

BrainTree

A **PayPal** Company

App for osCommerce Online Merchant v2.4

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Introduction

This document can be found online at:

<https://library.oscommerce.com/Package&en&braintree&oscom24&introduction>

The Braintree App for osCommerce Online Merchant includes the following modules:

- Braintree card payments
- Checkout with PayPal
- Customer account cards management page

Features

The Braintree App supports the following features:

Hosted Fields and Drop-In

Two forms of payment entry methods are available to choose from.

Checkout with PayPal

It's possible to link your PayPal account to your Braintree account and show a "Checkout with PayPal" button on the shopping cart page.

Stored Card Tokens

Payment cards can be stored securely at Braintree and are linked to customer accounts. Customers can then choose their stored payment card for their next purchase without having to re-enter the card information.

3D Secure

Payment cards can be additionally processed through 3D Secure for extra protection against fraudulent payments.

Admin Order Transactions

- Capture full or partial authorizations
- Refund full or partial payments
- Cancel authorizations

Configuration Migration

The module parameter configuration values of earlier module installations are automatically migrated to the App configuration parameters.

Minimum Requirements

osCommerce Online Merchant Version

The Braintree App can be used from osCommerce Online Merchant v2.4.0 (2016) onwards.

PHP Version

The Braintree App requires the following PHP extensions: xmlwriter, openssl, dom, hash, curl.



Manage Credentials Braintree -> Credentials

The Braintree merchant account credentials can be manually entered on this page. Both sets of live account credentials and sandbox account credentials can be saved.

The merchant account credentials consists of:

- Merchant ID
- Public Key
- Private Key
- Merchant Currency Accounts

The merchant account credentials are used to securely communicate with Braintree and perform transactions with.

The screenshot shows the Braintree Credentials management page within an osCommerce interface. The page has a top navigation bar with links for Shop, Apps, and Legacy. The main header displays the Braintree logo and the title 'Credentials'. Below the title, there are tabs for 'Live' and 'Sandbox', with 'Live' currently selected. The 'Live Credentials' section contains three input fields for 'Merchant ID', 'Public Key', and 'Private Key'. Below this, the 'Merchant Currency Accounts' section has three input fields for 'USD (default)', 'EUR', and 'GBP'. A green 'Save' button is located at the bottom left of the form. The osCommerce logo is visible in the bottom right corner.

Managing the Braintree account merchant credentials

Merchant ID, Public Key, and Private Key

The Merchant ID, Public Key, and Private Key credentials can be found on the **Braintree -> Account -> My User -> API Keys, Tokenization Keys, Encryption Keys** page. This can be accessed by using the **View Authorizations** button as shown below.

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Settings Documents Help Account Search

Edit User

User Details

Name

Email
[Edit Email](#)

Phone +49
[Edit](#) [Remove](#)

Log in with Paypal

Start using your PayPal login credentials to access your Braintree account. This will replace and invalidate your current Braintree username and password. [Learn more](#)

[Enable](#)

Change Password

Current Password

New Password [show](#)

Two-Factor Authentication

Two-factor authentication is enabled
[Disable](#)

API Keys, Tokenization Keys, Encryption Keys
[View Authorizations](#)

Notifications

☒ Email Daily Settlement Batch Summary
☒ Include payment type details

[Save](#) [Cancel](#)

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The API Keys, Tokenization Keys, Encryption Keys button can be found on the Braintree -> Account -> My User page

The Merchant ID, Public Key, and Private Key credentials can be viewed by using the **View** link as shown below.

The screenshot shows the Braintree Authorizations page. The left sidebar contains navigation links for Dashboard, Advanced Search, Transactions, Verifications, Vault, Subscriptions, and various transaction-related actions. The main content area is titled 'Authorizations' and includes a sub-header 'API Keys' with a note 'Server use only, should not be shared.' Below this is a table with columns: Public Key, Private Key, Last Used On, and Actions. The Private Key column contains a 'View' link, which is highlighted with an orange box. Below the table is a 'Generate New API Key' button. The next section is 'Tokenization Keys' with a note 'For use in x-zero client SDKs' and a table with columns: Key, Label, Last Used On, Status, and Actions. Below this is a 'Generate New Tokenization Key' button. The final section is 'Client-Side Encryption Keys' with a note 'For use in client SDKs prior to x-zero' and a form with fields for Environment (production), Merchant ID, and CSE Key. Below the form is a 'Delete API Key' button.

The Merchant ID, Public Key, and Private Key credentials can be viewed by using the View link

The Merchant ID, Public Key, and Private Key credentials are displayed as shown below. Please copy the corresponding values to the appropriate fields in the Braintree App Credentials page.

The screenshot shows the Braintree Client Library Key page. The left sidebar is the same as the previous screenshot. The main content area is titled 'Client Library Key' and contains a table with columns: Public Key, Private Key, Environment, and Merchant ID. The table has one row with values: [redacted], [redacted], production, and [redacted]. This row is highlighted with an orange box. Below the table is a 'Delete API Key' button.

The Merchant ID, Public Key, and Private Key credentials are displayed

Merchant Currency Accounts

Each currency in osCommerce Online Merchant needs its own Braintree merchant account assigned to process transactions in. The default currency is required to be

assigned a Braintree merchant account at the minimum. Transactions performed in currencies without a Braintree merchant account will fall back to using the Braintree merchant account of the default currency. In this scenario, a notice is displayed to the customer on the checkout confirmation page with the order total and currency the order will be processed with.

Merchant Currency Accounts can be found on the **Braintree -> Settings -> Processing** page as shown below. Please copy the corresponding values to the appropriate fields in the Braintree App Credentials page.

The screenshot shows the Braintree merchant dashboard with the 'Processing Options' page selected. The left sidebar contains a navigation menu with categories like Dashboard, Transactions, Verifications, Vault, Subscriptions, and more. The main content area is titled 'Processing Options' and includes a note that changes may take up to a minute to take effect. The settings are organized into several sections, each with an 'Edit' button. The sections include: Duplicate Transaction Checking (enabled), Accept PayPal (enable as a payment method), Accept Venmo (enable), Accept Apple Pay (enable), Accept Android Pay (enable), Basic Credit Card Fraud Tools (AVS and CVV rules configured), Risk Thresholds (no risk thresholds configured), Advanced Credit Card Fraud Tools (enable and show risk data), Card Verification (enable), Card Verification - Retry All Failed \$0 (enable), Display Additional Processor Response (enable), and Dispute Notifications (enable).

Braintree
+ PayPal

Settings Documents Help Account Search

Processing Options

Note that changes to these options may not take effect for up to a minute.

Duplicate Transaction Checking

Duplicate transaction checking is enabled
Transactions will be rejected if another successful transaction has been created with the same payment method, order id and amount within the last 30 seconds.

Edit Disable

Accept PayPal

Enable PayPal as a payment method

Edit

Accept Venmo

One Touch™ for Venmo allows users to import payment methods from the Venmo app on iOS and Android.

Enable

Accept Apple Pay

Enable users to pay with Touch ID within iOS apps and Safari.

Enable

Accept Android Pay

Allow users to pay with Android Pay in Android apps.

Enable

Basic Credit Card Fraud Tools

AVS

No AVS Rules Configured

Edit

CVV

No CVV Rules Configured

Edit

Risk Thresholds

No Risk Thresholds Configured

Edit

Advanced Credit Card Fraud Tools

For merchants using API keys only, identify transactions at higher risk for chargebacks. To use these tools on credit card transactions, 1) [implement device data](#) and 2) click **Enable** below.

Enable

Show Risk Data

Card Verification

If enabled, the gateway will verify that credit cards are valid and pass configured AVS/CVV rules before they are stored in the vault. Cards that are not valid will not be stored in the vault. The gateway verifies cards by running a \$0 or \$1 transaction and then automatically voids it. You can also choose to verify cards on an individual basis if you prefer.

Enable

Card Verification - Retry All Failed \$0

If enabled, a failed \$0 authorization will always be retried as a \$1 authorization regardless of the processor response. If disabled, a failed \$0 authorization will only be retried as a \$1 authorization for the following processor responses: 2015 (Transaction Not Allowed), 2019 (Invalid Transaction), 2023 (Processor Does Not Support This Feature), 2027 (Set Up Error - Amount), 2048 (Invalid Amount)

Enable

Display Additional Processor Response

If enabled and the processor declines the transaction, the processor's raw response will be displayed in the Control Panel. Regardless of whether you enable this feature in the Control Panel, the API will always return the Additional Processor Response on the transaction object.

Enable

Dispute Notifications

You may receive email notifications as soon as a new dispute is received, a batch of notifications once per day, or not at all.

Edit

Transaction Issue Notifications

View and change who receives notifications about transaction issues.

Edit

Custom Fields

Fields:

New

Email Receipts

In order for Braintree to send emails on your behalf we must verify that your DNS records are configured correctly. Please follow these [instructions](#) and contact Braintree support to verify. Phone: 877.434.2894
Email: support@braintreepayments.com

Edit

Recurring Billing

If the transaction for a prorated amount fails, **don't update the subscription or the balance.**






After a subscription is past due, retry the subscription after **10 days**

If above retry fails, try again after **10 days**

If above retries have failed, **Continue retrying the subscription**

Edit

Merchant Accounts

Merchant Account ID	Currency	Accepted Payment Methods
(default)	EUR	    

Time Zone

Bern

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The Merchant Currency Accounts are displayed



Configuration Braintree -> Configuration

The Braintree App and payment methods can be configured on this page.

Parameter	Description	Default
Status	Set this to <i>Live</i> to process transactions using the Live Credentials, or to <i>Sandbox</i> for the Sandbox Credentials. <i>Disabled</i> disables this as a payment method.	<i>Live</i>
Entry Form	Select which method should be used to accept payment card information.	<i>Hosted Fields</i>
Payment Types	Select which additional payment types should be made available.	
PayPal Button Color	Select which color the Checkout with PayPal button should be displayed in.	<i>Gold</i>
PayPal Button Size	Select the size of the Checkout with PayPal button.	<i>Small</i>
PayPal Button Shape	Select the shape of the Checkout with PayPal button.	<i>Pill</i>
Create Tokens	Choose whether customers should be able to securely store their payment card details. Cards are always stored with <i>Always</i> and customers can decide themselves during the checkout procedure with <i>Optional</i> .	<i>Disabled</i>
Verify CVV	Choose whether all payment cards (including stored cards) or just new payment cards should be processed with the CVV Security Code.	<i>All Cards</i>
3D Secure		<i>Disabled</i>

Parameter	Description	Default
	Choose whether all payment cards (including stored cards) or just new payment cards should be processed with 3D Secure.	
Transaction Method	<p>The transaction method to use for payments.</p> <p>The <i>Authorize</i> method only authorizes the transaction which can be captured at a later time.</p> <p>The <i>Payment</i> method instantly captures the funds from the customers paying account.</p>	<i>Payment</i>
Order Status	Set the status of orders made with this payment method to this order status level.	<i>Default Order Status</i>
Transactions Order Status	Transaction results will be stored at this order status level. Only private order status levels are shown to select from.	<i>Braintree [Transactions]</i>
Payment Zone	If set, this payment method will only be available to orders made within the defined zone.	

Order Administration

The Braintree App adds a dedicated Braintree tab to the orders management page and provides the following features:

- Full or partial capture of authorized transactions
- Full or partial refunds of captured transactions
- Cancelling authorized transactions
- Retrieving the current status of the transaction

Shop Apps Legacy haraldpdl

Orders

#91 (\$39.99)

Back Invoice Packing Slip

Summary Products History Braintree

Customer:
Harald Ponce de Leon
1 Way Street
Beverly Hills, California 90210
United States
12121212
hpdl@oscommerce.com

Shipping Address:
Harald Ponce de Leon
1 Way Street
Beverly Hills, California 90210
United States

Billing Address:
Harald Ponce de Leon
1 Way Street
Beverly Hills, California 90210
United States

Payment Method:
Credit and Debit Cards (PayPal/Braintree/ET; Sandbox)

Status:
Pending
11/02/2016 09:40:17

Total:
\$39.99

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The addition of the Braintree tab

The Braintree tab displays additional action buttons depending on the current state of the order.

Shop Apps Legacy haraldpdl

Orders

#91 (\$39.99)

Back Invoice Packing Slip

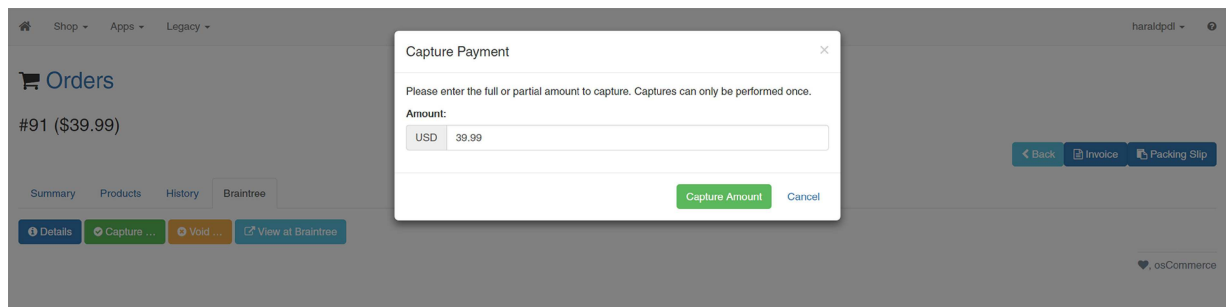
Summary Products History Braintree

Details Capture ... Void ... View at Braintree

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Additional order action buttons in the Braintree tab

Capturing authorized transactions can occur with a full or partial amount. Capturing an amount can only occur once per authorized transaction.



Capturing a transaction in full or partially

As soon as an order administration action is performed, the order information page is reloaded with a status notification of the action being shown at the top of the page and for successful actions, additional transactional information is stored as an order status comment.

The Braintree transaction has been successfully captured.

Orders

#91 (\$39.99)

Summary Products History Braintree

Status: Pending

Add Comment:

☒ Notify Customer:

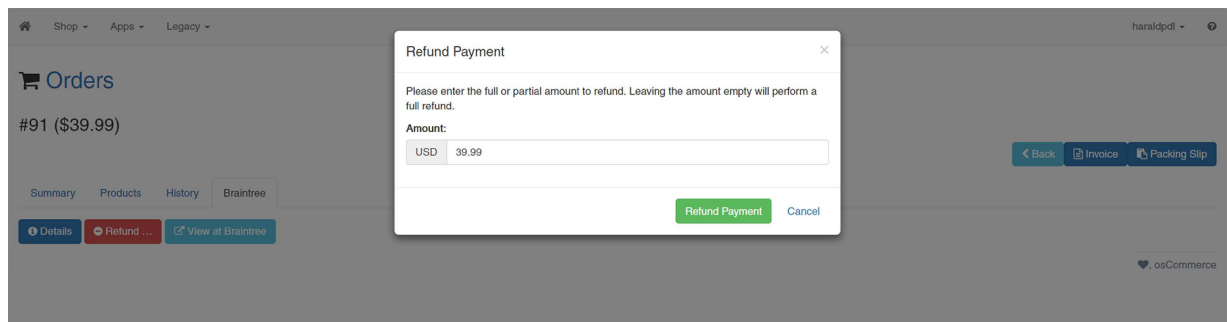
☒ Append Comments:

Date Added	Status	Comments	Customer Notified
11/02/2016 09:46:38	Braintree [Transactions]	Braintree App: Settled (39.99) Transaction ID: [REDACTED] Payment Status: settled Status History: [2016-11-02 09:40:18 CET] authorized 39.99 USD [2016-11-02 09:46:37 CET] submitted_for_settlement 39.99 USD [2016-11-02 09:46:39 CET] settled 39.99 USD	X
11/02/2016 09:46:36	Braintree [Transactions]	Braintree App: Capture (39.99) Transaction ID: [REDACTED] Payment Status: submitted_for_settlement Status History: [2016-11-02 09:40:18 CET] authorized 39.99 USD [2016-11-02 09:46:37 CET] submitted_for_settlement 39.99 USD	X
11/02/2016 09:40:18	Braintree [Transactions]	Transaction ID: [REDACTED] Payment Status: authorized Payment Type: credit_card Server: sandbox Token Used: Yes	X
11/02/2016 09:40:17	Pending		✓

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Performing a full capture on an authorized transaction

The Braintree App detects that the current status of the order has changed and now displays a refund button to be able to refund captured authorizations.



Refunding a previously captured transaction



Online Demonstration

A client side online demonstration of the Braintree App is available at:

<https://demo.oscommerce.shop/24/>

The Braintree App has been configured with the Sandbox environment and will not process transactions.



Privacy Policy

Braintree Modules

Braintree modules send store owner, online store, and customer related information to Braintree to process API transactions. These include the following modules:

- Braintree Credit Cards

The following information is included in API calls sent to Braintree:

- Braintree merchant account information of the seller / store owner.
- Customer shipping and billing addresses.
- The order total and currency.
- E-Commerce solution identification.



Changelog

Braintree App

v2.000 02-Nov-2016

- Initial public release.