

AppMetrica

AppMetrica

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Yandex

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Plugin for Android Studio

**Attention:**

Support and development of the plugin has been stopped. For Android Studio 2021.2.1 Patch 1 and higher, plugin work is not guaranteed.

The plugin for Android Studio makes it easier to enable the AppMetrica SDK for an Android app. You can use it to add AppMetrica SDK in a few clicks and send the same events as to AppsFlyer.

The plugin supports Android Studio 4.2 and higher.

Contact support

If you didn't find the answer you were looking for, you can use the feedback form to submit your question. Please describe the problem in as much detail as possible. Attach a screenshot if possible.

Quick start

Below you will find a brief description of the steps to enable the AppMetrica SDK for your app using the Android Studio plugin. For a detailed description, see [Enabling the plugin](#) and [Enabling the AppMetrica SDK](#).

Follow these steps to enable the AppMetrica SDK for your app:

1. Open the Plugin Manager in Android Studio (**Preferences** → **Plugins**).
2. Find the AppMetrica plugin. To do this, enter AppMetrica in the search bar.
3. Click **Install**.
4. Close settings.
5. In the main menu, choose **Tools** → **AppMetrica** → **Integrate**.
6. *(Optional)* Choose the app to enable the AppMetrica SDK for (if there is more than one).
7. Specify the app's API key.
8. *(Optional)* Turn on the **Copy events from AppsFlyer** option to copy events from AppsFlyer, if it is enabled.
9. Click **Ok**.
10. Add the code to identify new users in the `isFirstActivationAsUpdate` method in your class inherited from `Application`.

Contact support

If you didn't find the answer you were looking for, you can use the feedback form to submit your question. Please describe the problem in as much detail as possible. Attach a screenshot if possible.

Connecting the plugin

The plugin is available in [JetBrains Marketplace](#).

To more easily work with the plugin, we recommend using the latest version of Android Studio.

Enabling the plugin in Android Studio

1. Open the Plugin Manager in Android Studio (**Preferences** → **Plugins**).
2. Find the AppMetrica plugin. To do this, enter AppMetrica in the search bar.
3. Click **Install**.

Note: For the plugin to work, you don't need to restart Android Studio.

Contact support

If you didn't find the answer you were looking for, you can use the feedback form to submit your question. Please describe the problem in as much detail as possible. Attach a screenshot if possible.

Enabling the AppMetrica SDK

Before using the plugin, install it in Android Studio by following the [instructions](#).

Step 1. Open the dialog box for enabling the AppMetrica SDK

In the main menu, choose **Tools** → **AppMetrica** → **Integrate**.

Note:

1. If your project doesn't have any Android apps, the **AppMetrica** menu is inactive.
2. For the **AppMetrica** menu to be active, your project must be synchronized.

Step 2. (Optional) Choose the app to enable the AppMetrica SDK for.

Note: If there is only one Android app in your project, you won't be able to choose an app. Just skip this step.

If your project has several Android apps, choose the one to enable the AppMetrica SDK for.

If you want to enable the AppMetrica SDK for multiple apps, repeat these steps for each one.

Step 3. Specify the app's API key

Open the app settings in the [AppMetrica web interface](#) and copy the value from the API key (for SDK) field.

Step 4. (Optional) Enable or disable additional SDK settings

Available settings:

First activation as update

If your app already has users, AppMetrica will count them as new users by default. To avoid counting the current audience as new, turn on the `firstActivationAsUpdate` flag and specify under which conditions users will be counted as old.

For more information, see [Tracking new users](#).

Location tracking

With this setting, AppMetrica will automatically detect the device location and send this information to reports and the Logs API.

For more information, see [Determining the location on Android](#).

Logs

Enables logging the activity of the AppMetrica library. We don't recommend enabling this flag for the test version of the app.

Statistic sending

Enables/disables sending statistics to the AppMetrica server. For example, if the user's consent is required to send statistical data.

To enable sending statistics later, use the `YandexMetrica.setStatisticsSending(Context context, boolean enabled)` method.

For more information, see [Disabling and enabling sending statistics](#).

Step 5. (Optional) Copy the configured events for AppsFlyer

Note: If AppsFlyer is not enabled in your app, the option isn't shown. Just skip this step.

If your project has event tracking configured for the AppsFlyer service, you can create similar events for AppMetrica. To do this, turn on **Copy events from AppsFlyer**.

Note: When adding new events for AppsFlyer, use [Copying events from AppsFlyer](#) to send new events to AppMetrica.

Step 6. Enable the AppMetrica SDK

Click **Ok**.

As a result of the plugin's operation, the gradle dependency on the AppMetrica SDK and its activation will be added to the application code. Also, if you turned on the **Copy events from AppsFlyer** option, a method for sending events to AppMetrica will be added next to each event sending method to AppsFlyer.

Step 7. (Optional) Add the code to identify new users

If you enabled the **First activation as update** option (your application already has users), then the `isFirstActivationAsUpdate` method will be added in your class inherited from `Application`.

For more information, see [Tracking new users](#).

Step 8. Test AppMetrica

To test how the library works:

1. Start the app with the AppMetrica SDK and use it for a while.
2. Make sure your device is connected to the internet.

In the AppMetrica interface, make sure that:

1. There is a new user in the **Audience** report.
2. The number of sessions in the **Engagement** → **Sessions** report has increased.
3. There are events and profile attributes in the **Events** and **Profiles** reports.

Contact support

If you didn't find the answer you were looking for, you can use the feedback form to submit your question. Please describe the problem in as much detail as possible. Attach a screenshot if possible.

Copying events from AppsFlyer

Before using the plugin, install it in Android Studio by following the [instructions](#).

To copy events, you need to [enable AppMetrica](#).

Step 1. Open the dialog box for copying events from AppsFlyer

In the main menu, choose **Tools** → **AppMetrica** → **Copy Events from AppsFlyer**.

Note:

1. If your project doesn't have an Android application with AppMetrica and AppsFlyer enabled, then the **Copy Events from AppsFlyer** button isn't displayed.
2. For the **AppMetrica** menu to be active, your project must be synchronized.

Step 2. Choose the app where you want to copy the events

From the drop-down list, choose the app that should send the same events to AppsFlyer and AppMetrica.

Note: If there is only one Android app in the project with AppMetrica and AppsFlyer enabled, the drop-down list will be inactive and show only this app.

Step 3. Copy the events

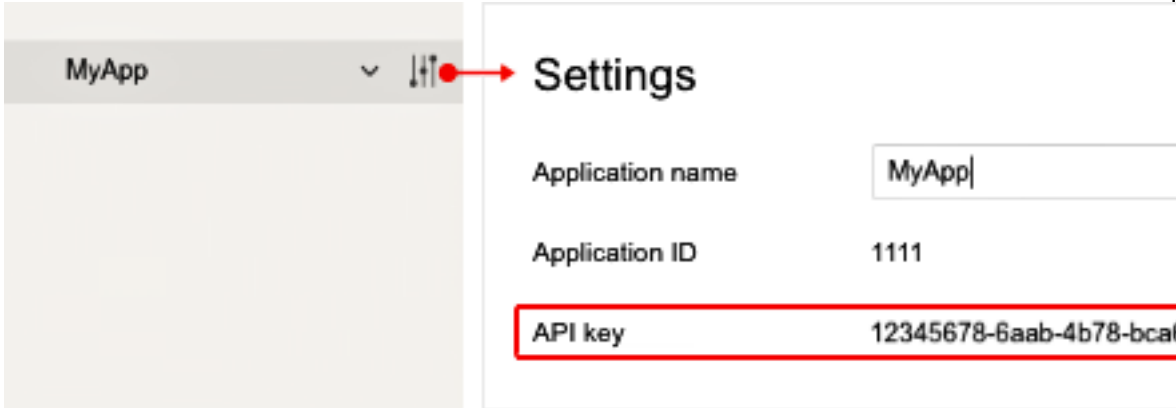
Click **Ok**.


The plugin adds a method for sending events to AppMetrica next to each method for sending events to AppsFlyer.

Contact support

If you didn't find the answer you were looking for, you can use the feedback form to submit your question. Please describe the problem in as much detail as possible. Attach a screenshot if possible.

Source

common	<p>What is the API key?</p> <p>The <i>API key</i> is a unique application identifier that is issued in the AppMetrica web interface during app registration. Make sure you have entered it correctly.</p>  <p>Note: If the OrderID is not specified, AppMetrica generates the ID automatically.</p> <p>⚠ Attention: AppMetrica doesn't display predefined attributes in the web interface if Profield sending isn't configured.</p> <p>AppMetrica doesn't let you segment Revenue into "test" and "not test". If you use the main API key for debugging purchases, the test purchases are included in general statistics. If you need to debug sending Revenue, use a reporter to send statistics to an additional API key. In AppMetrica, it is not possible to segment E-commerce events into "test" and "not test". If you use the main API key for debugging purchases, the test events are included in general statistics. If you need to debug sending E-commerce events, use a reporter to send statistics to an additional API key.</p>
iOS (common)	<p>For more information about sessions, see Tracking user activity.</p>
iOS (Objc)	<p>Note: The session duration depends on specified timeout. If the time interval between pausing and resuming the session is less than the specified timeout, the current session will be resumed; otherwise, a new one will be created.</p> <p>For more information about sessions, see Tracking user activity.</p>

iOS (Swift)	<p>Note: The session duration depends on specified timeout. If the time interval between pausing and resuming the session is less than the specified timeout, the current session will be resumed; otherwise, a new one will be created.</p> <p>For more information about sessions, see Tracking user activity.</p>
	<p> Attention: We discontinued the development of new versions of the AppMetrica Windows SDK.</p>

An advertising ID is a unique Google Play service identifier for displaying ads to users who agree to see personalized ads. The user can disable the personalization of ads or reset the ID in settings. In this case, advertising networks won't be able to use it to select relevant ads. The accuracy of traffic attribution will also decrease significantly.

AppMetrica doesn't let you segment Ad Revenue into "test" and "not test". If you use the main API key for debugging the collection of data on advertising monetization, the test events are included in general statistics. If you need to debug sending Ad Revenue, use a reporter to send statistics to an additional API key.

Specify the app parameters: link in the app store (if the app hasn't been published yet, leave the field empty), name, category, and time zone for generating reports.

To add another app, click [Add app](#) in the drop-down list in the AppMetrica interface.

1. Make in-app test purchases.
2. Make sure that the [Revenue](#) report shows the same number of purchases and total revenue as the sent ones.

Information in the report may be missing if:

- Validation is enabled and the purchase failed.
- Information about the purchase was not sent.

3. If there is no data in the report, export all purchases using the [Logs API](#) resource:

```
curl -X GET \
  'https://api.appmetrica.yandex.ru/logs/v1/export/revenue_events.json?
  application_id=1111&date_since=2018-10-10&date_until=2018-10-11&fields=revenue_order_id,revenue_quantity,revenue_price,revenue
  ' \
  -H 'Authorization: OAuth oauth_token'
```

If there are events in the export and the `is_revenue_verified` field is set to false, the purchases weren't validated.

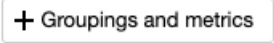
Contact support

If you didn't find the answer you were looking for, you can use the feedback form to submit your question. Please describe the problem in as much detail as possible. Attach a screenshot if possible.

Dimensions and metrics

The report contains metrics grouped into groupings.

To set up groupings and metrics:

1. Click the  button.
2. In the window that opens, add the groupings and metrics to base the report on.
3. Configure the order of metrics and groupings.

The order of metrics determines the order of columns, the order of groupings determines the nesting of rows in the table.

* The service is banned in Russia.

Configuring a chart with a choice of metrics

The report contains a visual chart with a choice of metrics. You can select no more than three metrics at a time. The selected metrics must have the same units. If a metric is not available in the list (its name is written in gray), it means that it has a different unit.

Groupings

Audience

- **Operating system.**
- **OS version.**
- **Gender.** Determined heuristically using Crypta technology. If the prediction accuracy is insufficient, it takes the Undefined value.
- **Age.** Determined heuristically using Crypta technology. Possible values: <18 | 18-24 | 25-34 | 35-44 | 45-54 | ≥55. If the prediction accuracy is insufficient, it is Undefined.

Geography

- **Continent.**
- **Country.**
- **District.**
- **Region.**
- **City.**
- **City size.**

Event

- **Event.** Event name.
- **All parameters, nesting levels 1-5** Outputs all passed event parameters corresponding to the [nesting levels](#).
- **Parameter.** Lets you select a specific parameter. You can select a dimension several times with different parameters.

Restriction:

Only nesting level 1 parameters are available.

Event parameters

- **All parameters, nesting levels 1-5** Outputs all passed event parameters corresponding to the [nesting levels](#).
- **Parameter.** Lets you select a specific parameter. You can select a dimension several times with different parameters.

Event date

- **Month.**
- **Week.**
- **Day.**

Application

- **Version.**
- **Build number.**

Total Revenue

- **Revenue Type.** Possible values: **Purchases:** In-app purchases. **Ad Revenue:** Revenue from advertising monetization.

In-App Revenue

- **Product.** In-app product ID.
- **Currency.** The currency in which the purchase was made.
- **Order ID.**

Ad Revenue

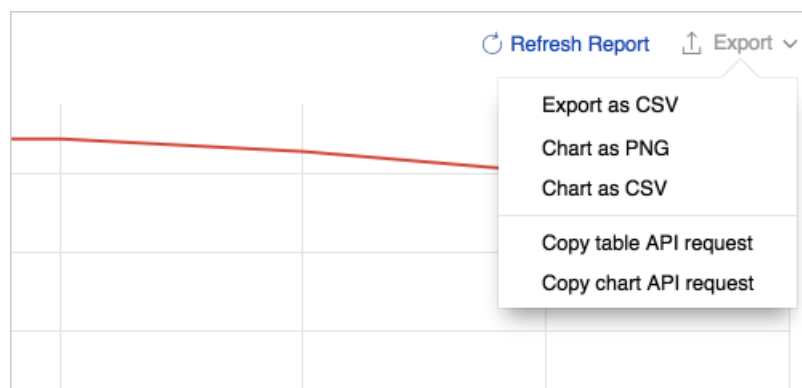
- **Ad Type.**
- **Ad Network.**

- **Ad Unit ID.**
- **Ad Unit name.**
- **Ad Placement ID.**
- **Ad Placement name.**
- **Ad Precision.**

Data export

You can export data by choosing an item from the **Export** dropdown list above the chart. The data is exported based on the selected report settings: segmentation, grouping, and time period.

The dropdown list contains the following elements:



- **Export as CSV** — Exports the data from the table in the CSV format.
- **Chart as PNG** — Exports the chart image in the PNG format.
- **Chart as CSV** — Exports the data from the chart in the CSV format.
- **Copy table API request** — Displays the query text for exporting data from the table using the [Reporting API](#). You can use this query to build your own dashboard or create automated data export scripts.

Note: If you are getting the text of the query for the first time, make sure that the browser doesn't block the pop-up authorization window. In the authorization window, allow AppMetrica to access the data.

- **Copy chart API request** — Displays the query text for exporting data from the chart using the [Reporting API](#). You can use this query to build your own dashboard or create automated data export scripts.

Note: If you are getting the text of the query for the first time, make sure that the browser doesn't block the pop-up authorization window. In the authorization window, allow AppMetrica to access the data.

Popups

1. Open your folder in Yandex.Cloud.
2. Go to the **Service accounts** page by using the menu on the left.
3. Click on the service account you created, for example, **appmetrica**.
4. In the **Overview** section, copy the **ID** value.

Обзор

Идентификатор..... **ajej2tqk...**

Имя сервисного аккаунта..... appmetrica

Дата создания..... 02 марта 2020, в 17:08

Роли в каталоге..... **editor**

Авторизованные ключи

Идентификатор	Описание	Алгоритм шифрования	Дата создания	
ajedbn8...	—	RSA_2048	02 марта 2020, в 17:17	...

1.

1. Open your folder in Yandex.Cloud.
2. Go to the **Service accounts** page by using the menu on the left.
3. Click on the service account you created, for example, **appmetrica**.
4. In the **Authorized keys** section, copy the **ID** value.

Обзор

Идентификатор..... **ajej2tqk...**

Имя сервисного аккаунта..... appmetrica

Дата создания..... 02 марта 2020, в 17:08

Роли в каталоге..... **editor**

Авторизованные ключи

Идентификатор	Описание	Алгоритм шифрования	Дата создания	
ajedbn8...	—	RSA_2048	02 марта 2020, в 17:17	...

1.

1. Open the Yandex Cloud console.
2. Copy the ID of your folder.

 **cloud** blngslo...

 **default** **blg7jjk...**

1.