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Yahoo! Ads API Hands-on Training

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Yahoo! Ads API Hands-on Training - Agenda

- Technical Specifications
- OpenAPI
  - Background, How to Use
- Hands-on Training
- Migration
- Trouble Shooting, Tips
- FAQ

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Technical Specifications

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Technical Specifications

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Transport	REST
Encoding	JSON
Authentication	OAuth2

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OpenAPI

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- 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

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Background of OpenAPI introduction on Yahoo! Ads API

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

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

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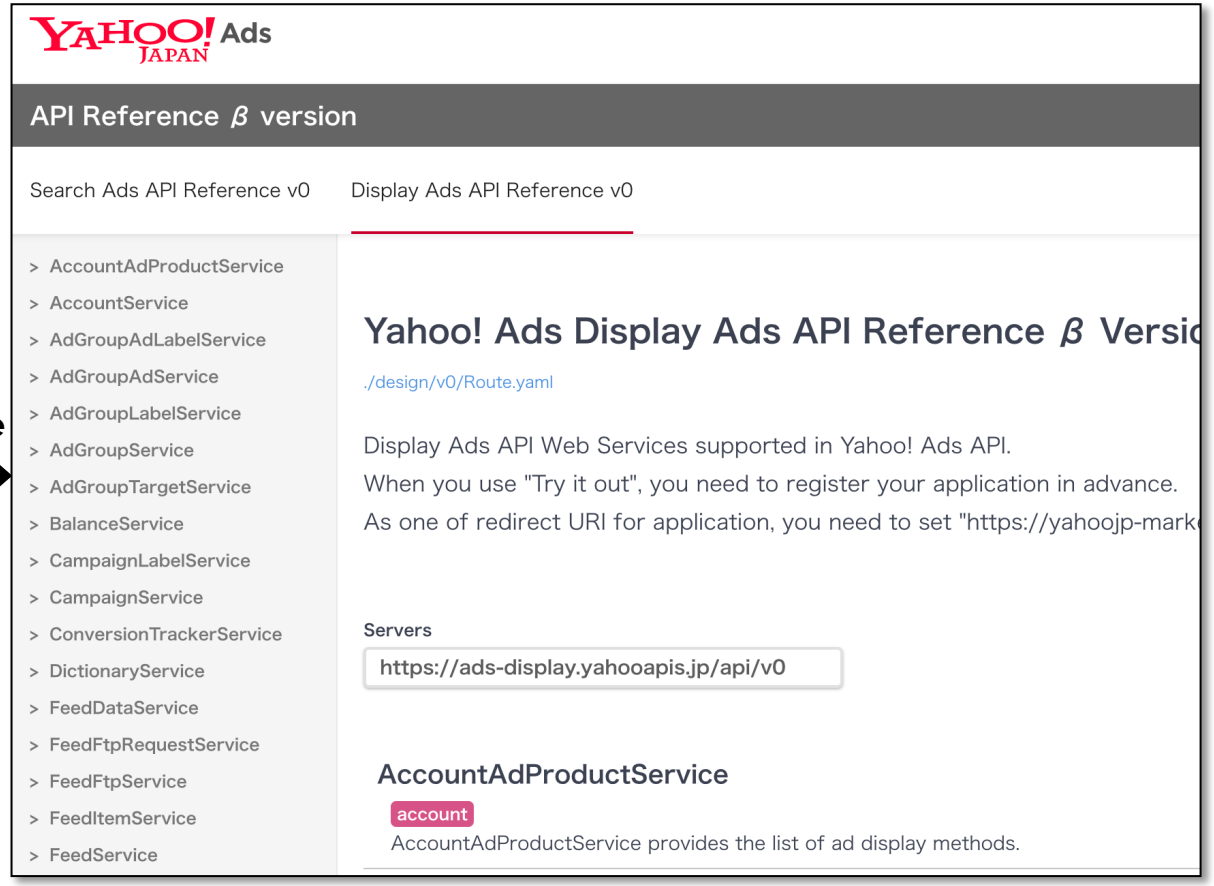
yaml file

```yaml
openapi: 3.0.2
info:
  title: 'Yahoo!広告 ディスプレイ広告 API リファレンス β版 / Yahoo!
    Version'
  version: 'v0'
  description: |
    <div lang="ja">Yahoo!広告 ディスプレイ広告 APIのWebサービスについ
    「Try it out」のご利用には、事前にアプリケーションの登録が必要です。
    https://yahoojp-marketing.github.io/ads-display-api-docume
    </div>
    <div lang="en">Display Ads API Web Services supported in Y
    When you use "Try it out", you need to register your appli
    As one of redirect URI for application, you need to set "h
    </div>

components:
  securitySchemes:
    oAuth:
      type: oauth2
```

generate

API Reference



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/

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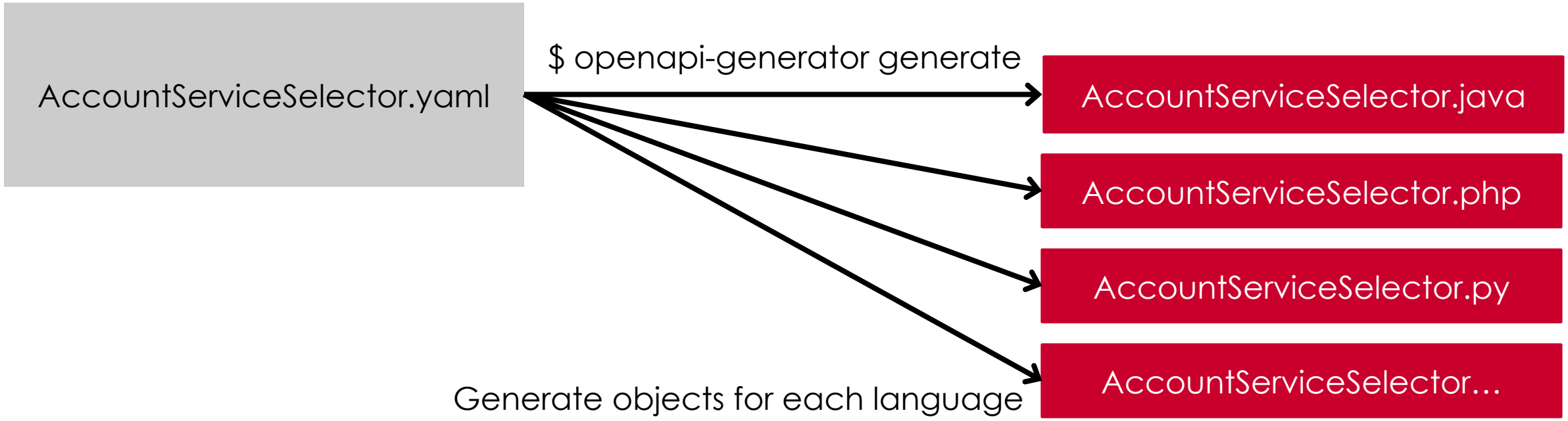

# Sample object for java
$ git clone https://github.com/yahoojp-marketing/ads-display-api-documents.git
$ openapi-generator generate -i ./ads-display-api-documents/design/v0/Route.yaml -g java -o /path/to/obj

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

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OpenAPI (on Yahoo! Ads API)

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

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Hands-on Training

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- Yahoo! Ads Display Ads
  - Browsing / Updating
  - Upload / Download

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

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- 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

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Migration

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*Depending on each case of application development...

Assumption

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

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- Gradual migration by each service is recommended

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

→

AAAService(Yahoo! JAPAN Promotional Ads API)
BBBService(Yahoo! JAPAN Promotional Ads API)
CCCService(Yahoo! 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! Ads API
  - Because it will make a separation upon generating issues is hard

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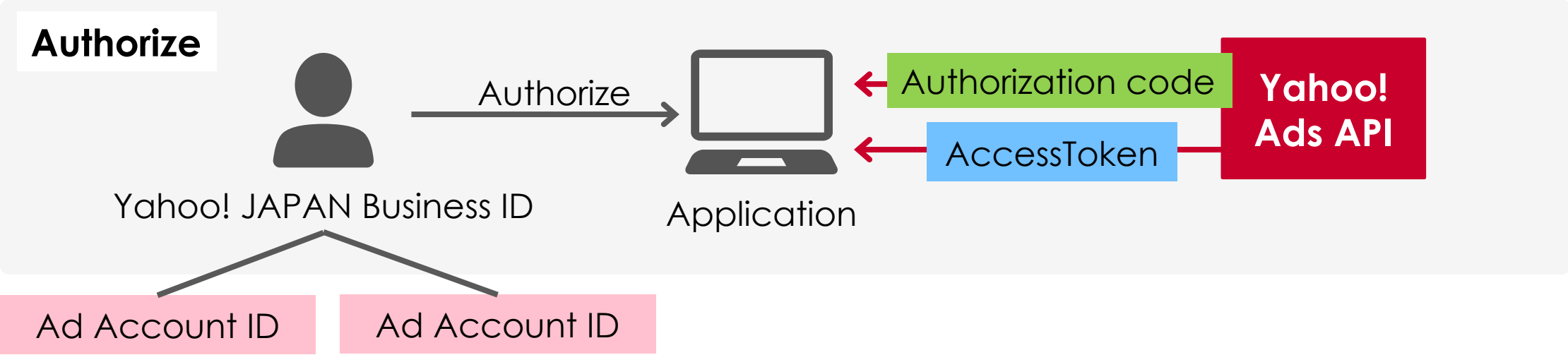
Authorize with Business ID that can operate an ad account operated by Standard Authentication, and issue Authorization code, Refresh token and Access token



*Ad account operated by Standard authentication

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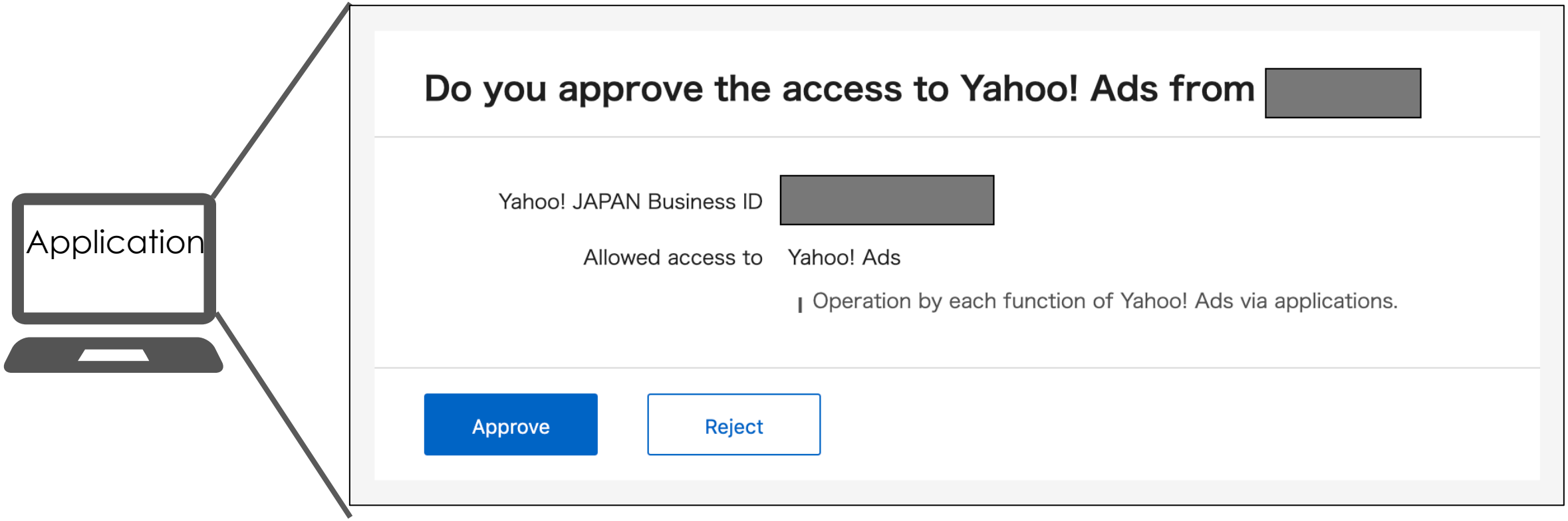
- New process supporting OAuth code flow to be authorized with tool user's Business ID



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Trouble Shooting, Tips

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- 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

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- 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)

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- 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

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FAQ

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EOF

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