

Android mOcean SDK Developer Guide

For Android SDK Version 2.x

Table of Contents

Overview	3
System requirements:	3
SDK contents:	3
Installation instructions:.....	3
SDK API reference:	5
Global functions:	5
MASTAdServerView arguments	Ошибка! Закладка не определена.
Sample usage	8

Overview

This document provides a description of the following:

- System requirements
- Installation Instructions
- SDK contents
- SDK API reference
- Sample of usage

System requirements:

- Android SDK (version 1.5 or later)
- Eclipse 3 or later
- 10 Mb free disk space

SDK contents:

Documentation - SDK documentation

Lib - SDK library files

Sample - sample usage/test app

Installation instructions:

Installing Android SDK

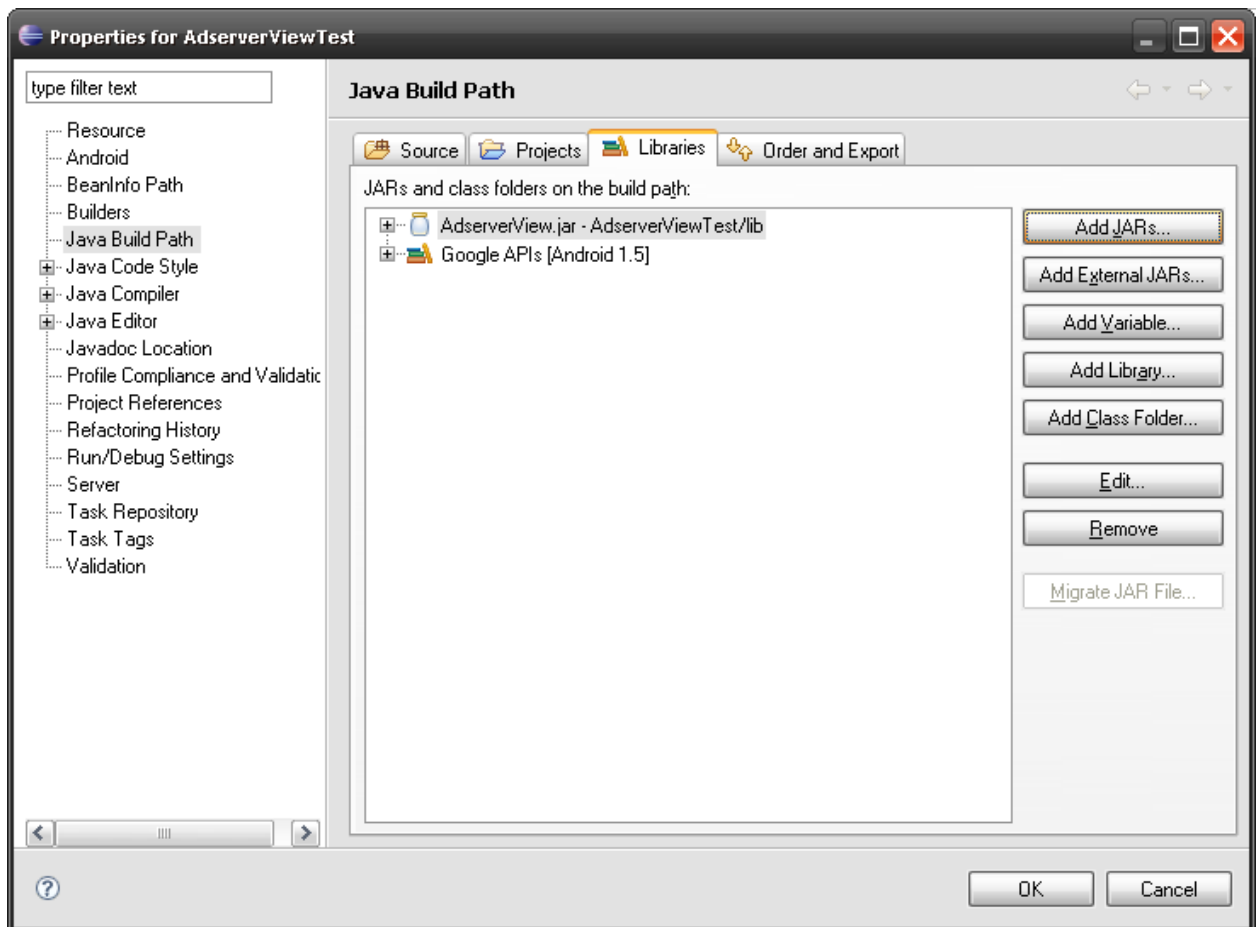
Download and install Android SDK (<http://developer.android.com/sdk/index.html>).

Follow installation instructions provided by Android SDK. Once SDK has been installed follow to the next step to install Android mOcean SDK.

Installing Android mOcean SDK

The SDK has been developed as a jar library. To add the library to a project, the developer must configure the project properties to indicate the location of library file, as well as the names of library dependencies.

First, select Project -> Properties and add the library to the dialog under Java Build Path -> Libraries. Click "Add JARs..." (or "Add External JARs...") and select Android mOcean SDK:



After installing the library, open the provided test project, AdserverViewTest (AdserverView\test), and attempt to build the project. If unable to compile, please review the Eclipse documentation on configuring library file paths to ensure changes were properly made. If unable to execute, you may be experiencing library version issues. Please refer to the developer forums for more information.

Add "minSdkVersion" parameter in project manifest file (AndroidManifest.xml)

Example: `<uses-sdk android:minSdkVersion="3" />`

To set the security permissions in your manifest file (AndroidManifest.xml)

```
<uses-permission android:name="android.permission.INTERNET"></uses-permission>
    <uses-permission
android:name="android.permission.ACCESS_NETWORK_STATE"></uses-permission>
    <uses-permission
android:name="android.permission.ACCESS_FINE_LOCATION"></uses-permission>
    <uses-permission
android:name="android.permission.READ_PHONE_STATE"></uses-permission>
    <uses-permission android:name="android.permission.READ_CALENDAR"></uses-permission>
    <uses-permission
android:name="android.permission.WRITE_CALENDAR"></uses-permission>
    <uses-permission android:name="android.permission.CALL_PHONE"></uses-permission>
```

```

        <uses-permission android:name="android.permission.SEND_SMS"></uses-
permission>
        <uses-permission android:name="android.permission.CAMERA"></uses-
permission>
        <uses-permission
android:name="android.permission.WRITE_EXTERNAL_STORAGE"></uses-permission>
        <uses-permission android:name="android.permission.WAKE_LOCK" />
Add the following in the <application> section, replacing <YOUR_APPLICATION_PACKAGE> with a
package identifier that is unique to your application. This Content Provider manages local storage of ad
content, while the Activity manages ad display.
<provider android:name="com.greystripe.android.sdk.AdContentProvider"

        android:authorities="<YOUR_APPLICATION_PACKAGE>.AdContentProvider"
                android:multiprocess="true"
                android:exported="false"

        />
<service android:name="com.medialets.advertising.AdManagerService"
/>

        <activity android:name="com.greystripe.android.sdk.AdView"
                android:configChanges="keyboard|keyboardHidden|orientation"
        >

                <intent-filter>
                        <category android:name="android.intent.category.LAUNCHER" />
                </intent-filter>
        </activity>
        <activity android:name="com.admob.android.ads.AdMobActivity"
                android:theme="@android:style/Theme.NoTitleBar.Fullscreen"
                android:configChanges="orientation|keyboard|keyboardHidden"
                />
        <activity
android:name="com.millennialmedia.android.MMAdViewOverlayActivity"

android:theme="@android:style/Theme.Translucent.NoTitleBar">
                </activity>
                <activity android:name="com.millennialmedia.android.VideoPlayer"

android:theme="@android:style/Theme.NoTitleBar.Fullscreen"

android:configChanges="keyboardHidden|orientation|keyboard" >
                </activity>

```

It is necessary to add following parameters

```

        <string name="app_id">764f0842b9025416f78b6b99891cb70302bd8c50</string>
        <string name="use_test_servers">true</string>
to strings.xml.

```

SDK API reference:

Global functions:

AdLog.setDefaultLogLevel(int logLevel)

AdLog.LOG_LEVEL_NONE	none
AdLog.LOG_LEVEL_1	only errors
AdLog.LOG_LEVEL_2	+warning

AdLog.LOG_LEVEL_3 +server traffic
AdLog.setFileLog(String fileName) file to output

MASTAdServerView(Context context, java.lang.String site, java.lang.String zone)
 Creation of viewer of advertising.

AdServerInterstitialView(Context context, java.lang.String site, java.lang.String zone)
 Creation of interstitial viewer of advertising.

void **show**()
 Show Interstitial advertising.

void SetLogLevel(int logLevel).

All settings can be set by means of methods get and set (for example: `getCity()` and `setCity(String city)`).

java.lang.String	<code>getAdserverURL()</code>
Optional.	
java.lang.String	<code>getAdvertiserId()</code>
Optional.	
java.lang.String	<code>getArea()</code>
Optional.	
java.lang.String	<code>getBackgroundColor()</code>
Optional.	
java.lang.String	<code>getCarrier()</code>
Optional.	
java.lang.String	<code>getCity()</code>
Optional.	
java.lang.String	<code>getCountry()</code>
Optional.	
java.util.Hashtable<java.lang.String,java.lang.String>	<code>getCustomParameters()</code>
Optional.	
java.lang.Integer	<code>getDefaultImage()</code>
Optional.	
java.lang.String	<code>getGroupCode()</code>
Optional.	
boolean	<code>getInternalBrowser()</code>
	Get the flag which operates advertising opening.
java.lang.String	<code>getKeywords()</code>
Optional.	
java.lang.String	<code>getLatitude()</code>
Optional.	
java.lang.String	<code>getLongitude()</code>
Optional.	
java.lang.Integer	<code>getMaxSizeX()</code>
Optional.	
java.lang.Integer	<code>getMaxSizeY()</code>
Optional.	

```

java.lang.String      getMetro()
    Optional.
java.lang.Integer     getMinSizeX()
    Optional.
java.lang.Integer     getMinSizeY()
    Optional.
AdServerViewCore.OnAdClickListener getOnAdClickListener()
    Get interface for advertising opening.
AdServerViewCore.OnAdDownload  getOnAdDownload()
    Get interface for advertising downloading.
java.lang.Integer      getPremium()
    Optional.
java.lang.String       getRegion()
    Optional.
java.lang.String       getSite()
    Get the id of the publisher site.
java.lang.String       getState()

java.lang.Boolean      getTest()
    Optional.
java.lang.String       getTextColor()
    Optional.
java.lang.Integer      getUpdateTime()
    Optional.
java.lang.String       getZip()
    Optional.
java.lang.String       getZone()
    Get the id of the zone of publisher site.
void  setAdserverURL(java.lang.String adserverURL)
    Optional.
void  setAdvertiserId(java.lang.String advertiserId)
    Optional.
void  setArea(java.lang.String area)
    Optional.
void  setBackgroundColor(java.lang.String backgroundColor)
    Optional.
void  setCarrier(java.lang.String carrier)
    Optional.
void  setCity(java.lang.String city)
    Optional.
void  setCountry(java.lang.String country)
    Optional.
void  setCustomParameters(java.util.Hashtable<java.lang.String,java.lang.String> customParameters)
    Optional.
void  setDefaultImage(java.lang.Integer defaultImage)
    Optional.
void  setGroupCode(java.lang.String groupCode)
    Optional.

```

`void setInternalBrowser(boolean internalBrowser)`
Set the flag which operates advertising opening.

`void setKeywords(java.lang.String keywords)`
Optional.

`void setLatitude(java.lang.String latitude)`
Optional.

`void setLongitude(java.lang.String longitude)`
Optional.

`void setMaxSizeX(java.lang.Integer maxSizeX)`
Optional.

`void setMaxSizeY(java.lang.Integer maxSizeY)`
Optional.

`void setMetro(java.lang.String metro)`
Optional.

`void setMinSizeX(java.lang.Integer minSizeX)`
Optional.

`void setMinSizeY(java.lang.Integer minSizeY)`
Optional.

`void setOnAdClickListener(AdServerViewCore.OnAdClickListener adClickListener)`
Set interface for advertising opening.

`void setOnAdDownload(AdServerViewCore.OnAdDownload adDownload)`
Set interface for advertising downloading.

`void setPremium(java.lang.Integer premium)`
Optional.

`void setRegion(java.lang.String region)`
Optional.

`void setSite(java.lang.String site)`
Required.

`void setTest(java.lang.Boolean enabled)`
Optional.

`void setTextColor(java.lang.String textColor)`
Optional.

`void setUpdateTime(java.lang.Integer updateTime)`
Optional.

`void setZip(java.lang.String zip)`
Optional.

`void setZone(java.lang.String zone)`
Required.

`void update()`
Immediately update banner contents.

Sample usage

See `AdserverViewTest (AdserverView\test)` in SDK contents.

To create viewer of advertising and to add it to the form.
Is possible two variants of creation and object placing:

1. Dynamic creation, is created in a form **class**.

For example:

```
MASTAdServerView adserverView = new MASTAdServerView(this, "5441", "9312");
adserverView.setLayoutParams(new ViewGroup.LayoutParams(ViewGroup.LayoutParams.FILL_PARENT,
250));
adserverView.setTest(false);
adserverView.setPremium(MASTAdServerView.PREMIUM_STATUS_PREMIUM);
adserverView.setKeywords("test");
adserverView.setMinSizeX(200);
adserverView.setMinSizeY(40);
adserverView.setMaxSizeX(320);
adserverView.setMaxSizeY(50);
adserverView.setBackgroundColor("33CCFF");
adserverView.setTextColor("11CC22");
adserverView.setInternalBrowser(false);
linearLayout.addView(adserverView);
```

2. Template creation, is created in XML a template.

For example:

```
<com.adserver.adview.MASTAdServerView
    android:id="@+id/adViewer1"
    android:layout_width="fill_parent"
    android:layout_height="50dip"
    site="5441"
    zone="6365"
    isTestModeEnabled="false"
    defaultImage="@drawable/test_banner"
/>
```

To show Viewer of interstitial advertising.

```
AdServerInterstitialView interstitialView = new AdServerInterstitialView(context, "6235", "9312");
interstitialView.setShowCloseButtonTime(3);
interstitialView.setAutoCloseInterstitialTime(20);
interstitialView.show();
```

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