kong网关+konga UI管理+JWT验证

笔记本: kong

创建时间: 2018/9/2 9:30 **更新时间**: 2018/9/2 10:14

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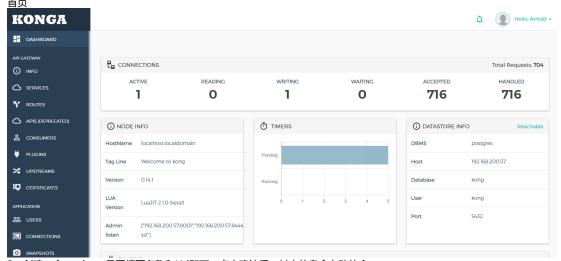
URL: http://52.83.182.209:7321/swagger/index.html

1、部署kong和konga

• kong+konga: https://konghq.com/install/, https://www.cnblogs.com/zhoujie/p/kong5.html, https://github.com/pantsel/konga

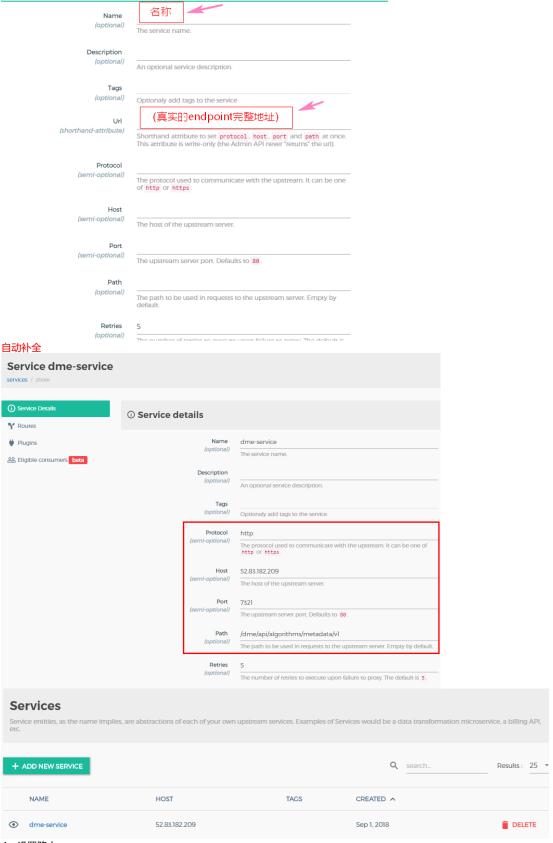
• jwt plugin: https://docs.konghq.com/plugins/jwt/

2、访问konga



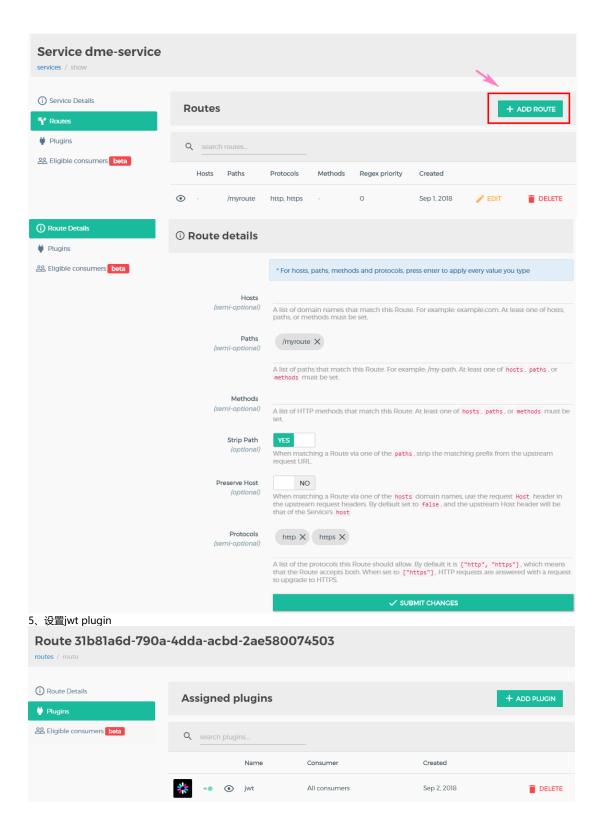
3、创建一个service,只要填写名称和Url即可,点击确认后,其它信息会自动补全例如: [http://52.83.182.209:7321/dme/api/algorithms/metadata/v]]

CREATE SERVICE X



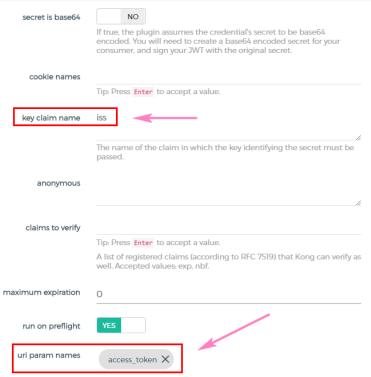
4、设置路由

在services模块中添加路由



EDIT JWT ×

Verify requests containing HS256 or RS256 signed JSON Web Tokens (as specified in RFC 7519). Each of your Consumers will have JWT credentials (public and secret keys) which must be used to sign their JWTs. A token can then be passed through the Authorization header or in the request's URI and Kong will either proxy the request to your upstream services if the token's signature is verified, or discard the request if not. Kong can also perform verifications on some of the registered claims of RFC 7519 (exp and nbf).



PS: key claim name: iss, 默认为: iss; uri param names: 是设置requestparam的标签,例如: http://xxxx?access_token=xxxxx

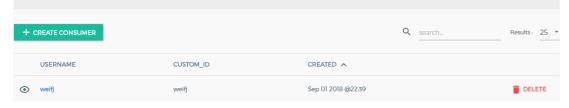


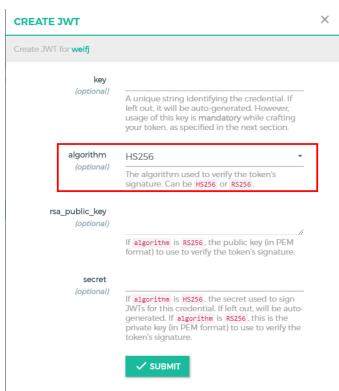


7、创建consumer 凭证

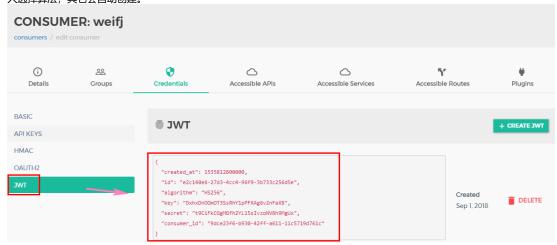
Consumers

The Consumer object represents a consumer - or a user - of an API. You can either rely on Kong as the primary datastore, or you can map the consumer list with your database to keep consistency between Kong and your existing primary datastore.





, 只选择算法,其它会自动创建。



里面的key作为下面jwt plugin的key claim name: iss值

8、根据consumer的信息生成jwt

打开网址: https://jwt.io/, 里面可以生成jwt信息。

Encoded PASTE A TOKEN HERE

eyJhbGci0iJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ pc3Mi0iJEeGh4RG5PT21PVDNTc1JoWTFwUEZYQWc 2djJuRmFY0CJ9.3aYnusRe0ZVZZcfYJVybYDK-8Je7FI9mFmrUDrM72gk

Decoded EDIT THE PAYLOAD AND SECRET



9、访问网关服务

1) 第一种方式, 在uri后面添加参数: ?

access token=eyJhbGciOiJIUzI1NilsInR5cCl6lkpXVCJ9.eyJpc3MiOiJEeGh4RG5PT21PVDNTc1JoWTFwUEZYQWc2djJuRmFYOCJ9.3aYnusReOZVZZcfYJVybYDK-8Je7FI9mFmrUDrM72gk

http://192.168.200.57:8000/myroute?

access token=eyJhbGciOiJIUzi1NilsInR5cCl6lkpXVCJ9.eyJpc3MiOiJEeGh4RG5PT21PVDNTc1JoWTFwUEZYQWc2djJuRmFYOCJ9.3aYnusReOZVZZcfYJVybYDK-8Je7FI9mFmrUDrM72gk

效果图:

```
← → C ↑ ① 不安全 | 192.168.200.57:8000/myroute?access token=ey

    並用 □ bookmark

          status: "success",
message: "操作成功",
code: 1000,
— data: [
                                               metas: null,
catalog: {
    sysCode: "f0d9 a2o3 ae3944209 d387f81 do6da71 a",
    name: "非空间算法"
                                                         id: 117.

sydCode: "2d1b39s0a2004b7e870a51ec6eb0969b",
name: "3331",
version: "31",
version: "31
                                                                lastTime: 1535799532808,
2) 第二种方式,在请求头添加 authorization
```

GENERATE CODE SNIPPETS

```
Copy to Clipboard
 JavaScript Jquery AJAX ▼
    1 ▼ var settings = {
           "async": true,
           "crossDomain": true,
          "url": "http://192.168.200.57:8000/myroute",
           "method": "GET",
    6 =
             #Authorization": "Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9
.eyJpc3MiOiJEeGh4RG5PT21PVDNTc1JoWTFwUEZYQWc2djJuRmFYOCJ9.3aYnusReOZVZZcfYJVybYDk
    7
                  -8Je7FI9mFmrUDrM72gk",
             "Postman-Token": "9d8d019f-5f16-4c88-a717-0bafba17b1f3"
    9
   10
 i 11 }
   12
   13 * $.ajax(settings).done(function (response) {
   14
          console.log(response);
15 });
```

效果图:

