=80/tcp --permanent
```

谢谢，觉得好记得点赞

3人点赞 >

linux

"小礼物走一走，来简书关注我"

赞赏支持

还没有人赞赏，支持一下

听风不予 诗和远方都在远方，只有生活在脚下  
总资产3 (约0.35元) 共写了7323字 获得22个赞 共4个粉丝

关注

从这里开启您的 Kubernetes 之旅

CNCF 认证、100% 开源、简单易用、一键安装

全部评论 0 只看作者

按时间倒序 按时间正序

被以下专题收入，发现更多相似内容

 linux t...

写下你的评论...

 评论0  赞3 ...