

Online Api Integration Document

v1.2

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1. About us

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2. Cooperation process

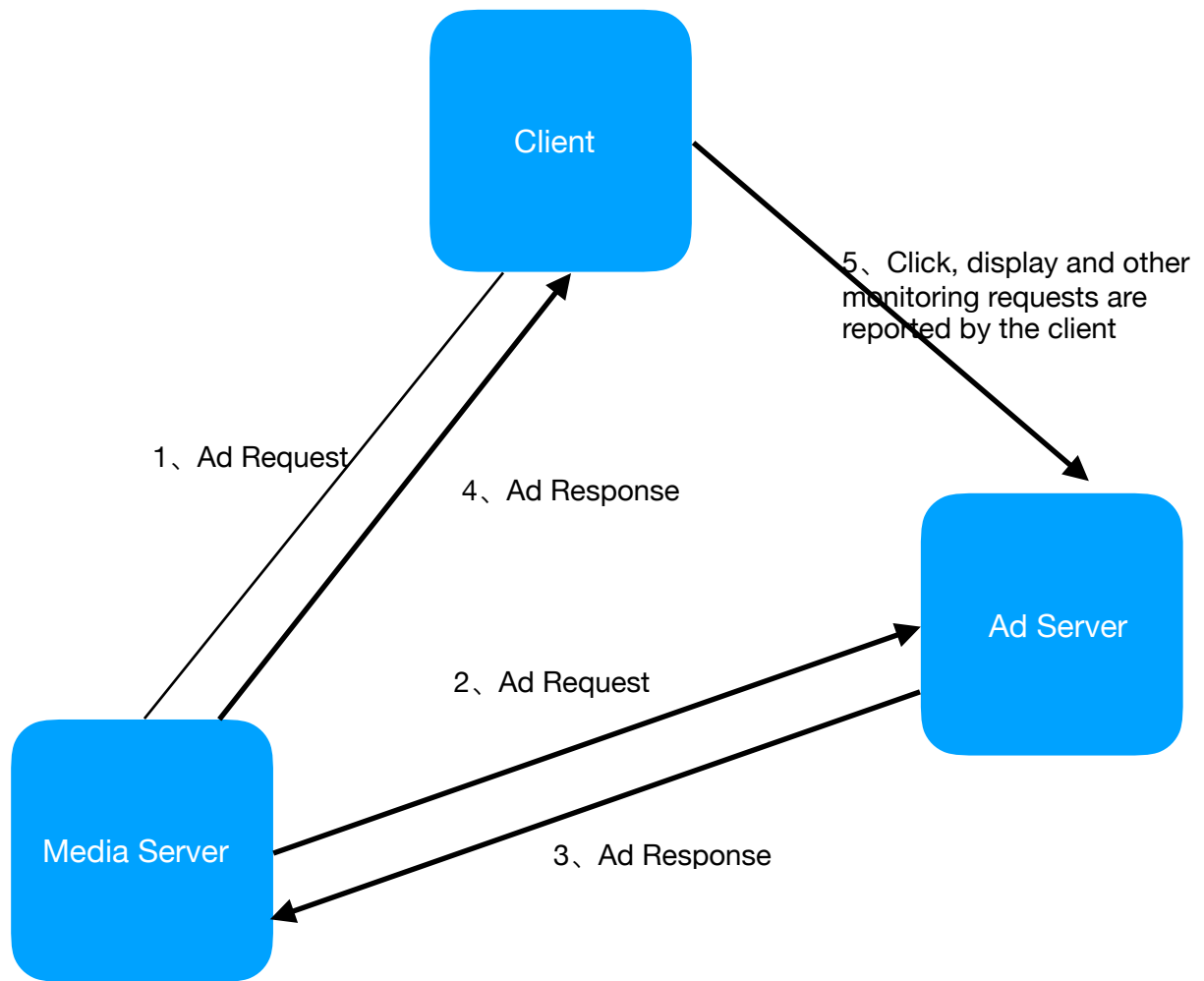
- 1、Negotiate and sign contracts
- 2、The system allocates pubid, token and adslotid
- 3、API document integrate
- 4、Complete integrate test
- 5、The official launch
- 6、Gain sharing

3. Advertising request process

- 1、Media advertising request process

The advertising request steps are shown below1-1：

a、The client in the figure is a real user b、The media server is the docking server。 c、The advertising server is our server；



4. Advertising request

4.1、Request url

<http://sspapi.max-mobi.com/api/getad>

4.2 Request Params

Field	Type	Required	Description
api_version	String	Y	Request the interface version number, as shown in the latest version of the document
app	<u>App</u>	Y	The application of information
device	<u>Device</u>	Y	Device information
adslot	<u>Adslot</u>	Y	Adslot information
network	<u>Network</u>	Y	Network information
gps	<u>Gps</u>	N	Gps information
user	<u>User</u>	Y	User information

App

Field	Type	Required	Description
app_id	String	Y	Application id(provided by us)
pub_id	String	Y	Media id(provided by us)
sign_key	String	Y	Key assigned by media (provided by us)
app_version	String	Y	Application version number
package_name	String	Y	Package name
app_name	String	Y	App name

Device

Field	Type	Required	Description
device_type	Int	Y	1:PC 2:Mobile Phone 3:Tablet
os_type	Int	Y	1:ios 2:android 3:windows 4:linux 5:macos
os_version	String	Y	System version
manufacturer	String	Y	Mobile manufacturer
vendor	String	Y	Mobile phone brand

Field	Type	Required	Description
model	String	Y	Mobile phone models
android_id	String	N	Android id; Android system must be uploaded
idfa	String	N	idfa, ios system must be uploaded
imei	String	Y	Mobile device identification code
imsi	String	Y	International mobile user identification code
Mac	String	Y	mac
ua	String	Y	User-Agent
w	Int	Y	screen width
h	Int	Y	screen height
gaid	String	N	android google ad id
deny	String	N	screen density
orientation	Int	Y	Screen direction 1: longitudinal direction 2: transverse direction
battery	Int	Y	Percentage of remaining battery charge (value range is 0 to 100)

Adslot

Field	Type	Required	Description
adslot_id	String	Y	Advertising id(to be assigned by us)
adslot_w	int	Y	Adslot width
adslot_h	Int	Y	Adslot height

Network

Field	Type	Required	Description
ip	String	Y	client ip
connect_type	int	Y	1:wifi 2: 2G 3: 3G 4: 4G

Gps

Field	Type	Required	Description
lon	double	N	longitude
lat	double	N	<i>latitude</i>

User

Field	Type	Required	Description
uid	String	Y	User unique identifier must be uploaded
sex	int	N	0: unknown 1: male 2: female
age	Int	N	Age
mark	String	N	<i>User label</i>
edu	Int	N	Education: 0: unknown, 1-doctor, 2-master, 3-bachelor, 4-junior college, 5-high school, 6-junior high school
job	Sting	N	<i>Jobs, such as: programmer, game planner</i>
marriage	Int	N	0: unknown 1: married 2: unmarried 3: single

5. Response params

Field	Type	Required	Description
error_code	Int	Y	0:success , other code fail
error_msg	String	Y	<i>error message</i>
aditems	<u>Aditem</u> []	Y	<i>Advertising information list</i>

Aditem

Field	Type	Required	Description
adslot_type	Int	Y	ad type 0:banner 1:Interstitial Ads 2:Full Screen Ads 3:Video Ads 4:native
creative_type	int	Y	<i>Ads show type: 1:native 2: rich media(html) 3:img,img txt 4:video 5:download</i>
interaction_type	int	Y	<i>Open the way 1:webview 2:download</i>
deep_link	String	N	<i>deep_link address, if it exists, use deep_link address first, no target_url exists</i>
target_url	String	N	<i>Landing page or download address</i>
adm	<u>Adm</u>	N	when creative_type is 2, there is content
downloadAdm	<u>DownloadAdm</u>	N	when creative_type is 5, there is content
videoAdm	<u>VideoAdm</u>	N	when creative_type is 4, there is content
imgTxtAdm	<u>ImgTxtAdm</u>	N	when creative_type is 3, there is content
admnative	<u>AdmNative</u>	N	when creative_type is 1, there is content
expiration_time	Long	Y	ads expiration time, unit second
impressiontrackers	String[]	Y	Display monitoring url
clicktrackers	String[]	Y	Click monitoring url
downloadStartTrackers	String[]	Y	Download start monitoring url
downloadEndTrackers	String[]	Y	Download end monitoring url
installedTrackers	String[]	Y	installed monitoring url

Adm

Field	Type	Required	Description
content	String	Y	html

DownloadAdm

Field	Type	Required	Description
downloadAppName	String	N	Download the application name
downloadIcon	String	N	Download the application icon
downloadPack	String	N	Download the package name
downloadPackSize	String	N	The size of the downloaded package body

VideoAdm

Field	Type	Required	Description
width	Int	N	Video width
height	Int	N	Video height
title	String	N	title
url	String	Y	video url
play_duration	int	Y	video duration
images	<u>Image</u> []	N	images
trackers	<u>VideoTrackers</u>	Y	video play trackers
companion	<u>Companion</u> []	Y	companions

VideoTrackers

Field	Type	Required	Description
impress	String[]	Y	<i>video show monitoring urls</i>
click	String[]	Y	<i>video click monitoring urls</i>
start	String[]	Y	<i>video play start monitoring urls</i>
pause	String[]	N	<i>video play pause monitoring urls</i>

Field	Type	Required	Description
conti	String[]	N	<i>video play continue monitoring urls</i>
exit	String[]	Y	<i>video play exit monitoring urls</i>
comp	String[]	Y	<i>video play complete monitoring urls</i>
tshow	TShow[]	N	<i>Video has been played for seconds monitoring, note that there may be more than one</i>
first_quartile	String[]	N	<i>Video plays to 1/4 progress monitoring URL list</i>
mid_point	String[]	N	<i>Video plays to 2/4 progress monitoring URL list</i>
third_quartile	String[]	N	<i>Video plays to 3/4 progress monitoring URL list</i>
full_screen	String[]	N	<i>Video full screen playback monitor URL list</i>
mute	String[]	N	<i>mute</i>
unmute	String[]	N	<i>Cancel the mute</i>
resume	String[]	N	<i>The playback</i>

TShow信息

Field	Type	Required	Description
t	int	Y	Video played time; Unit: second
url	String[]	Y	Video plays t seconds after the reported monitoring url

Companion

Field	Type	Required	Description
width	int	Y	ad widht
height	int	Y	Ad height
html_resource	String	Y	html
trackers	<u>CompTracker</u>	Y	Companion tracker

CompTracker

Field	Type	Required	Description
impress	String[]	Y	impress monitoring url
click	String[]	Y	click monitoring url

ImgTxtAdm信息

Field	Type	Required	Description
title	String	Y	title
desc	String	Y	Desc
images	<u>Image</u> []	Y	images

Image

Field	Type	Required	Description
width	int	Y	width
height	int	Y	height
url	String	Y	Url

AdmNative

Field	Type	Required	Description
title	String	Y	<i>Title</i>
desc	String	Y	<i>Desc</i>

Field	Type	Required	Description
desc2	String	Y	<i>Desc2</i>
displayurl	String	Y	<i>Display url</i>
icon	<u>Image</u>	Y	<i>Icon</i>
logo	<u>Image</u>	Y	<i>Logo</i>
images	<u>Image</u> []	Y	<i>Images</i>
flash	<u>Image</u>	N	<i>imrpess video</i>
sponsored	String	N	<i>sponsors</i>
rating	String	N	<i>rating</i>
likes	String	N	likes
downloads	String	N	<i>Downloads</i>
price	String	N	<i>Price</i>
saleprice	String	N	saleprice
phone	String	N	<i>Phone</i>
address	String	N	<i>Address</i>
ctatext	String	N	<i>ctatext</i>

6. Request method

Support request method: Http Post, Request json body, Response json body

The following are the test parameters provided by us, and the formal environmental parameters will be assigned after passing the test

```

adslotid: 0c2c1f3c6620c1344d98e0d0cfc4a5bf
appid:    3f2f35d7f334607ca58b26f91b6fec41
pubid:    10031
sign:     fa42830078f3e9ff92c5a1023477d09a

```

6.1、Json request example

```

{
  "api_version": "1.1",

```

```
"app": {
  "app_id": "1",
  "pub_id": "10024",
  "sign_key": "1a7492b563f8c1c0d2ee3ds883b5eb7c",
  "app_version": "1.0",
  "app_name": "mg game",
  "package_name": "com.mobgeek.adsdk.sample"
},
"device": {
  "device_type": 2,
  "os_type": 2,
  "os_version": 2.7,
  "manufacturer": "HUAWEI",
  "vendor": "HUAWEI",
  "model": "HUAWEINXT-AL10",
  "android_id": "5c1d48740babaa32",
  "idfa": "1E2DFA89-496A-47FD-9941-DF1FC4E6484A",
  "imei": "861918031384853",
  "imsi": "460011418603055",
  "mac": "fc3f7c33a9b2",
  "deny": 3,
  "ua": "MozillaV5.0 (Linux; Android 7.0; HUAWEI NXT-AL10 Build/HUAWEINXT-AL10; wv) AppleWebKitV537.36 (KHTML, like Gecko) VersionV4.0 ChromeV69.0.3497.100 Mobile SafariV537.36",
  "w": 1080,
  "h": 1812,
  "gaid": "c42216ae-1034-41aa-854e-e0f411748fc8",
  "orientation": 1,
  "battery": 80
},
"adslot": {
  "adslot_id": "6bf8d8861efc9a4859950sdfa42f8d96",
  "adslot_w": 320,
  "adslot_h": 50
},
"network": {
  "ip": "192.168.2.172",
  "connect_type": 1,
  "carrier": 3,
  "cellular_id": ""
},
"gps": {
  "lon": 1,
  "lat": 3
},
"user": {
  "uid": "6bf8d8861efc9a485995052ddd2f8d96",
  "sex": 1,
  "age": 30,
  "mark": "",
  "edu": 3,
  "job": "game",
  "marriage": 1
}
}
```

6.2、Response example

```
{
  "error_code": 0,
  "error_msg": "",
  "aditems": [
    {
      "adslot_type": 0,
      "creative_type": 3,
      "adm": null,
      "downloadAdm": null,
      "videoAdm": null,
      "imgTxtAdm": {
        "title": "test banner",
        "desc": "this is a test banner",
        "images": [
          {
            "width": 600,
            "height": 500,
            "url": "http://mgonline-sdk.oss-cn-hangzhou.aliyuncs.com/chaping.png"
          }
        ]
      },
      "admnative": null,
      "impressiontrackers": [],
      "clicktrackers": [],
      "downloadStartTrackers": [],
      "downloadEndTrackers": [],
      "installedTrackers": [
        "http://report.mobgeekonline.com/report/online/installed?requestId=690da706-97a4-46d6-ba19-a13c16a715e5"
      ],
      "activeTrackers": [
        "http://report.max-mobi.com/report/online/actived?requestId=690da706-97a4-46d6-ba19-a13c16a715e5"
      ],
      "expiration_time": 1544170648633,
      "interaction_type": 1,
      "deep_link": null,
      "target_url": null
    }
  ]
}
```

7、Cooperation instructions

1、 In the parameter list, if Required is Y, it is the Required Field. Please upload the real value, otherwise the integrate will be affected. More word-end uploads of user information can provide liquidity.

2、 The advertisement request allows the server side to initiate, and the uploaded IP and user-agent must be the real information of the client side. Click display and other monitoring requests must be initiated by the client.

3、 When an advertisement request is issued with a valid time, the Aditem.expiration_time field indicates the valid time of the advertisement in seconds. The advertisement monitoring report beyond that time would be invalid and you would like to request a new advertisement again。

4、 Aditem.deep_link is not empty, deep_link is preferred to open the link, and if it is empty, target_url is used to open the link

8、 Event monitoring

1、 The client needs to monitor the following events, including display monitoring, click monitoring, download monitoring, installation monitoring, activation monitoring, video monitoring. When an event is triggered, the client requests the monitoring url,client user-agent information needs to be uploaded to monitor the request.

2、 Monitoring links may contain macros of various kinds, and if so, replace them with real values and request urls.

8.1 、 Monitoring the trigger

1、 Display monitor

When the AD is presented to the user successfully, links to impressiontrackers arrays in the fields are returned one by one.

2、 Click monitor

When the user clicks on an advertisement, return a link to the clicktrackers array in the field to access it one by one.

3、 Download monitor

When the user starts clicking on the download, return a link to the downloadStartTrackers array in the field to access them one by one.

When the user finishes the download, return a link to the downloadEndTrackers array in the field to access them one by one.

4、 Install monitor

When the user successfully installedTrackers the application, the link back to the installedTrackers array in the field is accessed one by one.

5、 Active monitor

When the user successfully activates the application, return links to the activeTrackers array in the fields to be accessed one by one.

6、 Video monitor

a、 When the video was shown, return to the field of Aditem.VideoAdm.Trackers Each visit, impress array impressiontrackers array of report and return to the field one by one to visit

b、 When users click on the video, return to the field of Aditem.VideoAdm.Trackers Each visit, click array clicktrackers array of report and return to the field one by one to visit.

c、 Video with advertising display, return to the field the Aditem.videoAdm.companion.Trackers Each visit, impress array impressiontrackers array of report and return to the field one by one to visit。

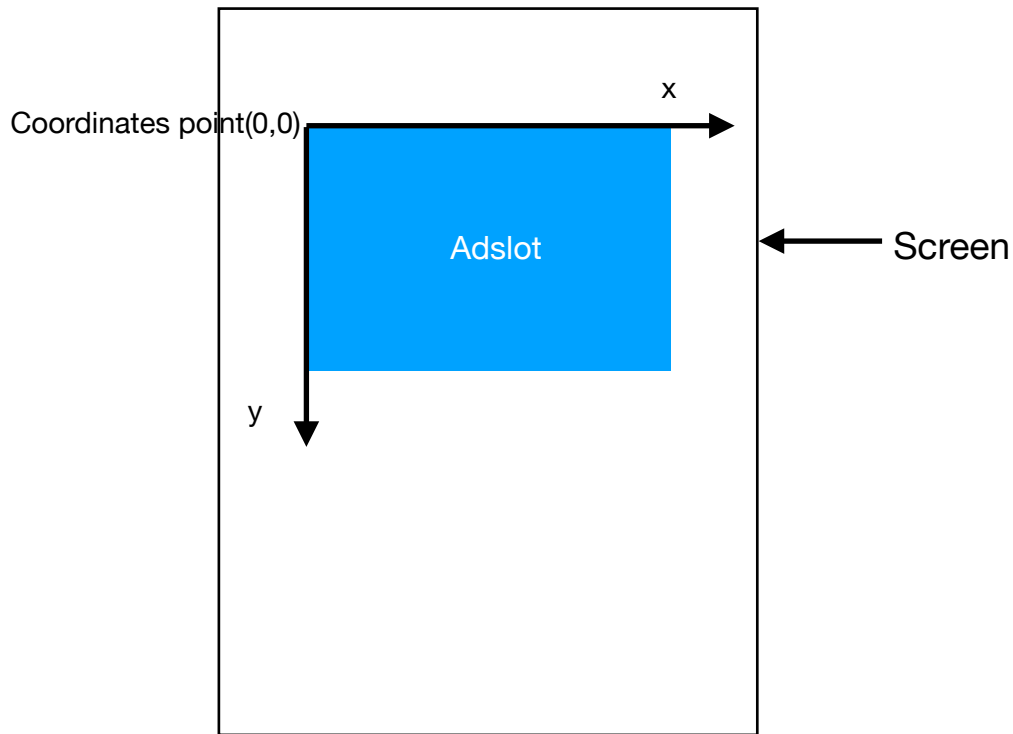
d、Video with AD clicks, return to the field the Aditem.videoAdm.companion.Trackers
Each visit, click array clicktrackers array of report and return to the field one by one to visit.

e、Arrays returned when other video monitoring events are triggered are accessed one by one.

8.2、URL相关宏

Field	Description
__CLICK_TIME_START__	The time stamp (in milliseconds, for example 1543559642851) when the user clicks on the advertisement and presses the screen.
__CLICK_TIME_END__	The time stamp (in milliseconds, for example: 1543559642851) when the user clicks the advertisement to leave the screen.
__DOWN_X__	When the user clicks on the advertisement and presses down the screen, the abscissa (unit: pixels and positive integer)
__DOWN_Y__	The vertical coordinate (in pixels and positive integer) of the screen when the user clicks on the advertisement and presses down.
__UP_X__	Abscissa when the user clicks the advertisement to leave the screen (unit: pixels, and a positive integer)
__UP_Y__	Vertical coordinate (in pixels and positive integer) when the user clicks the advertisement to leave the screen
__VIDEO_DURATION__	In video advertisement, when the user clicks, video has been played for seconds

8.3、Coordinates describe



9、 Adslot Size

With the width and height of the advertisement in the request parameter, it is preferred to match the width and height satisfied when actually returning the advertisement; otherwise, it will return the advertisement resource with similar width and height. Below are the commonly used advertising sizes

9.1 Banner

- 1、 640*100
- 2、 320*50

9.2 Interstitial Ads

- 1、 600*500

9.3 Full Screen Ads

- 1、 640*960

9.4 Native

- 1、640*360
- 2、300*200
- 3、1280*720

9.5 Video Ads

- 1、1280*720