

# nginx+lua+redis实践

## 概述

nginx、lua访问redis的三种方式：

1. HttpRedis模块。

指令少，功能单一，适合简单的缓存。只支持get、select命令。

2. HttpRedis2Module模块。

功能强大，比较灵活。

3. lua-resty-redis库

OpenResty。api。适合复杂业务，节省内存。

OpenResty：基于nginx开源版本的一个扩展版本。集成了大量的精良的lua库。

## OpenResty安装

安装wget

```
[root@localhost yum.repos.d]# yum install wget
```

下载资源库

```
[root@localhost yum.repos.d]# wget https://openresty.org/package/centos/openresty.repo
```

得到文件：openresty.repo

安装OpenResty

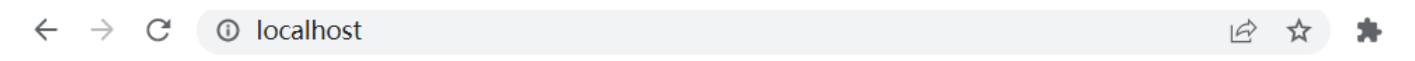
```
[root@localhost yum.repos.d]# yum install openresty
```

启动OpenResty

```
[root@localhost yum.repos.d]# /usr/local/openresty/nginx/sbin/nginx -p /usr/local/openresty/nginx/  
[root@localhost yum.repos.d]#
```

测试：

我们用nat，注意端口映射。



# Welcome to OpenResty!

If you see this page, the OpenResty web platform is successfully installed and working. Further configuration is required.

For online documentation and support please refer to our [openresty.org](https://openresty.org) site  
Commercial support is available at [openresty.com](https://openresty.com).

We have articles on troubleshooting issues like [high CPU usage](#) and [large memory usage](#) on [our official blog site](#).

*Thank you for flying [OpenResty](#).*

初试测试lua

修改conf

```
server {  
    listen 8080;  
    location / {  
        default_type text/html;  
        content_by_lua 'ngx.say("hello my openresty");'  
    }  
}
```

## redis安装

安装epel:第三方的源（软件安装包）。

```
[root@localhost /]# yum install epel-release
```

安装redis

```
[root@localhost /]# yum install redis
```

启动redis

```
[root@localhost /]# /usr/bin/redis-cli  
Could not connect to Redis at 127.0.0.1:6379: Connection refused  
Could not connect to Redis at 127.0.0.1:6379: Connection refused  
not connected>
```

```
[root@localhost /]# systemctl start redis
```

测试redis

redis服务端和redis客户端

启动redis客户端

```
[root@localhost /]# cd /usr/bin/  
[root@localhost /]# which redis-cli  
/usr/bin/redis-cli
```

```
[root@localhost bin]# ./redis-cli  
127.0.0.1:6379> set akey avalue  
OK  
127.0.0.1:6379> get akey  
"avalue"  
127.0.0.1:6379> quit  
[root@localhost bin]# pwd  
/usr/bin  
[root@localhost bin]#
```