

LUA

部署openresty

```
1 cd /home/openresty
2 yum install -y readline-devel pcre-devel openssl-
  devel gcc
3 wget http://openresty.org/download/nginx_openresty-
  1.7.7.2.tar.gz
4 tar -xzf nginx_openresty-1.7.7.2.tar.gz
5 cd /home/openresty/nginx_openresty-1.7.7.2/
6
7 cd /home/openresty/nginx_openresty-
  1.7.7.2/bundle/LuaJIT-2.1-20150120/
8 make clean && make && make install
9 ln -sf luajit-2.1.0-alpha /usr/local/bin/luajit
10
11 cd /home/openresty/nginx_openresty-1.7.7.2/bundle/
12
13 wget
  https://github.com/FRICKLE/nginx_cache_purge/archiv
  e/2.3.tar.gz
14
15 tar -xvf 2.3.tar.gz
16
17 cd /home/openresty/nginx_openresty-1.7.7.2/bundle/
18
19 wget
  https://github.com/yaoweibin/nginx_upstream_check
  _module/archive/v0.3.0.tar.gz
20
21 tar -xvf v0.3.0.tar.gz
22
23 cd /home/openresty/nginx_openresty-1.7.7.2
```

```
20 ./configure --prefix=/usr/servers --with-  
http_realip_module --with-pcre --with-luajit --  
add-module=./bundle/nginx_cache_purge-2.3/ --add-  
module=./bundle/nginx_upstream_check_module-  
0.3.0/ -j2  
21  
22 make && make install  
23  
24 #----- 发起http  
请求-----  
-----  
25 cd /usr/servers/lualib/resty/  
26 wget  
https://raw.githubusercontent.com/pint-sized/lua-  
resty-http/master/lib/resty/http_headers.lua  
27 wget  
https://raw.githubusercontent.com/pint-sized/lua-  
resty-http/master/lib/resty/http.lua  
28  
29 #此目录下,下载或者复制一份 template.lua 文件  
30 /usr/servers/lualib/resty/  
31  
32 #创建目录文件夹  
33 /usr/servers/lualib/resty/html  
34 然后复制一份html.lua 文件  
35  
36 #创建目录  
37 /usr/servers/lualib/testcode/  
38 #把相关的文件和模板复制进去  
39  
40 # 查看安装的详情  
41 /usr/servers/nginx/sbin/nginx -V  
42 #修改配置后检查配置  
/usr/servers/nginx/conf/nginx.conf  
43 /usr/servers/nginx/sbin/nginx -t  
44 #启动nginx  
45 /usr/servers/nginx/sbin/nginx
```

46

47

48

image-20200918141908459

相关的nginx.conf文件配置

/usr/servers/nginx/conf/nginx.conf

```
1  #user  nobody;
2  worker_processes  1;
3
4  #error_log  logs/error.log;
5  #error_log  logs/error.log  notice;
6  #error_log  logs/error.log  info;
7
8  #pid        logs/nginx.pid;
9
10
11 events {
12     worker_connections  1024;
13 }
14
15
16 http {
17     #引用相关的模板和包
18     lua_package_path
19     "/usr/servers/lualib/?.lua;;";
20     lua_package_cpath
21     "/usr/servers/lualib/?.so;;";
22     #使用缓存
23     lua_shared_dict my_cache 128m;
24     include          mime.types;
25     default_type     application/octet-stream;
```

```
25     #log_format main '$remote_addr -
    $remote_user [$time_local] "$request" '
26     # '$status $body_bytes_sent
    "$http_referer" '
27     # '"$http_user_agent"
    "$http_x_forwarded_for"';
28
29     #access_log logs/access.log main;
30
31     sendfile on;
32     #tcp_nopush on;
33
34     #keepalive_timeout 0;
35     keepalive_timeout 65;
36
37     #gzip on;
38
39     server {
40         listen 80;
41         server_name localhost;
42
43         #charset koi8-r;
44         location /redis
45         {
46             default_type text/html;
47             #这里的lua文件的路径为绝对路径，请根据自己安装的实
            际路径填写
48             #记得斜杠是/这个。从window中拷贝出来的是\这样，这
            样是有问题的，务必注意
49             content_by_lua_file
            /usr/servers/lualib/testcode/redis.lua;
50         }
51         #access_log logs/host.access.log main;
52         location /helloworld
53         {
54             default_type text/html;
```

```
55      #这里的lua文件的路径为绝对路径，请根据自己安装的实际
    路径填写
56      #记得斜杠是/这个。从window中拷贝出来的是\这样，这
    样是有问题的，务必注意
57      content_by_lua_file
    /usr/servers/lualib/testcode/helloworld.lua;
58  }
59      set $template_location "/templates";
60      set $template_root
    "/usr/servers/lualib/testcode/templates";
61
62
63
64      location /user {
65          default_type 'text/html';
66          content_by_lua_file
    /usr/servers/lualib/testcode/test.lua;
67      }
68
69      location / {
70          root    html;
71          index   index.html index.htm;
72      }
73
74      #error_page 404                  /404.html;
75
76      # redirect server error pages to the
    static page /50x.html
77      #
78      error_page 500 502 503 504 /50x.html;
79      location = /50x.html {
80          root    html;
81      }
82
83      # proxy the PHP scripts to Apache
    listening on 127.0.0.1:80
84      #
```

```
85         #location ~ /\.php$ {
86         #     proxy_pass    http://127.0.0.1;
87         #}
88
89         # pass the PHP scripts to FastCGI server
listening on 127.0.0.1:9000
90         #
91         #location ~ /\.php$ {
92         #     root            html;
93         #     fastcgi_pass    127.0.0.1:9000;
94         #     fastcgi_index   index.php;
95         #     fastcgi_param   SCRIPT_FILENAME
/scripts$fastcgi_script_name;
96         #     include        fastcgi_params;
97         #}
98
99         # deny access to .htaccess files, if
Apache's document root
100        # concurs with nginx's one
101        #
102        #location ~ /\.ht {
103        #     deny    all;
104        #}
105    }
106
107
108        # another virtual host using mix of IP-,
name-, and port-based configuration
109        #
110        #server {
111        #     listen        8000;
112        #     listen        somename:8080;
113        #     server_name   somename  alias
another.alias;
114
115        #     location / {
116        #         root    html;
```

```
117         #         index index.html index.htm;
118     #     }
119     #}
120
121
122     # HTTPS server
123     #
124     #server {
125     #     listen      443 ssl;
126     #     server_name localhost;
127
128     #     ssl_certificate      cert.pem;
129     #     ssl_certificate_key  cert.key;
130
131     #     ssl_session_cache    shared:SSL:1m;
132     #     ssl_session_timeout  5m;
133
134     #     ssl_ciphers  HIGH:!aNULL:!MD5;
135     #     ssl_prefer_server_ciphers  on;
136
137     #     location / {
138     #         root    html;
139     #         index  index.html index.htm;
140     #     }
141     #}
142
143 }
144
```

验证

```
1 # helloworld
2 http://localhost/helloworld?name=clay
3 #验证redis 需要 redis 写入一个dog值
4 http://localhost/redis
5 #验证三级缓存 需要提供一个webpai接口 /user/{productId}
6 http://localhost/user?id=1234
```