

Nginx_Lua模块安装手册

为Nginx提供通过Lua脚本能够访问Redis的能力，可以通过集成nginx_lua、lua_redis模块来实现。

参考项: <https://github.com/openresty/lua-nginx-module#installation>

安装编译Nginx

安装依赖项

```
yum -y install gcc zlib zlib-devel pcre-devel openssl openssl-devel

# lua_jit
wget http://luajit.org/download/LuaJIT-2.0.5.tar.gz
tar -xvf LuaJIT-2.0.5.tar.gz
cd LuaJIT-2.0.5
make install
```

下载安装nginx和依赖项

```
cd ~
# nginx
wget http://nginx.org/download/nginx-1.14.2.tar.gz
tar -xvf nginx-1.14.2.tar.gz
# ndk
wget https://github.com/simplresty/ngx_devel_kit/archive/v0.3.0.zip
unzip v0.3.0.zip
# ngx_lua 模块
wget https://github.com/openresty/lua-nginx-module/archive/v0.10.14.zip
unzip v0.10.14.zip

# 安装nginx
cd nginx-1.14.2
./configure --prefix=/usr/local/nginx-1.14.2 \
            --add-module=../ngx_devel_kit-0.3.0 \
            --add-module=../lua-nginx-module-0.10.14
```

测试lua模块是否安装成功

0 创建一个文件夹存储lua脚本

```
mkdir /usr/local/nginx-1.14.2/lua_scripts
```

1 创建mydata.lua

```
-- mydata.lua
local _M = {}

local data = {
    dog = 3,
    cat = 4,
    pig = 5,
}

function _M.get_age(name)
    return data[name]
end
return _M
```

2 nginx.conf文件

```
lua_package_path "/usr/local/nginx-1.14.2/lua_scripts/?.lua;;";
server {
    ...
    location /lua {
        content_by_lua_block {
            local mydata = require "mydata"
            ngx.say(mydata.get_age("dog"))
        }
    }
}
```

可能的错误

```
# 1、动态库找不到
./sbin/nginx: error while loading shared libraries: liblua_jit-5.1.so.2: cannot
open shared object file: No such file or directory
# 解决办法:
echo "/usr/local/lib" > /etc/ld.so.conf.d/usr_local_lib.conf
ldconfig

# 2、warn提示
nginx: [alert] detected a LuaJIT version which is not OpenResty's; many
optimizations will be disabled and performance will be compromised (see
https://github.com/openresty/lua_jit2 for OpenResty's LuaJIT or, even better,
consider using the OpenResty releases from
https://openresty.org/en/download.html)
# 告诉你, 你不要用这个lua_jit版本, 可以用openresty提供的lua_jit优化版本, 或者干脆直接用
openresty
```

安装lua_redis

```
wget https://code.load.github.com/openresty/lua-resty-redis/zip/master
unzip master
cd lua-resty-redis-master
make && make install
```