

2021-07-21 日报

今日目标

1. 完成根据eid查询教育机构详细信息接口开发（黄嘉yi已经做过了，我只是借此熟悉下流程）
2. 看es基础文档
3. 尝试完成搜索功能接口开发

完成情况

有关sql查询，完成过程

1. 根据eid查询的接口开发这一测试基本完成，路上踩了点坑。比如说我昨天测试的接口，返回的数据是 `result.data.list` 如下图

```
{ "message": "", "data_from": "mysql", "errcode": "", "status": 1, "data": { "list": [ { "ename": "北京市东城区吴作人美术专业培训学校" } ] } } [fengchu
list?from=qxb&info_name=TRAINING_INSTITUTIONS -d '{ "query": { "eid": "6748d522-c136-11e6-81ee-00163f00240b" }, "fields": { "ename": 1, "is_
legal": 1, "credit_no": 1, "oper_name": 1 }, "num_to_return": 1, "data_only": "1" }
HTTP/1.1 200 OK
Date: Tue, 20 Jul 2021 09:53:47 GMT
Content-Type: application/octet-stream
Content-Length: 210
Connection: keep-alive
Server: Qixin Web Server
```

```
{ "message": "", "data_from": "mysql", "errcode": "", "status": 1, "data": { "list": [ { "is_legal": 1, "ename": "北京市东城区吴作人美术专业培训学校
[fengchun_yuan@CserviceEntNgxDevSitC-172-16-244-157 ~]$
```

但使用中间体发送查询请求，获取的数据被格式化过，是这样的格式 `resut.list`，如下图

```
middleware_util.get_info_list_sit = function(params_tb, post_str)
    local res =
        ngx.location.capture(
            path,
            {
                method = ngx.HTTP_POST,
                args = params_tb,
                body = cjson.encode(post_str)
            }
        )
    return get_format_body_data(res, params_tb, post_str)
end
```

```
local get_format_body_data = function(res, params_tb, post_str)
    if res.status ~= 200 then
        nlog.derror(
            "error: " ..
            tostring(res.status) .. " body: " .. (cjson.encode(post_str)) .. " params: " .. (cjson.encode(params_tb))
        )
        return nil
    end
    local data_str = res.body
    if "gzip" == res.header["Content-Encoding"] then
        data_str = lgzip.unhttptgzip(res.body)
    else
        data_str = res.body
    end
    local param_tb = cjson.decode(data_str)
    if "table" == type(param_tb) and tonumber(param_tb.status) == 1 then
        if "table" == type(param_tb.data) then
            return param_tb.data
        end
    end
    nlog.derror(
        "get_format_body_data failure" ..
        " " ..
        (data_str or "nil") .. " body: " .. (cjson.encode(post_str)) .. " params: " .. (cjson.encode(params_tb))
    )
    return nil
end
```

这是日志部分输出

```
..
  "result":0,{
    "list":0[
      0[
        "raining_form":"面授",
        "qualification_description":"有办学许可证",
        "certificate_teacher":"10",
        "is_legal":1,
        "faculty":"14",
        "training_category":"中小学学科类",
        "is_training_content":-1,
        "principal":"郭树森",
        "issue_unit":"教育行政部门",
        "in_service_teacher":"0",
        "is_board":0,
        "foreign_teacher":"0",
        "host_name":"齐续喧",
        "area_type":"自有",
        "register_no":"111010177600020",
        "oper_name":"齐贺",
        "start_date":"2001-04-18",
```

所以之前的代码 `result.data.list` 一直有500的报错

后面有踩到个坑，就是我查询的eid，这个数据库中没有，取得的是空值

最终效果

```
[fengchun_yuan@cserviceEntNgxDevSITC-172-16-244-157 ~]$ curl -i -XPOST "http://127.0.0.1:8080/enterprise/park/search/detail" -d '{"eid":"78fdfa42-c134-11e6-b227-00163e014a2c"}'
HTTP/1.1 200 OK
Date: Wed, 21 Jul 2021 08:37:44 GMT
Content-Type: application/json
Transfer-Encoding: chunked
Connection: keep-alive
Server: Qxb Web Server

{"data":{"raining_form":"面授","qualification_description":"有办学许可证","certificate_teacher":"10","is_legal":1,"faculty":"14","training_category":"中小学学科类","is_training_content":-1,"principal":"郭树森","issue_unit":"教育行政部门","in_service_teacher":"0","is_board":0,"foreign_teacher":"0","host_name":"齐续喧","area_type":"自有","register_no":"111010177600020","oper_name":"齐贺","start_date":"2001-04-18","full_time_teacher":"7","business_address":"北京市东城区国子监街82号","registered_address":"","is_restaurant":0,"enrollment_target":"成人、学生","belong_org":"","ename":"北京市东城区民办为民培训学校","is_catering_service_license":0,"credit_no":"521101014007901604","construction_area":"300.0","training_content":"文化教育、艺术、计算机","host_type":"个人","enrollment_scope":"本地区"},"status":1,"message":"successful"}
[fengchun_yuan@cserviceEntNgxDevSITC-172-16-244-157 ~]$
```

2. 更加了解反向代理与负载均衡的作用，但没完全弄懂

反向代理流程

浏览器访问search.itdragon.com，通过本地host文件域名解析，找到192.168.225.131 Nginx虚拟主机。Nginx接收客户端请求，找到server_name为search.itdragon.com的节点，再根据proxy_pass对应的http路径，将请求转发到

upstream searchserver上。即端口号为8081的tomcat服务器。

客户端访问 --> search.itdragon.com --> host --> Nginx --> server_name --> proxy_pass --> upstream --> tomcat

```
upstream searchserver {
    server 192.168.225.133:8081;
}
upstream pictureserver {
    server 192.168.225.133:8082;
}
server {
    listen 80;
    server_name search.itdragon.com;
    location / {
        proxy_pass http://searchserver;
        index index.html index.htm;
    }
}
```

这里的 `set_header` 可能是作为后续的一种判断条件。没有 `set_header` 也能发，但会判断失败

```
location = /get_info_detail_sit {
    internal;
    proxy_pass http://middleware_backend_sit/qxbproxy/get_info_detail;
    proxy_http_version 1.1;
    proxy_set_header Connection "keep-alive";
    proxy_set_header Host "172.16.48.235";
    proxy_connect_timeout 3;
    proxy_send_timeout 3;
    proxy_read_timeout 3;
}
```

```
upstream middleware_backend_sit {  
    server 172.16.48.235;  
    keepalive 100;  
}
```

15:47

也就是说，我这里的host172.16.48.235，并不重要，把它改成别的，nginx也能一样转发请求到proxy_pass，是吗？

对

能发是能发

别人拒绝不拒绝就是问题了

host 不会让你发布出去

但发出去后的问题 需要你思考解决

ES初步学习

明日目标

1. ES基础入门
2. 完成搜索功能