Yahoo! JAPAN Ads API Hands-on Training

- ## Technical Specifications

- ## OpenAPI

  - ### Background, How to Use

- ## Hands-on Training

- ## Migration

- ## Trouble Shooting, Tips

- ## FAQ

Technical Specifications

Technical Specifications

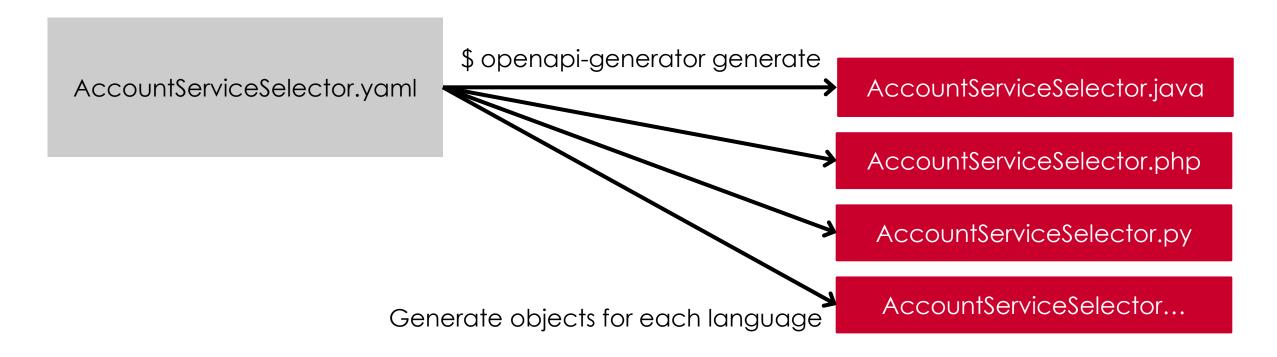| Transport	REST
Encoding	JSON
Authentication	OAuth2

OpenAPI

- Format of REST API and related tools

  - What Is OpenAPI ?
    https://swagger.io/docs/specification/about/

  - OpenAPI (Swagger) Beginner's Guide
    https://qiita.com/teinen_qiita/items/e440ca7b1b52ec918f1b

- Generate API reference from yaml
- Generate request, response object from yaml

Background of OpenAPI introduction on Yahoo! JAPAN Ads API (Generate API reference from yaml)

yaml file

API Reference

generate

https://github.com/yahoojp-marketing/ads-display-api-documents/blob/master/design/v0/Route.yaml
http://ads-developers.yahoo.co.jp/reference/ads-display-api/

$ openapi-generator generate

AccountServiceSelector.yaml

AccountServiceSelector.java

AccountServiceSelector.php

AccountServiceSelector.py

AccountServiceSelector...

Generate objects for each language

# Sample object for java
$ git clone https://github.com/yahoojp-marketing/ads-display-api-documents.git
$ openapi-generator generate -i ./ads-display-api-documents/design/v0/Route.yaml -g java -o /path/to/obj

php, python and other languages can specify -g option of openapi-generator
https://github.com/OpenAPITools/openapi-generator

- Yahoo! JAPAN Ads API adopted follows.
    - OpenAPI 3
    - Schema First
      (generating code from yaml file)

Hands-on Training

- Yahoo! JAPAN Ads Display Ads

  - Browsing / Updating

  - Upload / Download

  * Upload / Download feature on Yahoo! JAPAN Ads API has been changed from the feature on Yahoo! JAPAN Promotional Ads API

- git clone or Repository Download
  https://github.com/yahoojp-marketing/yahoo-ads-api-developers-workshop

- Re-issue Access Token (on Markdown also)
  https://biz-oauth.yahoo.co.jp/oauth/v1/token

?grant_type=refresh_token

&client_id=YOUR_CLIENT_ID

&client_secret=YOUR_CLIENT_SECRET

&refresh_token=REFRESH_TOKEN

Migration

*Depending on each case of application development...
Assumption

- Ad data is available both on Yahoo! JAPAN Ads API and Yahoo! JAPAN Promotional Ads API (excepting created reports)
- QPS is counted separately for Yahoo! JAPAN Ads API and Yahoo! JAPAN Promotional Ads API

Application

QPS count

Yahoo! JAPAN Promotional Ads API

Yahoo! JAPAN Ads API

QPS count

Ad Data

- ## Gradual migration by each service is recommended

AAAService(Yahoo! JAPAN Promotional Ads API)   AAAService(Yahoo! JAPAN Promotional Ads API)
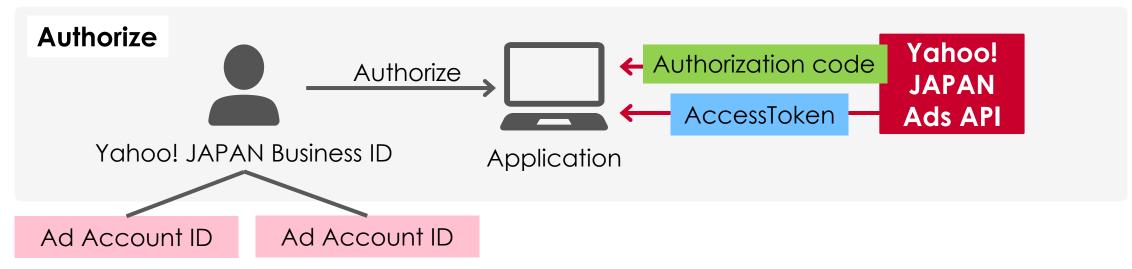BBBService(Yahoo! JAPAN Promotional Ads API) ⟶ BBBService(Yahoo! JAPAN Promotional Ads API)
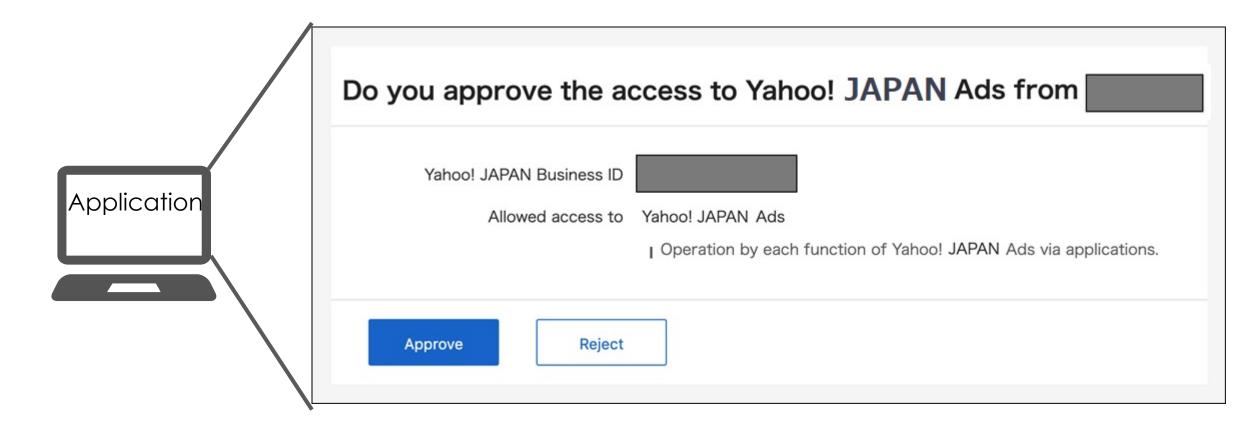CCCService(Yahoo! JAPAN Promotional Ads API)   CCCService(Yahoo! JAPAN Ads API)

- ## Updating a same entity by both old and new APIs is not recommended

  - Example: set a campaign by both of Yahoo! JAPAN Promotional Ads API and Yahoo! JAPAN Ads API
  - Because it will make a separation upon generating issues is hard

Authorize with Business ID that can operate an ad account operated by Standard Authentication, and issue Authorization code, Refresh token and Access token

Authorize

Yahoo! JAPAN Business ID → Authorize → Application

← Authorization code ← Yahoo! JAPAN Ads API

← AccessToken ← Yahoo! JAPAN Ads API

Ad Account ID   Ad Account ID

*Ad account operated by Standard authentication

- New process supporting OAuth code flow to be authorized with tool user's Business ID

Application

Do you approve the access to Yahoo! **JAPAN** Ads from

Yahoo! JAPAN Business ID

Allowed access to   Yahoo! JAPAN Ads

| Operation by each function of Yahoo! JAPAN Ads via applications.

Approve   Reject

Trouble Shooting, Tips

- Approach on 404 Not Found response

Examples of incorrect case:

/CampaignService/get   #   missing "/api/v0"

/api/CampaignService/get   # missing "/v0"

/api/V0/CampaignService/get   #   using upper case "V"

Example of correct case:

/api/v0/CampaignService/get

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- ## Approach on Bad request response

Example:

< HTTP/1.1 400 Bad Request

< Content-Type: application/json;charset=utf-8

< Date: Tue, 24 Dec 2019 03:03:10 GMT

< X-Vcap-Request-Id: 67f3d5ab-7758-410a-4392-93e68f3fdd90

< X-Yahoo-Ads-Rid: 676b9f4a983c92fa1faef363812adea8

< Content-Length: 107

{"rid":"676b9f4a983c92fa1faef363812adea8","errors":[{"code":"0005","message":"Bad request.","details":[]}]}

- Incorrect json on request body, or type-mismatching (such as a single shot value on array field)
  Verifying request body with json parser such as jq

- Verifying json sample of request body with Example Value of API Reference

- Example request body for sending no parameter

Example:

curl -H "Authorization: Bearer ${ACCESS_TOKEN}" ¥

-H 'Content-Type: application/json' ¥

https://ads-display.yahooapis.jp/api/v0/AccountService/get -d ¥

'

{}

'

- Sending "{}" only
- Note that some actions of some Services do not need request body itself (call without GET method&body)

GET	/DictionaryService/getThirdPartyTrackingDomain

GET	/DictionaryService/getMediaAdFormat

- ## Example of Better Inquiry
  - Event
  - Event occurred
  - Request header
  - Request body
  - Response header
  - Response body

  *Include rid(X-Yahoo-Ads-Rid) of response body or response header in the inquiry

FAQ

EOF