

[Holmes] 定位 Tips

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Web 调试代理工具: Whistle + SwitchyOmega

1. whistle 文档: <https://wproxy.org/whistle/>
2. 安装与配置: <https://wproxy.org/whistle/install.html>

Live web issue 如何快速定位?

whistle 配置

```
# web
https://holmes.i.shopeekredit.co.id/admin/ https://holmes.i.shopeekredit.co.id/admin/ # admin
https://holmes.i.shopeekredit.co.id/fdfs/ https://holmes.i.shopeekredit.co.id/fdfs/ # fdfs
#
https://holmes.i.shopeekredit.co.id/ http://localhost:8081/ # 8081
```

依然使用 holmes.i.shopeekredit.co.id 访问页面, vue devtools 可以愉快地用起来了 (确认好现网发布的 git branch 是哪个, 本地切到对应的分支即可愉快打 log 了):

Ap plic ation	Scen e	Is R unning	Group Na me	Des cription	Ver sion	Update Time	Op era tor	Start us	Operation
SPa yLa ter	100 13	Y	SPL ID JO AntiFraud _scene _10 013	反欺诈规则场景使用规则组	224	2021-10-06 10:42:58	jingl ei.f u@es mo ney.co m	Acti ve	Edit Pause
KYC	100 12	Y	ID_KY C_S cen e_al l_pr odu cts	KYC场景综合策略组	24	2021-10-06 10:06:04	zhi wel.cui @sh opee.e c om	Acti ve	Edit Pause
SPa yLa ter	100 34	Y	loa nPa yment Bas icGr oup	anti fraud rules in p ay me	267	2021-10-01 18:35:27	zhe ngx iu.f eng @se am one y.co m	Acti ve	Edit Pause

什么情况下可以用上面的方法?

1. 比较确认是 web 的问题, 但有时候 log 没那么全, 想本地加一点 log 查看
2. 需要用 vue devtools 定位的小伙伴
3. 前端开发时, 需要确认本次修改的内容是否会影响现网, 可以使用此方法测试

举一反三：不仅仅可以转发到 live，对应 UAT，TEST 等环境同样适用，具体根据需求配置 whistle 转发即可

如何确认配置 Rule 是否成功？

左侧选择 Network Tab，查看对应域名 Overview 详情，查看 rule 配置，如下图默认转发到了 localhost:8081 说明域名根路径转发到本地开发环境：

The screenshot shows the Whistle Network tab with a list of intercepted requests. The Overview panel for a selected request shows the following details:

- Final Uri: https://holmes.i.shopeekredit.co.id/
- Method: GET
- Http Version: 1.1
- Status Code: 304
- Status Message: Not Modified
- Client IP: 127.0.0.1
- Client Port: 50729
- Client ID: 127.0.0.1
- Server IP: 8081
- Server Port: 8081
- Request Length: 0
- Content Length: 0
- Content Encoding: Not Modified
- Start Date: 2021/10/8 下午6:33:29.796
- DNS Lookup: 0ms
- Request Sent: 1ms
- Response Headers: 10ms
- Content Download: 11ms

The All Rules section shows the following rule configuration:

- rule: https://holmes.i.shopeekredit.co.id/ http://localhost:8081/
- style: pipe
- plugin: proxy
- host: pac
- pac: weime

API 返回转发至本地 json 文件

增加 whistle 规则配置 (<https://wproxy.org/whistle/rules/resBody.html>)

whistle 配置

```
# web
https://holmes.i.shopeekredit.co.id/admin/strategy/group/operator-list resBody:///Users/shumin.zhou/shopee/credit_risk_admin/test.json # json
https://holmes.i.shopeekredit.co.id/admin/ https://holmes.i.shopeekredit.co.id/admin/
https://holmes.i.shopeekredit.co.id/fdfs/ https://holmes.i.shopeekredit.co.id/fdfs/
https://holmes.i.shopeekredit.co.id/ http://localhost:8081/
```

查看 Network 是否转发成功：

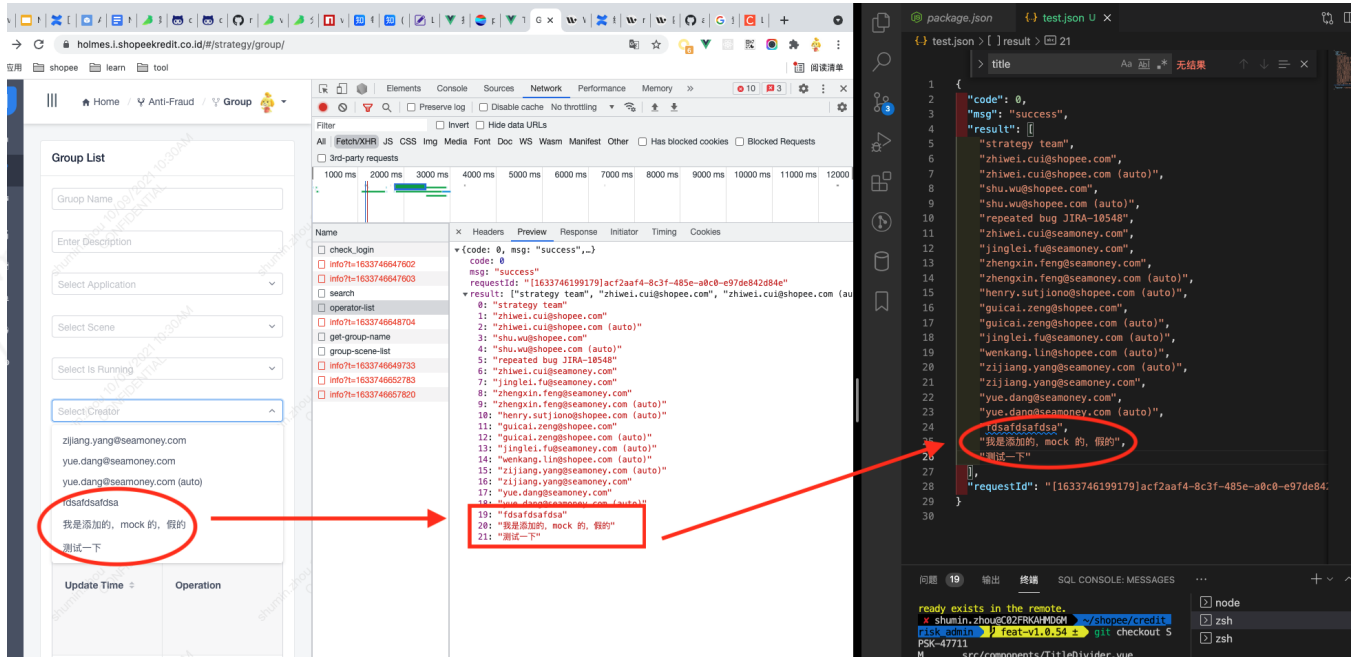
The screenshot shows the Whistle Network tab with a list of intercepted requests. The Overview panel for a selected request shows the following details:

- Final Uri: https://holmes.i.shopeekredit.co.id/admin/strategy/group/operator-list
- Method: POST
- Http Version: 1.1
- Status Code: 201
- Status Message: Created
- Client IP: 127.0.0.1
- Client Port: 64593
- Client ID: 127.0.0.1
- Server IP: 103.70.18.5
- Server Port: 443
- Request Length: 0
- Content Length: 775
- Content Encoding: Not Modified
- Start Date: 2021/10/9 上午10:28:51.571
- DNS Lookup: 0ms
- Request Sent: 204ms
- Response Headers: 370ms
- Content Download: 371ms

The All Rules section shows the following rule configuration:

- rule: https://holmes.i.shopeekredit.co.id/admin/ https://holmes.i.shopeekredit.co.id/admin/
- resBody: https://holmes.i.shopeekredit.co.id/admin/strategy/group/operator-list resBody:///Users/shumin.zhou/shopee/credit_risk_admin/test.json

页面测试:



什么情况下可以用到？

1. 接口 mock, 强依赖后端开发时, 规范约束好后可以自行 mock, mock 数据文件同时也可以沉淀
2. 部分偶现问题, 某些数据并不是 100% 返回的 (只有在某些特定业务场景下才返回), 那么可以使用此方法增加相关的数据进行调试

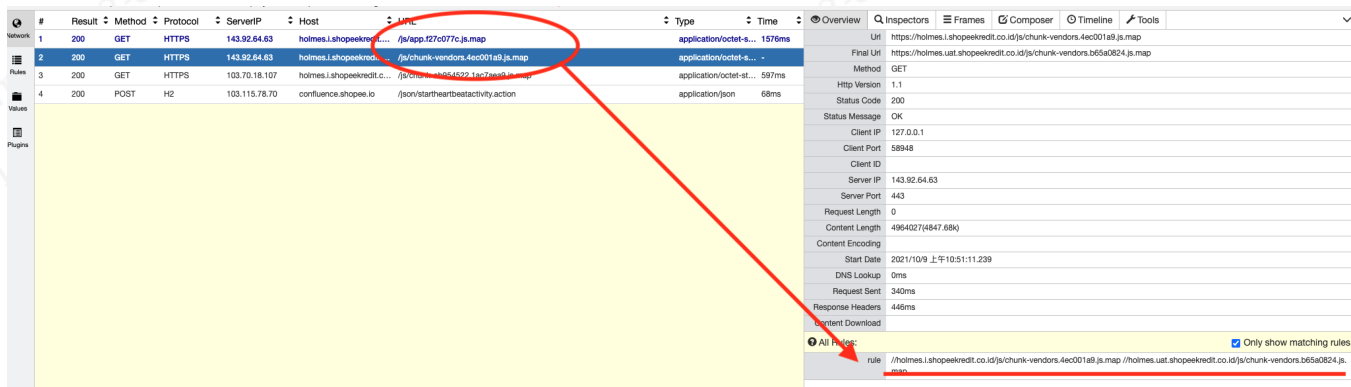
某个静态资源单独转发

增加配置:

whistle 配置

```
# live app chunk-vendors uat js
//holmes.i.shopeekredit.co.id/js/app.f27c077c.js.map //holmes.uat.shopeekredit.co.id/js/app.a60c7276.js.map
//holmes.i.shopeekredit.co.id/js/chunk-vendors.4ec001a9.js.map //holmes.uat.shopeekredit.co.id/js/chunk-vendors.
b65a0824.js.map
```

查看 Network 是否转发成功, check live 页面是否异常:



什么情况下可以用到 (目前对 holmes 不适用, 因为静态文件随 pods 滚动更新, 静态文件非增量发布, 没有保留历史版本) ?

1. 确认问题是否历史已存在, 从哪个版本开始有问题

2. 一般前端发布顺序是，先发静态文件至 cdn，待确认 cdn 静态文件能打开后，可先在本地设置转发，若没问题，则再操作发布 html 入口文件

本地 web 前端对应多地域 & 多环境（上传一份完整配置，可在 whistle Import 即可）

- 部分 Region 存在偶现问题，避免不了来回切换本地开发环境，web 需要重启，node 也需要重启，重启耗时长，并且需要来回切换来回重启

```
下午2:04:51 - Starting compilation in watch mode...
```

```
下午2:05:11 - Found 0 errors. Watching for file changes.
```

```
[Nest]      - 2021-10-13 14:05:14.770 - [NestFactory] - Starting  
[Nest]      - 2021-10-13 14:05:15.101 - [InstanceLoader] - Type
```

```
"scripts": {  
  "protoc": "chmod a+rx ./scripts/protoc.sh && ./scripts/protoc.sh",  
  "start": "nest start -w",  
  "start:id": "npm start",  
  "start:th": "APP_REGION=th npm start",  
  "start:ph": "APP_REGION=ph npm start",  
  "start:tw": "APP_REGION=tw npm start",  
  "start:my": "APP_REGION=my npm start",  
  "start:br": "APP_REGION=br npm start",  
  "start:debug": "nest start -w --debug"
```

```
"scripts": {  
  "start": "vue-cli-service serve --port 8081 --open",  
  "start:br": "APP_REGION=br npm start",  
  "start:id": "npm start",  
  "start:th": "APP_REGION=th npm start",  
  "start:ph": "APP_REGION=ph npm start",  
  "start:tw": "APP_REGION=tw npm start",  
  "start:my": "APP_REGION=my npm start",
```

- 后端接口在 test 环境联调

可以通过 whistle 设置转发：

- 不同地区域名规范不同（大部分为后缀），登陆 token cookie 写入 domain 各个国家不一，避免来回翻阅 [\[Risk&DC FE\] 项目信息](#) 查看域名信息，统一使用 holmes.dev.\${region} 打开再 302 跳转，无需记忆无需翻阅
- dev 本地环境使用了另外一套 google key，并且 google 鉴权 client_id 不同国家不一样，代码动态调整会触发代码热更新，这里也需要等待一定的时间，所以使用 query 参数传入，对应前端可针对本地 APP_ENV = 开发环境 进行改造相关 client_id 相关传入逻辑

whistle, Rules: holmes-default, 后端 /admin, /fdfs 路径不转发，还是按原来的域名走：

whistle.holmes-default

```
# holmes
/holmes.(.*)\admin\/(.*)/ https://holmes.$1/admin/$2 # admin
/holmes.(.*)\fdfs\/(.*)/ https://holmes.$1/fdfs/$2 # fdfs
```

whistle, Rules: holmes-test

whistle.holmes-test

```
# test
# region local

# 8081
https://holmes.test.shopeekredit.co.id/ http://localhost:8081/ # id
https://holmes.test.shopeecredit.in.th/ http://localhost:8081/ # th
https://holmes.test.scredit.ph/ http://localhost:8081/ # ph
https://holmes.test.scredit.tw/ http://localhost:8081/ # tw
https://holmes.test.scredit.com.my/ http://localhost:8081/ # my
https://holmes.test.scrediarior.com.br/ http://localhost:8081/ # br

# holmes.dev.${region} region
holmes.dev.id redirect://https://holmes.test.shopeekredit.co.id?${holmes-id-client-id}
holmes.dev.th redirect://https://holmes.test.shopeecredit.in.th${holmes-th-client-id}
holmes.dev.ph redirect://https://holmes.test.scredit.ph${holmes-ph-client-id}
holmes.dev.tw redirect://https://holmes.test.scredit.tw${holmes-tw-client-id}
holmes.dev.my redirect://https://holmes.test.scredit.com.my${holmes-my-client-id}
holmes.dev.br redirect://https://holmes.test.scrediarior.com.br${holmes-br-client-id}
```

whistle, Values: 配置好相关 client-id, 各个环境通用 (比如 holmes-id-client-id) :

Values

```
client_id=585706939191-d8gokvs1dn8k3tkhep8uiinmsf0pffbm.apps.googleusercontent.com
```

holmes-id-client-id	client_id=585706939191-d8gokvs1dn8k3tkhep8uiinmsf0pffbm.apps.googleusercontent.com
holmes-th-client-id	
holmes-ph-client-id	
holmes-tw-client-id	
holmes-my-client-id	
holmes-br-client-br	

另外前端 web 鉴权相关逻辑改造, 注意以下只在 development 运行:

```

export const initGoogleAuthorization = () => {
  if (typeof gapi === 'undefined' || !gapi) {
    const error = VUE.$ts('gapi.unload')
    callErrorNotice('Google Sign-In OAuth', error)
    throw new Error(error)
  }
  return new Promise((resolve, reject) => {
    gapi.load('auth2', () => {
      let cilentId = OAUTH2_CLIENT_ID
      if (process.env.VUE_APP_ENV === 'development') {
        const [, id] = location.search.split('=')
        id && (cilentId = id)
      }
      gapi.auth2.init({ client_id: cilentId }).then(
        (auth2) => {
          LABEL = true
          resolve(auth2)
        },
        (err) => {
          Sentry.captureMessage('GOOGLE_INIT_ERR', {
            extra: {
              message: err
            },
            tags: {
              type: 'GOOGLE_INIT_ERR'
            }
          })
        }
      )
    })
  })
}

```

web src/utils/google-oath2.ts 改造

```

let cilentId = OAUTH2_CLIENT_ID
if (process.env.VUE_APP_ENV === 'development') {
  const [, id] = location.search.split('=')
  id && (cilentId = id)
}

```

同样的道理，可以根据环境区分多文件管理，对应需要定位哪个直接双击开启即可（可以设置 Rules 同时生效）：

Default	✓	# test 环境
holmes-default	✓	# 默认所有 region
holmes-test	✓	# 前端根路径指向本环境
holmes-uat		https://holmes.woolamart.com
holmes-live		https://holmes.woolamart.com
		https://holmes.woolamart.com
		https://holmes.woolamart.com

以下为完整文件：

[rules_20211013190548087.txt](#)

values_20211013182101510.txt