

·datatrans.

Advanced Payment Solutions

Datatrans Payment Library for Android

Release Notes

Version 4.3.4

Datatrans AG

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Version 4.3.4

Released on 2021-01-13

- Improve stability of external web process

Version 4.3.3

Released on 2020-12-08

- TWINT alias request returns correct transaction Id

Version 4.3.2

Released on 2020-11-27

- Use refno from backend JSON API flow for alias requests

Version 4.3.1

Released on 2020-11-25

- Adapting to backend API change

Version 4.3.0

Released on 2020-11-03

- Support PostFinance app switch

Version 4.2.2

Released on 2020-10-27

- Window leak crash fix

Version 4.2.1

Released on 2020-10-09

- Added merchant properties on all TWINT calls

Version 4.2.0

Released on 2020-09-21

- Paysafecard payment method added
- WebView retry fix
- TWINT manifest adaption

Version 4.1.1

Released on 2020-08-21

- API 30 compatibility release
- Support createConfigurationContext

Version 4.1.0

Released on 2020-07-28

- Coop Supercard payment method added

Version 4.0.1

Released on 2020-07-09

- Bugfixes

Version 4.0.0

Released on 2020-07-01

- Support for new backend JSON API flow
- Java packages simplification

IMPORTANT changes for library classes imports:

- Remove the android package from library imports, for example replace:

```
import ch.datatrans.payment.android.PaymentProcessAndroid;
```

with:

```
import ch.datatrans.payment.PaymentProcessAndroid;
```

Version 3.5.3

Released on 2020-02-25

- Workaround of Android 5 WebView bug

Version 3.5.2

Released on 2019-12-12

- Improved activity lifecycle handling

Version 3.5.1

Released on 2019-11-04

- Removed customer option requirement for alias payment

Version 3.5.0

Released on 2019-08-13

- 3D secure support when requesting alias
- Always verify created alias for credit cards. Please contact the Datatrans support if it is unclear what the consequences are for future alias requests.

IMPORTANT changes for credit card alias requests:

- Replace your alias request initialization:

```
AliasRequest ar = new AliasRequest(merchantId, currencyCode,  
                                creditCard, isVerifyingTransaction);
```

with:

```
AliasRequest ar = new AliasRequest(merchantId, currencyCode, creditCard);
```

Version 3.4.0

Released on 2019-07-25

- Added SwissPass alias support
- Added POWERPAY payment and alias support

Version 3.3.0

Released on 2019-07-02

- SwissPass payment method added
- Refactored Address & Customer objects
- Added (de-)serialization of recurring payment methods to/from JSON string. Refer to section 3.4.1 in the Developer's Manual for more details.
- Bugfixes

IMPORTANT changes

SwissBilling:

- The customer info in the SwissBillingPaymentInfo has been moved to a customer object in the PaymentOptions. See the Javadoc in the SwissBillingPaymentInfo class for additional information.

Byjuno:

- The Address & Customer object have been refactored and moved to a customer object in the PaymentOptions. Furthermore, the deviceFingerprintId of the ByjunoPaymentInfo has been made optional. See the Javadoc in the ByjunoPaymentInfo class for additional information.

Version 3.2.0

Released on 2019-04-09

- Detailed error codes (acquirer error code now accessible on BusinessException)
- Switched to AAR packaging
- Uniform handling of merchant properties (now also available in hidden-mode)
- Samsung Pay test/production service IDs

IMPORTANT changes

Integration:

- The library is from now on distributed as an AAR file. Check the Developer Guide on how to integrate the new version. Note that for **PayPal** and **Google Pay**, you must move the dependencies from the DatatransPaymentAndroid's to your build.gradle file.

Merchant Properties:

- The merchant properties have been moved to the PaymentOptions. Remove them from the Payment and AliasRequest constructors and add them like this:

```
paymentProcessAndroid.getPaymentOptions()  
    .getMerchantProperties().putAll(merchantProperties);
```

Samsung Pay:

- The SamsungPayAvailabilityChecker needs to know if the system is test or production. Use this constructor:

```
public SamsungPayAvailabilityChecker(Context context,  
    SamsungPayConfig config, boolean isTestingEnabled)
```

Version 3.1.3

Released on 2019-02-22

- TWINT reqtype fix

Version 3.1.2

Released on 2019-02-15

- Under-the-hood improvements
- Payment process doc updated

Version 3.1.1

Released on 2019-01-28

- TWINT merchant properties nullable
- Samsung Pay now without service id

Version 3.1.0

Released on 2018-12-06

- Support deferred authorization for Google Pay
- Return selected payment method (getPaymentMethodType on PaymentProcessAndroid)
- Bugfixes

Version 3.0.0

Released on 2018-09-14

- Google Pay payment method added
- Samsung Pay supported card networks type changed
- Renamed PayPal external relay activity & changed theme

IMPORTANT changes for PayPal payments:

- The ExternalWebProcessRelayActivity was renamed to ExternalProcessRelayActivity and theme was changed. Replace in your manifest:

```
<activity
    android:name="ch.datatrans.payment.android.ExternalWebProcessRelayActivity"
    android:launchMode="singleTask">
```

with:

```
<activity
    android:name="ch.datatrans.payment.android.ExternalProcessRelayActivity"
    android:launchMode="singleTask"
    android:theme="@android:style/Theme.Translucent.NoTitleBar">
```

Version 2.9.0

Released on 2018-08-30

- Samsung Pay payment method added
- Byjuno direct invoice payment method added
- Library invocation changed for standard mode

IMPORTANT changes for library invocation via standard mode:

- Payment process constructors without payment methods are deprecated. Please use the constructors with explicitly stated payment method(s), e.g.:

```
public PaymentProcessAndroid(DisplayContext context, Payment payment,
    Collection<PaymentMethod> paymentMethods);

public AliasRequest(String merchantId, String currencyCode,
    Collection<PaymentMethod> paymentMethods);
```

Samsung Pay and Byjuno cannot be used with the deprecated constructors.

Version 2.8.5

Released on 2018-08-14

- PaymentMethodSwissBilling replaced by option setSwissBillingPaymentInfo

IMPORTANT changes for SwissBilling payments:

- Use option to configure SwissBilling payments. Replace:

```
PaymentMethodSwissBilling pm =
    new PaymentMethodSwissBilling(customerAddress, customerPhone,
        customerEmail, customerBirthdate);
```

with:

```
paymentProcessAndroid.getPaymentOptions()
    .setSwissBillingPaymentInfo(mySwissBillingInfo);
PaymentMethod pm = new PaymentMethod(PaymentMethodType.SWISSBILLING);
```

See Javadoc for an example of SwissBillingPaymentInfo.

Version 2.8.4

Released on 2018-07-18

- Reka Rail & Reka Lunch support

Version 2.8.3

Released on 2018-07-10

- Bugfix credit card autofill

Version 2.8.2

Released on 2018-05-18

- Improved parameter decoding

Version 2.8.1

Released on 2018-05-03

- Added UATP payment method
- Return transaction ID for hidden mode alias requests

Version 2.8.0

Released on 2018-04-25

- Added PostFinance Card expiry
- Diners Club CVV Fix

Version 2.7.0

Released on 2018-03-15

- Enhanced PayPal security
- TWINT protocol changes
- Fixed connection issues with servers using SNI

IMPORTANT changes for PayPal payments:

- You need to define a callback activity. Add this to your app manifest:

```
<activity
  android:name="ch.datatrans.payment.android.ExternalWebProcessRelayActivity"
  android:launchMode="singleTask">
  <intent-filter>
    <action android:name="android.intent.action.VIEW" />

    <category android:name="android.intent.category.DEFAULT" />
    <category android:name="android.intent.category.BROWSABLE" />

    <data android:scheme="your.package.name.dtp1" />
  </intent-filter>
</activity>
```

- Add a dependency to the custom tabs library in the build.gradle file of the DatatransPaymentAndroid project.

```
compile 'com.android.support:customtabs:27.0.2'
```

Version 2.6.0

Released on 2018-01-31

- Enforcing TLS 1.2 (or bigger) on every connection
- Important: API levels 16-18 support only alias or hidden mode payments (and only without 3-D Secure)
- minSdk is now API level 16

Version 2.5.0

Released on 2017-09-29

- TWINT alias support added (TWINT User on File)

Version 2.4.0

Released on 2017-08-25

- TWINT payments supported again

Version 2.3.0

Released on 2017-07-07

- Reka payment method added
- Merchant properties always sent to post URL

Version 2.2.2

Released on 2017-03-24

- Payment with amount = 0 no longer supported
- Bugfixes

Version 2.2.1

Released on 2017-01-09

- Discover cards added
- Payment method added to BusinessException (see JavaDoc)

Version 2.2.0

Released on 2016-11-16

- TWINT fix
- Switch to backup URL after network error
- Added currency to alias request

IMPORTANT API changes (alias / recurring payments):

- AliasRequest initializers have changed. There is now an additional parameter for the currency code that is used in the alias generation.

Instead of:


```
ar = new AliasRequest(merchantId, ...);
```

Now use:

```
ar = new AliasRequest(merchantId, currencyCode, ...);
```

Version 2.1.2

Released on 2016-09-27

- Recurring payment methods returned if authorization skipped

Version 2.1.1

Released on 2016-08-19

- TWINT alias adjustments (refno, cancel request)

Version 2.1.0

Released on 2016-07-14

- TWINT alias support
- Option skipAuthorizationCompletion added

Version 2.0.1

Released on 2016-06-29

- TWINT support for new payment pages

Version 2.0.0

Released on 2015-10-29

- TWINT payment method added

Version 1.9.0

Released on 2015-10-16

- JCB cards added
- Available payment methods can now be configured, e.g.

```
Collection<PaymentMethod> methods = PaymentMethod.createMethods(  
    PaymentMethodType.MASTERCARD,  
    PaymentMethodType.JCB);  
ppa = new PaymentProcessAndroid(displayContext, payment, methods);
```

or

```
Collection<PaymentMethod> methods = PaymentMethod.createMethods(  
    PaymentMethodType.VISA,  
    PaymentMethodType.AMEX);  
AliasRequest ar = new AliasRequest(merchantId, methods, null);
```

Previous single/all payment method constructors are also still available.

- Better Easy pay info support (alias & library-selected payments)

- Bugfixes

Version 1.8.0

Released on 2015-07-17

- SwissBilling payment method added

Version 1.7.2

Released on 2015-04-16

- Language issue fixed

Version 1.7.1

Released on 2015-04-02

- Support for ELV aliases with bankrouting parameter (ELV aliases created before April 15, 2015)

Version 1.7.0

Released on 2015-03-16

- Easypay alias support
- Lastschrift (ELV) added
- Credit card type (e.g. Mastercard) can now be preselected for payment/alias request without using complete hidden mode. Use PaymentMethod(credit card type) constructor for this.
- Embedded mode (view group) now supported by all request types

Note that this release is not API-compatible with earlier versions. This affects all developers!

API changes:

- A DisplayContext object needs to be created with either an activity / app context (for full-screen dialog) or a view group (for embedded mode).

Instead of:

```
ppa = new PaymentProcessAndroid(new ResourceProvider(), context, ...);
```

Now use:

```
DisplayContext dc = new DisplayContext(new ResourceProvider(), context);  
ppa = new PaymentProcessAndroid(dc, ...);
```

Or:

```
DisplayContext dc= new DisplayContext(new ResourceProvider(), viewGroup);  
ppa = new PaymentProcessAndroid(dc, ...);
```

Version 1.6.2

Released on 2015-01-09

- Android 5.0 / level 21 fixes

Version 1.6.1

Released on 2014-11-27

- PostFinance Card registration support (standard mode alias request)
- Optional merchant properties in standard mode alias request
- Error code fix

Version 1.6.0

Released on 2014-09-12

- Hidden mode alias generation (verified / unverified)

Version 1.5.2

Released on 2014-08-13

- Swisscom Easypay added

Version 1.5.1

Released on 2014-07-03

- Certificate pinning option

Version 1.5

Released on 2014-04-17

- Alias generation in standard mode
- PayPal, PostFinance Card alias support
- displayShippingDetails option for PayPal alias generation

Version 1.4

Released on 2014-02-13

- Auto-settlement, CC validation only, PayPal options
- Android 4.4 / level 19 fixes

Version 1.3

Released on 2013-10-29

- Manor MyOne added
- Better handling of cancellation while app is being destroyed and process is IN_COMPLETION

Version 1.2

Released on 2013-01-15

- PayPal WebView fix
- Cancellation possible from activity's onDestroy() method
- Android 4 (ICS) fix

Version 1.1

Released on 2011-12-15

- PostFinance payment methods added
- CVV bugfix
- Dutch translation added
- Additional network parameters
- DTiPL translation changes applied

Version 1.0

Released on 2011-02-15

- Initial release