### 1. \*\*First, When SDK is installed(App installed)，this request sends to server, and response a user\_id which is saved in phone and used for device id later\*\*

#### GET Request URL：https://superads-sdk-gateway.superadsprod.net/api/meta/user/id

#### Request Headers：empty

#### Request Body：empty

#### Response body：

```

{

"id": "fd3f0775-9000-412a-be70-374b2d6cfe6f"

}

```

### 2. \*\*Get a Banner Ad\*\*

#### POST Request URL：https://superads-sdk-gateway.superadsprod.net/api/bid/banner

#### Request Headers：

| KEY | VALUE | DESCRIPTION |

| -------- | -----: | :----: |

| Content-Type | application/json | |

#### Request Body：

```

{

"id": "YOUR\_PLACEMENT\_ID\_HERE@7c7d7f43-7118-4e3c-8595-12eea5337e28",

"app": {

"bundle": "com.superads.android.adsdkdemostandalone",

"name": "SuperADS Demo",

"ver": 1,

"id": "123456",

"publisher": {

"id": 1140

}

},

"device": {

"connectiontype": 2,

"devicetype": 1,

"w": 1080,

"h": 1794,

"hwv": "walleye",

"carrier": "",

"language": "zh\_CN\_#Hans",

"model": "Pixel 2",

"os": "Android",

"osv": "8.1.0",

"pxratio": 2.625,

"make": "google",

"ua": "Mozilla/5.0 (Linux; Android 8.1.0; Pixel 2 Build/OPM2.171026.006.G1; wv) AppleWebKit/537.36 (KHTML, like Gecko) Version/4.0 Chrome/61.0.3163.98 Mobile Safari/537.36",

"geo": {

"country": "ID"

}

},

"imp": [

{

"banner": {

"w": 728,

"h": 90

},

"displaymanagerver": "20",

"instl": 0

}

],

"user": {

"id": "e6a89007-0cf7-42cc-a5f0-8d501284c10f"

}

}

```

request：

| KEY | VALUE | DESCRIPTION |

| -------- | -----: | :----: |

| id | id\_xxx | the request id |

app：

| KEY | VALUE | DESCRIPTION |

| -------- | -----: | :----: |

| bundle | com.superads.android.adsdkdemostandalone | app package name |

| name | SuperADS Demo | app name |

| ver | 1 | app version |

| id | 27 | app id in platform.superads.cn |

publisher：

| KEY | VALUE | DESCRIPTION |

| -------- | -----: | :----: |

| id | 1069 | publisher id in platform.superads.cn |

device：

| KEY | VALUE | DESCRIPTION |

| -------- | -----: | :----: |

| connectiontype | 2 | -1:unknown, 2:wifi, 3:mobile |

| devicetype | 1 | 1:Mobile/Tablet |

| w | 1080 | screen width of device |

| h | 1794 | creen height of device |

| hwv | walleye | device internal model |

| carrier | CMCC | carrier |

| language | zh\_CN\_#Hans | language of device os |

| model | Pixel 2 | device external model |

| os | Android | device os |

| osv | 8.1.0 | device os version |

| pxratio | 2.625 | device screen density |

| make | google | device manufactory |

| ua | Mozilla/5.0 (Linux; Android 8.1.0; Pixel 2 Build/OPM2.171026.006.G1; wv) AppleWebKit/537.36 (KHTML, like Gecko) Version/4.0 Chrome/61.0.3163.98 Mobile Safari/537.36 | user agent |

geo：

| KEY | VALUE | DESCRIPTION |

| -------- | -----: | :----: |

| country | ID | ISO 3166-1 country code |

imp：

| KEY | VALUE | DESCRIPTION |

| -------- | -----: | :----: |

| displaymanagerver | 20 | |

| instl | 0 | 0：no intestitial，1：interstitial |

banner：

| KEY | VALUE | DESCRIPTION |

| -------- | -----: | :----: |

| w | 728 | banner width |

| h | 90 | banner height |

#### response body：

```

{

"id": "YOUR\_PLACEMENT\_ID\_HERE@7c7d7f43-7118-4e3c-8595-12eea5337e28",

"seatbid": [

{

"bid": [

{

"id": "YOUR\_PLACEMENT\_ID\_HERE@7c7d7f43-7118-4e3c-8595-12eea5337e28",

"price": 0,

"nurl": null,

"adm": "<a href=\"https://superads-sdk-gateway.superads-staging.net/api/tracking/click?pbu=aHR0cHM6Ly9jbG91ZC10cmFjay5zdXBlcmFkcy5jbi9pbmRleC5waHA\_Y2FtcD00JmNyZWF0aXZlX2lkPTEwOCZhcHBfaWQ9MjUmYWRfc2V0X2lkPTQ3JmNoX2lkPTEwNjkmdXNlcl9pZD1ZT1VSX1BMQUNFTUVOVF9JRF9IRVJFQDdjN2Q3ZjQzLTcxMTgtNGUzYy04NTk1LTEyZWVhNTMzN2UyOA==\"><img src=\"https://d3niwjjcw9coqg.cloudfront.net/19d05e35f303c501d639a7c8c57757ca.jpg\" height=\"90\" width=\"728\" /></a>",

"ext": {

"eventsUrls": {

"impression": "https://superads-sdk-gateway.superads-staging.net/api/tracking/impression?pbu=aHR0cDovL3Nka3RyYWNraW5nLnN1cGVyYWRzLmNuL3JlY29yZEltcHJlc3Npb24\_Y2FtcD00JmNyZWF0aXZlX2lkPTEwOCZhcHBfaWQ9MjUmYWRfc2V0X2lkPTQ3JmNoX2lkPTEwNjkmdXNlcl9pZD1ZT1VSX1BMQUNFTUVOVF9JRF9IRVJFQDdjN2Q3ZjQzLTcxMTgtNGUzYy04NTk1LTEyZWVhNTMzN2UyOA==",

"click": "https://superads-sdk-gateway.superads-staging.net/api/tracking/click?pbu=aHR0cHM6Ly9jbG91ZC10cmFjay5zdXBlcmFkcy5jbi9pbmRleC5waHA\_Y2FtcD00JmNyZWF0aXZlX2lkPTEwOCZhcHBfaWQ9MjUmYWRfc2V0X2lkPTQ3JmNoX2lkPTEwNjkmdXNlcl9pZD1ZT1VSX1BMQUNFTUVOVF9JRF9IRVJFQDdjN2Q3ZjQzLTcxMTgtNGUzYy04NTk1LTEyZWVhNTMzN2UyOA=="

}

},

"impid": null

}

]

}

]

}

```

| KEY | VALUE | DESCRIPTION |

| -------- | -----: | :----: |

| id | YOUR\_PLACEMENT\_ID\_HERE@xxx | the id in the request |

| price | 0 | Ad price |

| adm | 0 | Ad creatives in html format, find image url in "img src=", and then you can download it |

eventsUrls：

| KEY | VALUE | DESCRIPTION |

| -------- | -----: | :----: |

| impression | | when you show Ad successfully, send this impression url to report server the events |

| click | | when use click the Ad, open this click\_url in broswer or Play store to jump the target |

### 3. \*\*Request Interstitial Ad\*\*

#### POST Request URL：https://superads-sdk-gateway.superadsprod.net/api/bid/banner

#### Request Headers：

| KEY | VALUE | DESCRIPTION |

| -------- | -----: | :----: |

| Content-Type | application/json | |

#### Request Body：

```

{

"id": "YOUR\_PLACEMENT\_ID\_HERE@d0ef1135-02a0-471d-8219-4162d71ecf1a",

"app": {

"bundle": "com.aitype.android.ads",

"id": "31",

"name": "App\_Name",

"publisher": {

"id": "1140",

"name": "Publisher\_Name"

},

"storeurl": "https://play.google.com/store/apps/details?id=com.aitype.android&hl=en",

"ver": 1

},

"device": {

"connectiontype": 2,

"devicetype": 1,

"w": 1080,

"h": 1794,

"hwv": "walleye",

"carrier": "",

"language": "zh\_CN\_#Hans",

"model": "Pixel 2",

"os": "Android",

"osv": "8.1.0",

"pxratio": 2.625,

"make": "google",

"ua": "Mozilla/5.0 (Linux; Android 8.1.0; Pixel 2 Build/OPM2.171026.006.G1; wv) AppleWebKit/537.36 (KHTML, like Gecko) Version/4.0 Chrome/61.0.3163.98 Mobile Safari/537.36",

"geo": {

"country": "CN"

}

},

"imp": [

{

"banner": {

"w": 1024,

"h": 768

},

"displaymanagerver": "18",

"instl": 1

}

],

"user": {

"id": "af49bdc2-b63d-4980-b74d-2f346efd43c3"

}

}

```

imp：

| KEY | VALUE | DESCRIPTION |

| -------- | -----: | :----: |

| displaymanagerver | 20 | |

| instl | 1 | 0：no interstitial(banner), 1：interstitial |

banner：

| KEY | VALUE | DESCRIPTION |

| -------- | -----: | :----: |

| w | 1024 | interstitial ad width |

| h | 768 | interstitial ad height |

#### reponse body：

```

{

"id": "YOUR\_PLACEMENT\_ID\_HERE@d0ef1135-02a0-471d-8219-4162d71ecf1a",

"seatbid": [

{

"bid": [

{

"id": "YOUR\_PLACEMENT\_ID\_HERE@d0ef1135-02a0-471d-8219-4162d71ecf1a",

"price": 0,

"nurl": null,

"adm": "<a href=\"https://superads-sdk-gateway.superads-staging.net/api/tracking/click?pbu=aHR0cHM6Ly9jbG91ZC10cmFjay5zdXBlcmFkcy5jbi9pbmRleC5waHA\_Y2FtcD03NiZjcmVhdGl2ZV9pZD0yOTAmYXBwX2lkPTMzJmFkX3NldF9pZD0xMjMmY2hfaWQ9MTE1NSZ1c2VyX2lkPWFmNDliZGMyLWI2M2QtNDk4MC1iNzRkLTJmMzQ2ZWZkNDNjMw==\"><img src=\"https://d3niwjjcw9coqg.cloudfront.net/95e478c4d986ca4d7979c57160f45277.jpg\" /></a>",

"ext": {

"eventsUrls": {

"impression": "https://superads-sdk-gateway.superads-staging.net/api/tracking/impression?pbu=aHR0cDovL3Nka3RyYWNraW5nLnN1cGVyYWRzLmNuL3JlY29yZEltcHJlc3Npb24\_Y2FtcD03NiZjcmVhdGl2ZV9pZD0yOTAmYXBwX2lkPTMzJmFkX3NldF9pZD0xMjMmY2hfaWQ9MTE1NSZ1c2VyX2lkPWFmNDliZGMyLWI2M2QtNDk4MC1iNzRkLTJmMzQ2ZWZkNDNjMw==",

"click": "https://superads-sdk-gateway.superads-staging.net/api/tracking/click?pbu=aHR0cHM6Ly9jbG91ZC10cmFjay5zdXBlcmFkcy5jbi9pbmRleC5waHA\_Y2FtcD03NiZjcmVhdGl2ZV9pZD0yOTAmYXBwX2lkPTMzJmFkX3NldF9pZD0xMjMmY2hfaWQ9MTE1NSZ1c2VyX2lkPWFmNDliZGMyLWI2M2QtNDk4MC1iNzRkLTJmMzQ2ZWZkNDNjMw=="

}

},

"impid": null

}

]

}

]

}

```

### 4. \*\*Request Native Ad\*\*

#### POST Request URL：https://superads-sdk-gateway.superadsprod.net/api/bid/native

#### request headers：

| KEY | VALUE | DESCRIPTION |

| -------- | -----: | :----: |

| Content-Type | application/json | |

#### request body：

```

{

"id": "YOUR\_PLACEMENT\_ID\_HERE@29935051-bd32-4509-bcf8-9fe448ef1af8",

"app": {

"bundle": "com.aitype.android.ads",

"id": "31",

"name": "App\_Name",

"publisher": {

"id": "1140",

"name": "Publisher\_Name"

},

"storeurl": "https://play.google.com/store/apps/details?id=com.aitype.android&hl=en",

"ver": 1

},

"device": {

"connectiontype": 2,

"devicetype": 1,

"w": 1080,

"h": 1794,

"hwv": "walleye",

"carrier": "",

"language": "zh\_CN\_#Hans",

"model": "Pixel 2",

"os": "Android",

"osv": "8.1.0",

"pxratio": 2.625,

"make": "google",

"ua": "Mozilla/5.0 (Linux; Android 8.1.0; Pixel 2 Build/OPM2.171026.006.G1; wv) AppleWebKit/537.36 (KHTML, like Gecko) Version/4.0 Chrome/61.0.3163.98 Mobile Safari/537.36",

"geo": {

"country": "ID"

}

},

"imp": [

{

"native": {

"api": [

"1",

"2"

],

"battr": [

"1",

"2"

],

"request": "request",

"ver": "1"

},

"displaymanagerver": "18",

"instl": 0

}

],

"user": {

"id": "af49bdc2-b63d-4980-b74d-2f346efd43c3"

}

}

```

#### response body：

```

{

"id": "YOUR\_PLACEMENT\_ID\_HERE@29935051-bd32-4509-bcf8-9fe448ef1af8",

"seatbid": [

{

"bid": [

{

"id": "YOUR\_PLACEMENT\_ID\_HERE@29935051-bd32-4509-bcf8-9fe448ef1af8",

"price": 0,

"nurl": null,

"adm": "{\"link\":\"https://superads-sdk-gateway.superads-staging.net/api/tracking/click?pbu=aHR0cHM6Ly9jbG91ZC10cmFjay5zdXBlcmFkcy5jbi9pbmRleC5waHA\_Y2FtcD0yOCZjcmVhdGl2ZV9pZD0xNTkmYXBwX2lkPTI1JmFkX3NldF9pZD03NiZjaF9pZD0xMDY5JnVzZXJfaWQ9YWY0OWJkYzItYjYzZC00OTgwLWI3NGQtMmYzNDZlZmQ0M2Mz\",\"assets\":[{\"id\":\"1\",\"required\":1,\"data\":{\"value\":\"test\"}},{\"id\":\"2\",\"required\":1,\"title\":{\"text\":\"test\"}},{\"id\":\"3\",\"required\":1,\"image\":{\"url\":\"https://d3niwjjcw9coqg.cloudfront.net/de83293a05ea670362a728656a8f1082.png\"}},{\"id\":\"4\",\"required\":1,\"image\":{\"url\":\"http://sdksoure.s3-ap-southeast-1.amazonaws.com/a17660577836e9e1d18055dc0193a2b7.png\"}},{\"id\":\"5\",\"required\":1,\"data\":{\"value\":\"test\"}}],\"imptrackers\":[\"https://superads-sdk-gateway.superads-staging.net/api/tracking/impression?pbu=aHR0cDovL3Nka3RyYWNraW5nLnN1cGVyYWRzLmNuL3JlY29yZEltcHJlc3Npb24\_Y2FtcD0yOCZjcmVhdGl2ZV9pZD0xNTkmYXBwX2lkPTI1JmFkX3NldF9pZD03NiZjaF9pZD0xMDY5JnVzZXJfaWQ9YWY0OWJkYzItYjYzZC00OTgwLWI3NGQtMmYzNDZlZmQ0M2Mz\"]}",

"ext": null,

"impid": null

}

]

}

]

}

```

adm：

| KEY | VALUE | DESCRIPTION |

| -------- | -----: | :----: |

| link | url\_xxx | click url |

| imptrackers | url\_xxx | impression url |

assets：

| KEY | VALUE | DESCRIPTION |

| -------- | -----: | :----: |

| id | creative id, you can ignore | |

| require | 1 | is this asset required |

| data | | Ad describtion |

| title | | Ad title |

| image | | id 4 image: Ad icon image, id 3 image: big image image |

### 5. \*\*Request Video Ad\*\*

#### POST Request URL：https://superads-sdk-gateway.superadsprod.net/api/bid/video

#### request headers：

| KEY | VALUE | DESCRIPTION |

| -------- | -----: | :----: |

| Content-Type | application/json | |

#### request body：

```

{

"id": "YOUR\_PLACEMENT\_ID\_HERE@8a41d830-1505-45a8-9315-d49b396590c9",

"app": {

"bundle": "com.aitype.android.ads",

"id": "31",

"name": "App\_Name",

"publisher": {

"id": "1140",

"name": "Publisher\_Name"

},

"storeurl": "https://play.google.com/store/apps/details?id=com.aitype.android&hl=en",

"ver": 1

},

"device": {

"connectiontype": 2,

"devicetype": 1,

"w": 1080,

"h": 1794,

"hwv": "walleye",

"carrier": "",

"language": "zh\_CN\_#Hans",

"model": "Pixel 2",

"os": "Android",

"osv": "8.1.0",

"pxratio": 2.625,

"make": "google",

"ua": "Mozilla/5.0 (Linux; Android 8.1.0; Pixel 2 Build/OPM2.171026.006.G1; wv) AppleWebKit/537.36 (KHTML, like Gecko) Version/4.0 Chrome/61.0.3163.98 Mobile Safari/537.36",

"geo": {

"country": "CN"

}

},

"imp": [

{

"video": {

"mimes": [

"VIDEO\_X\_FLV",

"VIDEO\_MP4"

],

"boxingallowed": true,

"w": 560,

"h": 320,

"linearity": 1,

"maxbitrate": 1500,

"maxduration": 30,

"maxextended": 0,

"minbitrate": 300,

"minduration": 5,

"pos": 1,

"protocol": [

2,

3

],

"companiontype": [

2,

3

],

"skip": 1,

"skipmin": 15,

"skipafter": 5

},

"displaymanagerver": "18",

"instl": 0

}

],

"user": {

"id": "af49bdc2-b63d-4980-b74d-2f346efd43c3"

}

}

```

#### response body：

```

{

"id": "YOUR\_PLACEMENT\_ID\_HERE@8a41d830-1505-45a8-9315-d49b396590c9",

"seatbid": [

{

"bid": [

{

"id": "YOUR\_PLACEMENT\_ID\_HERE@8a41d830-1505-45a8-9315-d49b396590c9",

"price": 0,

"nurl": null,

"adm": "<VAST version=\"3.0\" xmlns:xs=\"http://www.w3.org/2001/XMLSchema\">\n <Ad id=\"20009\">\n <InLine>\n <AdSystem version=\"4.0\">iabtechlab</AdSystem>\n <AdTitle>iabtechlab video ad</AdTitle>\n <Pricing model=\"cpm\" currency=\"USD\">\n <![CDATA[ 25.00 ]]>\n </Pricing>\n <Error>http://example.com/error</Error>\n <Impression id=\"Impression-ID\">http://example.com/track/impression</Impression>\n <Creatives>\n <Creative id=\"5480\" sequence=\"1\">\n <Linear>\n <Duration>00:00:16</Duration>\n\n <TrackingEvents>\n <Tracking event=\"start\">http://example.com/tracking/start</Tracking>\n <Tracking event=\"firstQuartile\">http://example.com/tracking/firstQuartile</Tracking>\n <Tracking event=\"midpoint\">http://example.com/tracking/midpoint</Tracking>\n <Tracking event=\"thirdQuartile\">http://example.com/tracking/thirdQuartile</Tracking>\n <Tracking event=\"complete\">http://example.com/tracking/complete</Tracking>\n <Tracking event=\"progress\" offset=\"00:00:10\">http://example.com/tracking/progress-10</Tracking>\n </TrackingEvents>\n\n <VideoClicks>\n <ClickThrough id=\"blog\">\n <![CDATA[https://iabtechlab.com]]>\n </ClickThrough>\n <ClickTracking>\n <![CDATA[http://example.com/trackingurl/clickTracking]]>\n </ClickTracking>\n </VideoClicks>\n\n <MediaFiles>\n <MediaFile id=\"5241\" delivery=\"progressive\" type=\"video/mp4\" bitrate=\"500\" width=\"400\" height=\"300\" minBitrate=\"360\" maxBitrate=\"1080\" scalable=\"1\" maintainAspectRatio=\"1\" codec=\"0\">\n <![CDATA[https://iab-publicfiles.s3.amazonaws.com/vast/VAST-4.0-Short-Intro.mp4]]>\n </MediaFile>\n </MediaFiles>\n\n </Linear>\n </Creative>\n </Creatives>\n <Extensions>\n <Extension type=\"iab-Count\">\n <total\_available>\n <![CDATA[ 2 ]]>\n </total\_available>\n </Extension>\n </Extensions>\n </InLine>\n </Ad>\n</VAST>\n",

"ext": {

"eventsUrls": {

"impression": "https://superads-sdk-gateway.superads-staging.net/api/tracking/impression?pbu=aHR0cDovL3Nka3RyYWNraW5nLnN1cGVyYWRzLmNuL3JlY29yZEltcHJlc3Npb24\_Y2FtcD0xJmNyZWF0aXZlX2lkPTE3NCZhcHBfaWQ9MjcmYWRfc2V0X2lkPTQ2JmNoX2lkPTEwNjkmdXNlcl9pZD1hZjQ5YmRjMi1iNjNkLTQ5ODAtYjc0ZC0yZjM0NmVmZDQzYzM=",

"click": "https://superads-sdk-gateway.superads-staging.net/api/tracking/click?pbu=aHR0cHM6Ly9jbG91ZC10cmFjay5zdXBlcmFkcy5jbi9pbmRleC5waHA\_Y2FtcD0xJmNyZWF0aXZlX2lkPTE3NCZhcHBfaWQ9MjcmYWRfc2V0X2lkPTQ2JmNoX2lkPTEwNjkmdXNlcl9pZD1hZjQ5YmRjMi1iNjNkLTQ5ODAtYjc0ZC0yZjM0NmVmZDQzYzM="

}

},

"impid": null

}

]

}

]

}

```

VAST：

| KEY | VALUE | DESCRIPTION |

| -------- | -----: | :----: |

| MediaFiles | media file url, video length, video width/height, bit rate | |

### 6. \*\*impression event report url\*\*

#### GET Request URL：https://superads-sdk-gateway.superadsprod.net/api/tracking/impression?pbu=xxxxx

#### request headers：empty

#### request body：empty

#### response: 200 OK

#### pbu is in get\_xxx\_ad interface response->eventsUrls->impression, which is base64 encode url.

### 7. \*\*click url to jump\*\*

#### GET Request URL：https://superads-sdk-gateway.superadsprod.net/api/tracking/click?pbu=xxxxx

#### request headers：empty

#### request body：empty

#### response 200 OK

#### pbu is in get\_xxx\_ad interface response->eventsUrls->impression, which is base64 encode url.