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Advanced Payment Solutions

Datatrans iOS Payment Library

Release Notes
Version 4.6.7

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Version 4.6.7
Released on 2022-01-05

- Support Simulator on Apple Silicon Macs

In addition to libdtipl.a, there is now libdtipl-iphonesimulator.a. It contains Simulator slices for Apple and Intel processors. Since libdtipl.a still contains its Intel Simulator slice, no change is required if you only use Simulator on a Mac with an Intel processor.

Please refer to the Developer's Manual on how to prepare your app to run in Simulator on an Apple Silicon Mac.

Version 4.6.6
Released on 2021-12-22

- Updated Visa logo

- Bugfix for "Property finalSummaryItemLabel lost when copying DTApplePayConfig"

Version 4.6.5
Released on 2021-11-30

- When there is a recoverable error and no library UI for the user to continue from, the library notifies the app via paymentController:didFailWithError:. This now also works for the case where TWINT or PayPal is the only payment method.

- The JSON API flow no longer overwrites the app callback scheme with information from the backend. If you use the JSON API flow, please make sure that you set the app callback scheme as documented in the Developer's Manual.

Version 4.6.4
Released on 2021-08-13

- Expose acquirerAuthorizationCode in DTBusinessError

- Bugfix for "The new API flow discards the uppCustomer* fields when Byjuno is disabled"

Version 4.6.3
Released on 2021-08-03

- Support sending customData when paying with a Byjuno alias

- Improvements for VoiceOver

- Bugfix for "Expiry date field not updated when scanning a card"

Version 4.6.2
Released on 2021-06-14

- Send expiration date in card alias request

Version 4.6.1

Released on 2021-05-21

- Renamed Monthly invoice to Invoice

Version 4.6.0

Released on 2021-04-06

- Added Byjuno alias support

- Added additional response parameters to 3D secure business exception

Version 4.5.0

Released on 2021-03-10

- Boncard (Lunch-Check) payment method added

- Bugfix for "-[DTWebProcessViewController respondsToSelector:]: message sent to deallocated instance"

Version 4.4.6

Released on 2021-02-08

- Bugfixes for TWINT and PayPal

Version 4.4.5

Released on 2021-01-22

- Bugfix for 3D secure alias payment. It could not always be presented on iOS 13+.

Version 4.4.4

Released on 2020-12-08

- TWINT alias request returns correct transaction Id

Version 4.4.3

Released on 2020-11-27

- Use refno from backend JSON API flow for alias requests

Version 4.4.2

Released on 2020-11-25

- Adapting to backend API change

Version 4.4.1

Released on 2020-11-13

- Updated Apple Pay logo

Version 4.4.0
Released on 2020-11-03

- Support PostFinance app switch

Version 4.3.1
Released on 2020-10-09

- Added merchant properties on all TWINT calls

Version 4.3.0
Released on 2020-09-22

- Paysafecard payment method added

Version 4.2.2
Released on 2020-08-25

- Support old Apple Pay alias objects

Version 4.2.1
Released on 2020-08-21

- Bugfixes

Version 4.2.0
Released on 2020-07-28

- Coop Supercard payment method added
- Scene support bugfixes

Version 4.1.0
Released on 2020-06-30

- Support for new backend JSON API flow

Version 4.0.3
Released on 2020-04-08

- Removed UIAlertView

Version 4.0.2
Released on 2020-03-26

- Removed UIWebView
- Supported platforms changed to iOS 11.0 or higher

NOTE: The App Store will no longer accept **new apps** using UIWebView as of April 2020 and app updates using UIWebView as of December 2020. See **https://developer.apple.com/news/?id=12232019b**

Version 4.0.1
Released on 2019-11-04

- Removed customer option requirement for alias payment

Version 4.0.0
Released on 2019-09-06

- iOS 13 SDK / Xcode 11 compatibility release
  IMPORTANT: Previous library versions work fine on iOS 13 if compiled with Xcode 10
- Added support for dark mode (only iOS 13+)
- Added web option for ELV
- Added support for ELV with address

Version 3.9.1
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:

```
DTAliasRequest* ar = [[DTAliasRequest alloc] initWithMerchantId:merchantId
                                        currencyCode:currencyCode
                                     cardPaymentMethod:card
                                    verifyingTransaction:verifying];
```

with:

```
DTAliasRequest* ar = [[DTAliasRequest alloc] initWithMerchantId:merchantId
                                        currencyCode:currencyCode
                                     cardPaymentMethod:card];
```

Version 3.9.0
Released on 2019-07-25

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

Version 3.8.0
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 3.8.3 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 section 4.3 in the Developer's Manual 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 section 4.6 in the Developer's Manual for additional information.

Version 3.7.1

Released on 2019-05-15

- Alias error message fix

Version 3.7.0

Released on 2019-04-09

- Detailed error codes (acquirer error code now accessible on DTBusinessError)
- Uniform handling of merchant properties (now also available for credit card alias request)

Version 3.6.3

Released on 2019-03-05

- Fixed reqtype in authorization

Version 3.6.2

Released on 2019-02-15

- Return alias setting/user decision sent to backend
- Updated ELV icon

Version 3.6.1

Released on 2019-02-06

- Fixed expiration date entry bug on credit card input screen
- ELV alias fix

Version 3.6.0

Released on 2018-12-06

- Support deferred authorization for Apple Pay
- Return selected payment method (paymentMethodIdentifier on DTPaymentController)
- Bugfixes

Version 3.5.2
Released on 2018-11-19

- Worked around a web view bug in iOS 12. Please update to this version if you create PostFinance aliases during payments.

NOTE: This release requires the **WebKit.framework** to be linked with your project.

Version 3.5.1
Released on 2018-10-02

- TWINT app switch fix

Version 3.5.0
Released on 2018-08-30

- Byjuno direct invoice payment method added

Version 3.4.3
Released on 2018-07-18

- Reka Rail & Reka Lunch support

Version 3.4.2
Released on 2018-06-11

- Bugfixes

Please update to the latest version if you are currently using 3.3.0 – 3.4.1

Version 3.4.1
Released on 2018-05-03

- Added UATP payment method
- Return transaction ID for alias requests ⌷ₛₑₚ⌷

Version 3.4.0
Released on 2018-04-25

- Added PostFinance Card expiry

Version 3.3.0

Released on 2018-03-14

- Supported platforms changed to iOS 9.0 or higher

- Enhanced PayPal security

- TWINT protocol changes

IMPORTANT API changes:

- A universal app callback scheme is now used: Option twintAppCallbackScheme has been renamed to appCallbackScheme.

- For PayPal you need to define an app callback scheme (documentation section 4.5)

NOTE: This is the last release supporting XCode 8. Future versions will be released for XCode 9+.

Version 3.2.0

Released on 2017-09-29

- TWINT alias support added (TWINT User on File)

- Diners Club CVV support

- iOS 11 and iPhone X fixes

- Dismiss race conditions fixed

Version 3.1.0

Released on 2017-08-25

- TWINT payments supported again

- Fixed loading indicator issue on small devices

Version 3.0.0

Released on 2017-07-27

- iOS 11 compatibility release for **XCode 8 / iOS SDK 10**

- New credit card expiry input compatible with iOS 11

- Apple Pay iOS 11 fix

- CVV help iOS 11 fix

- Scroll view handling updated for iOS 11

- finalSummaryItemLabel convenience option on DTApplePayConfig

Version 2.9.0

Released on 2017-07-07

- Reka payment method added

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- Merchant properties always sent to post URL

IMPORTANT API changes:

- Options returnsPayPalAlias, returnsEasypayAlias, returnsELVAlias etc. have been replaced by a single option returnsAlias.

- This option also controls whether credit card aliases are returned. Option returnsCreditCard is still available for additional settings. For credit card payments, option returnsCreditCard takes precedence over returnsAlias.

Version 2.8.5
Released on 2017-04-12

- Apple Pay config option is now required when paying with alias
- Added supported networks to Apple Pay config

IMPORTANT API changes:

- DTApplePayConfig initializers have changed. There is now an additional parameter for the list of supported networks (documentation section 4.4.3).

```
NSArray* supported = @[PKPaymentNetworkVisa, PKPaymentNetworkMasterCard];
[[DTApplePayConfig alloc] initWithMerchantIdentifier:merchantIdentifier
supportedNetworks:supported;
[[DTApplePayConfig alloc] initWithMerchantIdentifier:merchantIdentifier
supportedNetworks:supported countryCode:countryCode;
```

- Changed DTApplePayConfig static function hasApplePay.

was:

```
+(BOOL)hasApplePay;
```

now:

```
+(BOOL)hasApplePayWithSupportedNetworks:
                   (NSArray<PKPaymentNetwork> *)supportedNetworks;
```

Version 2.8.4
Released on 2017-03-31

- Apple Pay alias registering fix

Version 2.8.3
Released on 2017-03-24

- Apple Pay flow improvement
- Payment with amount = 0 no longer supported

Version 2.8.2
Released on 2017-01-09

- Discover cards added
- Payment method added to returned NSError (see section 3.9.2 Business Errors)

Version 2.8.1
Released on 2016-12-09

- Apple Pay method returned for future payments

Version 2.8.0
Released on 2016-11-16

- 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.

[[DTAliasRequest alloc] initWithMerchantId:merchantId **currencyCode:currencyCode** cardPaymentMethod:method verifyingTransaction:verify];

[[DTAliasRequest alloc] initWithMerchantId:merchantId **currencyCode:currencyCode** paymentMethods:paymentMethods];

Version 2.7.3
Released on 2016-09-27

- iOS 10 maintenance release
- Recurring payment methods returned if authorization skipped

Version 2.7.2
Released on 2016-09-09

- Improved TWINT error handling
- Apple Pay iOS 8 fix
- Modal presentation crash fix

Version 2.7.1
Released on 2016-08-19

- TWINT alias adjustments (refno)

Version 2.7.0
Released on 2016-07-14

- TWINT registration support (alias request)
- Option skipAuthorizationCompletion added
- Background color fix

Version 2.6.0
Released on 2016-07-06

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- Apple Pay payment method added

Note that this release requires a new framework to be linked with your project. Please add:

- PassKit.framework

Version 2.5.0
Released on 2016-06-28

- Options to suppress error dialogs (suppressBusinessErrorDialog)

- Custom keyboards fix

- TWINT symbols fix

- Longer request timeout

Version 2.4.0
Released on 2015-10-29

- TWINT payment method added

- Easypay iOS 9 settings documented

Version 2.3.0
Released on 2015-10-16

- JCB cards added

- Unified logos

- iOS 9 improvements

- NATEL Pay option: easypayPresentedAsNATELPay

- Easypay payment info w. alias support

- Bitcode support

- Bugfixes

Version 2.2.0
Released on 2015-07-17

- SwissBilling payment method added

- Credit card expiry date input fixes

Version 2.1.2
Released on 2015-05-04

- Option added to override device language

Version 2.1.1
Released on 2015-04-16

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- Option for web-based credit card input

Version 2.1.0
Released on 2015-04-02

- Credit card scanning support

- ELV aliases

Note that this release requires new frameworks and libraries to be linked with your project. The following libraries are required:

- libc++.dylib
- libxml2.dylib
- AudioToolbox.framework
- AVFoundation.framework
- CoreGraphics.framework,
- CoreMedia.framework
- CoreVideo.framework
- MobileCoreServices.framework
- OpenGLES.framework
- QuartzCore.framework
- Security.framework

If you experience linking errors, please make sure you have all frameworks included in the "Linked Frameworks and Libraries" section of your target.

Version 2.0.0
Released on 2015-03-15

- Easypay registration support (alias request)

- ELV (Lastschriftverfahren) added

- Naming clash fix

Version 1.9.1
Released on 2014-11-25

- PostFinance Card registration support (alias request)

- iPhone 6+ payment method icon fix

Version 1.9.0
Released on 2014-09-16

- iOS 8 fixes

- Option added to override done button title on credit card input screen

- New alias generation modes. Library UI for credit card input and unverified hidden mode alias generation added

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

API changes:

- DTPaymentController callback changed to:

  `-(void)paymentControllerDidFinish:(DTPaymentController *)controller`

- DTAliasController removed and integrated into DTPaymentController. Please refer to section 3.8 of the documentation for more information on alias generation

- Deprecated methods removed

Version 1.8.3
Released on 2014-08-13

- Swisscom Easypay added

Version 1.8.2
Released on 2014-07-03

- Certificate pinning option (Security.framework now required for linking)

Version 1.8.1
Released on 2014-02-13

- New payment options, auto-settlement, PayPal shipping details / forward customer details

- 64-bit support for simulator and iOS devices

- Bug fixes

Version 1.8
Released on 2013-10-23

- New payment method: Manor MyOne

- Hidden mode payments without generating alias first.

  API changes:

  - New DTPaymentController class method for this type of payment. DTAliasController no longer used for immediate payments.

  - DTAliasRequest now initialized with an object of type DTCardPaymentMethod, The
    same type of object is also used for hidden mode payments with card number.

- Improved card number input.

- iOS 7 fixes.

Version 1.7.1
Released on 2013-08-19

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- New credit card alias option: DTPaymentReturnsCreditCardAlways

Version 1.7
Released on 2013-06-06

- Architecture/OS requirements: armv7, iOS 4.3

- Support for new recurring payments: PostFinance Card, PayPal

IMPORTANT API changes (alias / recurring payments):

- The payment controller now has property recurringPaymentMethod of type DTRecurringPaymentMethod instead of creditCard of type DTCreditCard. DTCreditCard inherits from DTRecurringPaymentMethod, the property can therefore safely be cast to DTCreditCard in existing code.

  was: `DTCreditCard* cc = pm.creditCard;`
  now: `DTCreditCard* cc = (DTCreditCard *)pm.recurringPaymentMethod;`

  This works as long as an app does not want to support other types of recurring payments. Check with isKindOfClass: otherwise.

- The method signature of hidden mode payments has changed. Instead of paymentControllerWithDelegate:paymentRequest:creditCard:, paymentControllerWithDelegate:paymentRequest:recurringPaymentMethod: must be invoked. DTCreditCard *is a* DTRecurringPaymentMethod, credit card objects in existing code can therefore be supplied without further processing.

  was:
  ```
  [DTPaymentController paymentControllerWithDelegate:self
                                     paymentRequest:request
                                         creditCard:creditCard];
  ```

  now:
  ```
  [DTPaymentController paymentControllerWithDelegate:self
                                     paymentRequest:request
                          recurringPaymentMethod:creditCard];
  ```


Version 1.6.2
Released on 2012-10-05

- Auto-fill bug fixed (all architectures except armv6)

Version 1.6.1
Released on 2012-09-25

- Bug fixes (iOS 6 background issues, possible crash on device)

Version 1.6
Released on 2012-09-21

- Cardholder now optional
  Please note: **Cardholder field is now hidden by default**. Set option cardHolder = DTPaymentCardHolderRequired for old library behavior.

- Preliminary iPhone 5 processor architecture support (CPU type 12, subtype 11 / armv7s)
  Please note: Not yet tested on device, developers are advised to build for armv7, unless a device is available for testing.

- Accessibility labels

- iOS 6, iPad (UISplitViewController) & credit card input fixes

Version 1.5.2
Released on 2011-11-18

- Apple private API naming conflict resolved

- Translations checked and fixed (English, German, French, Italian)

Version 1.5.1
Released on 2011-09-09

- 3-D Secure request decoding fix

Version 1.5
Released on 2011-05-12

- Support for landscape mode and rotation

Version 1.4
Released on 2011-04-11

- Localization: Dutch

- Translation bug fixes

Version 1.3
Released on 2011-03-11

- New payment methods: PostFinance Card, PostFinance E-Finance

- Missing back button issue documented

- Bug fixes

Version 1.2
Released on 2011-02-16

- New payment method: PayPal

- Localizations: French, Italian

- Alias creation without payment (DTAliasController, DTAliasRequest)

- Auto-scale 3-D Secure pages

- Payment method grouping

- Optional back button on initial library screen

- Bug fixes

Version 1.1

Released on 2010-10-26

- Security label added to toolbar

- Payment amount moved to main pane

- Error dialog on 3-D Secure page when network is lost

- Error dialog on 3-D Secure page if the connection is untrusted (MITM attack)

- Fixed German translation

- Documentation clarifications

Version 1.0

Released on 2010-09-27

- Initial release