Braintree Connector Connector Reference

Configurations

Config

Default configuration

Parameters

Name	Type	Description	Default Value	Required
Name	String	The name for this configuration. Connectors reference the configuration with this name.		**x**
Connection	• Braintree API Keys • PayPal Express Checkout Access Token	The connection types that can be provided to this configuration.		**x**
Name	String	The identifier of this element used to reference it in other components		**x**
Expiration Policy	Expiration Policy	Configures the minimum amount of time that a dynamic configuration instance can remain idle before the runtime considers it eligible for expiration. This does not mean that the platform will expire the instance at the exact moment that it becomes eligible. The runtime will actually purge the instances when it sees it fit.		

Connection Types

Braintree API Keys

Parameters

Name	Type	Description	Default Value	Required
Merchant ID	String	The merchant account ID		**x**
Public Key	String	Associated public key with merchant account		**x**
Private Key	String	Associated private key with merchant account		**x**
Environment	String	Operation execution environment. Examples: sandbox, development, qa, production	production	
Reconnection	Reconnection	When the application is deployed, a connectivity test is performed on all connectors. If set to true, deployment will fail if the test doesn't pass after exhausting the associated reconnection strategy		
Pooling Profile	Pooling Profile	Characteristics of the connection pool		

PayPal Express Checkout Access Token

Parameters

Name	Type	Description	Default Value	Required
ECBT Access Token	String	ECBT Access Token		**x**
Reconnection	Reconnection	When the application is deployed, a connectivity test is performed on all connectors. If set to true, deployment will fail if the test doesn't pass after exhausting the associated reconnection strategy		
Pooling Profile	Pooling Profile	Characteristics of the connection pool		

Associated Operations

- Transaction - Adjust Authorization
- Subscription - Cancel
- Transaction - Clone
- Customer - Create
- PaymentMethod - Create
- Plan - Create
- Subscription - Create
- Customer - Delete
- PaymentMethod - Delete
- Customer - Find
- PaymentMethod - Find
- Subscription - Find
- Transaction - Find
- Client Token - Get
- Query - GraphQL
- Transaction - Refund
- Subscription - Retry Charge
- Transaction - Sale
- Search Customer
- Plan - Search
- Subscription - Search
- Search Transaction
- Transaction - Submit For Partial Settlement
- Transaction - Submit For Settlement
- Customer - Update
- Update Payment Method
- Subscription - Update
- Transaction - Void

Operations

Transaction - Adjust Authorization

```
<braintree:adjust-authorization-transaction>
```

After creating a transaction, the authorized amount of the authorized transaction can be adjusted through this operation.

Parameters

Name	Type	Description	Default Value	Required
Configuration	String	The name of the configuration to use.		x
Transaction ID	String	The unique transaction identifier. You can only adjust authorization of transactions that have a status of "AUTHORIZED".		x
Amount	String	The adjusted amount to be authorized for the transaction. This value must be greater than 0 and can't be same as current authorized amount of the transaction, and must match the currency format of the merchant account.		x
Config Ref	ConfigurationProvider	The name of the configuration to be used to execute this component		x
Target Variable	String	The name of a variable on which the operation's output will be placed		
Target Value	String	An expression that will be evaluated against the operation's output and the outcome of that expression will be stored in the target variable	# [payload]	
Reconnection Strategy	• Reconnect • Reconnect Forever	A retry strategy in case of connectivity errors		

Output

Type	Result

For Configurations

- Config

Throws

- BRAINTREE:AUTHENTICATION
- BRAINTREE:AUTHORIZATION
- BRAINTREE:CONNECTIVITY
- BRAINTREE:EXECUTION
- BRAINTREE:RETRY_EXHAUSTED
- BRAINTREE:TRANSACTION_NOT_FOUND

Subscription - Cancel

`<braintree:cancel-subscription>`

If user wants to stop billing a credit card, user can cancel the subscription. Once canceled, a subscription can't be reactivated. User would have to create a new subscription. User can't cancel subscriptions that have already been canceled.

Parameters

Name	Type	Description	Default Value	Required

Name	Type	Description	Default Value	Required
Configuration	String	The name of the configuration to use.		x
Subscription ID	String	The value used to identify a specific subscription. If you do not specify an ID when creating a subscription, the gateway will generate a 6- or 7-character alphanumeric ID. Once canceled, a subscription can't be edited or reactivated. You must create a new subscription.		x
Config Ref	ConfigurationProvider	The name of the configuration to be used to execute this component		x
Target Variable	String	The name of a variable on which the operation's output will be placed		
Target Value	String	An expression that will be evaluated against the operation's output and the outcome of that expression will be stored in the target variable	#[payload]	
Reconnection Strategy	• Reconnect • Reconnect Forever	A retry strategy in case of connectivity errors		

Output

Type	Result

For Configurations

- Config

Throws

- BRAINTREE:AUTHENTICATION
- BRAINTREE:AUTHORIZATION
- BRAINTREE:CONNECTIVITY
- BRAINTREE:EXECUTION
- BRAINTREE:RETRY_EXHAUSTED

Transaction - Clone

`<braintree:clone-transaction>`

Clone a transaction will create a new transaction by copying all the attributes, except amount, of the original transaction with the specified Transaction Id.

Parameters

Name	Type	Description	Default Value	Required
Configuration	String	The name of the configuration to use.		x
Config Ref	ConfigurationProvider	The name of the configuration to be used to execute this component		x
Transaction ID	String	The unique transaction identifier. You can only clone non-PayPal transactions that have a status of authorized, authorization_expired, voided, submitted_for_settlement, or settled. Processor declined, gateway rejected, and failed transactions can't be cloned. Please refer https://developer.paypal.com/braintree/docs/reference/request/transaction/clone-transaction#arg.transaction_id		x

Name	Type	Description	Default Value	Required
Amount	String	The amount of the cloned transaction. This value must be greater than 0, and must match the appropriate currency format. Please refer https://developer.paypal.com/braintree/docs/reference/request/transaction/clone-transaction#amount		x
Submit For Settlement	Boolean	Whether to submit the transaction for settlement once authorization succeeds. Please refer https://developer.paypal.com/braintree/docs/reference/request/transaction/clone-transaction#options.submit_for_settlement	false	
Target Variable	String	The name of a variable on which the operation's output will be placed		
Target Value	String	An expression that will be evaluated against the operation's output and the outcome of that expression will be stored in the target variable	#[payload]	
Reconnection Strategy	• Reconnect • Reconnect Forever	A retry strategy in case of connectivity errors		

Output

Type	Result

For Configurations

- Config

Throws

- BRAINTREE:AUTHENTICATION
- BRAINTREE:AUTHORIZATION
- BRAINTREE:CONNECTIVITY
- BRAINTREE:EXECUTION
- BRAINTREE:RETRY_EXHAUSTED
- BRAINTREE:TRANSACTION_NOT_FOUND

Customer - Create

`<braintree:create-customer>`
Operation to create customer. You can create a customer by itself, with a payment method, or with a credit card with a billing address.

Parameters

Name	Type	Description	Default Value	Required
Configuration	String	The name of the configuration to use.		x
Payment Method	Payment Card Information	A credit or debit payment method details.		
Payment Method Options	Payment Method Options	Payment method options.		

Name	Type	Description	Default Value	Required
Address	Address	A billing address associated with a specific credit card. The maximum number of addresses per customer is 50.		
3D Secure	Three D Secure Pass Thru			
Config Ref	ConfigurationProvider	The name of the configuration to be used to execute this component		**x**
ID	String	A string value that will represent this specific customer in your Vault. 36 character maximum; must be unique within your Vault; valid characters are letters, numbers, -, and _; the words "all" and "new" currently can't be used. If not specified on creation, the gateway will generate an alphanumeric ID that can be accessed on the result. The generated IDs will never start with a leading 0 and are case insensitive.		
First Name	String	The first name. The first name value must be less than or equal to 255 characters.		
Last Name	String	The last name. The last name value must be less than or equal to 255 characters.		
Email	String	Email address composed of ASCII characters.		
Phone	String	Phone number. Maximum 255 characters.		
fax	String	Fax number. Maximum 255 characters.		
Company	String	Company name. Maximum 255 characters.		
Website	String	Website URL. Must be less than or equal to 255 characters. Website must be well-formed. The URL scheme is optional.		
Token	String	An alphanumeric value that references a specific payment method stored in your Vault. Must be less than or equal to 36 characters. If using a custom integration, you can specify what you want the token to be. If not specified, the gateway will generate one that can be accessed on the result.		
Nonce	String	One-time-use reference to payment information provided by your customer, such as a credit card or PayPal account. When passed on customer create, it creates a payment method associated with the new customer.		
Device Data	String	Customer device information. Pass this value only if you have Advanced Fraud Tools enabled and are adding credit card data to your Vault. Be sure to provide the full string received from the Braintree.		
Custom Fields	Object	A collection of custom field/value pairs. Fields and values must be less than 255 characters. You must set up each custom field in the Control Panel prior to passing it with a request.		
Risk Data	Risk Data	Customer device information, which is sent directly to supported processors for fraud analysis. These fields are automatically populated if using Advanced Fraud Tools. Currently only available when processing American Express via Amex Direct.		

Name	Type	Description	Default Value	Required
Tax Identifier	Array of Tax Identifier Request	A set of country code ID pairs, analogous to Social Security numbers in the United States. A customer may have multiple national tax identifiers in the event of multinational citizenship, but only one identifier per country code. Because tax identifiers are PII, these values are not displayed in the Control Panel or serialized on the customer response. You will only need to use these fields for processing in certain countries.		
Target Variable	String	The name of a variable on which the operation's output will be placed		
Target Value	String	An expression that will be evaluated against the operation's output and the outcome of that expression will be stored in the target variable	# [payload]	
Reconnection Strategy	• Reconnect • Reconnect Forever	A retry strategy in case of connectivity errors		

Output

Type	Result

For Configurations

- Config

Throws

- BRAINTREE:AUTHENTICATION
- BRAINTREE:AUTHORIZATION
- BRAINTREE:CONNECTIVITY
- BRAINTREE:CUSTOMER_NOT_FOUND
- BRAINTREE:EXECUTION
- BRAINTREE:RETRY_EXHAUSTED

PaymentMethod - Create

`<braintree:create-payment-method>`
Operation to create a payment method.

Parameters

Name	Type	Description	Default Value	Required
Configuration	String	The name of the configuration to use.		**x**
Customer Id	String	The customer's unique Id		**x**
Payment Method Nonce	String	The payment method nonce		**x**
Payment Method	Payment Card Information	A credit or debit payment method details.		

Name	Type	Description	Default Value	Required
Payment Method Options	Payment Method Options	Payment method options.		
Billing Address	Address	A billing address associated with a specific credit card. The maximum number of addresses per customer is 50.		
3D Secure	Three D Secure Pass Thru			
Config Ref	ConfigurationProvider	The name of the configuration to be used to execute this component		x
Target Variable	String	The name of a variable on which the operation's output will be placed		
Target Value	String	An expression that will be evaluated against the operation's output and the outcome of that expression will be stored in the target variable	# [payload]	
Reconnection Strategy	• Reconnect • Reconnect Forever	A retry strategy in case of connectivity errors		

Output

Type	Result

For Configurations

- Config

Throws

- BRAINTREE:AUTHENTICATION
- BRAINTREE:AUTHORIZATION
- BRAINTREE:CONNECTIVITY
- BRAINTREE:EXECUTION
- BRAINTREE:PAYMENT_METHOD_NOT_FOUND
- BRAINTREE:RETRY_EXHAUSTED

Plan - Create

`<braintree:create-plan>`

Plan Create operation will create plan for Subscription which is template for Subscription.

Parameters

Name	Type	Description	Default Value	Required
Configuration	String	The name of the configuration to use.		x
Config Ref	ConfigurationProvider	The name of the configuration to be used to execute this component		x
ID	String	The plan identifier. A random ID will be generated for you if you leave this blank.		
Name	String	The name of the plan.		x

Name	Type	Description	Default Value	Required
Description	String	A description of the plan.		
Price	String	The formatted base price specified for a plan.		**x**
Currency Iso Code	String	The currency for the transaction (e.g. "USD" for US dollars). See the ISO 4217 - http://en.wikipedia.org/wiki/ISO_4217 codes.		**x**
Trial Period	Trial Period	A value indicating whether a subscription should begin with a trial period. Specifying a trial period via the API will override the subscription's plan details. Please provide Trial period in case want to add trial period otherwise no need to provide.		
Billing Frequency	Number	Specifies the billing interval of the plan in months.		**x**
Billing Day of Month	Number	The value that specifies the day of the month that the gateway will charge the subscription on every billing cycle. This field is required if trial period is not specified. Cannot have both a specified billing date and a trial period.	0	
Number of Billing Cycles	Number	Specifies the number of billing cycles of the plan. This field will have value in case plan will expire after certain number of billing cycles. If plan will not expire then then keep it blank.	0	
Target Variable	String	The name of a variable on which the operation's output will be placed		
Target Value	String	An expression that will be evaluated against the operation's output and the outcome of that expression will be stored in the target variable	# [payload]	
Reconnection Strategy	• Reconnect • Reconnect Forever	A retry strategy in case of connectivity errors		

Output

Type	Result

For Configurations

- Config

Throws

- BRAINTREE:AUTHENTICATION
- BRAINTREE:AUTHORIZATION
- BRAINTREE:CONNECTIVITY
- BRAINTREE:EXECUTION
- BRAINTREE:RETRY_EXHAUSTED

Subscription - Create

`<braintree:create-subscription>`
Subscription Create operation will create subscription for plan id.

Parameters

Name	Type	Description	Default Value	Required
Configuration	String	The name of the configuration to use.		x
Descriptor	Descriptor	Subscription descriptor information		
Add Ons	Subscription Add On Request	Subscription add, update, remove add on detail		
Discounts	Subscription Discount Request	Subscription add, update, remove discount detail		
Subscription Options	Create Subscription Options	Subscription options information		
Subscription Payment Mode	One of: • Payment Method With Nonce • Payment Method With Token	Subscription payment mode information for example payment method nonce or token		
Config Ref	ConfigurationProvider	The name of the configuration to be used to execute this component		x
Merchant Account ID	String	The merchant account ID used to create the subscription's transactions. Currency is also determined by merchant account ID and it must match the Plan's currency.		
Number of Billing Cycles	Number	The number of billing cycles of the subscription. If this is set to a non-null value, neverExpires will be set to false as a subscription can't both have a limited number of billing cycles and never expire. This value must be greater than or equal to the value of currentBillingCycle().	0	
Price	String	The price specified for a subscription. Billing price must be formatted like 10 or 10.00. If you provide a price, it can't be an empty string. You must update the price in this parameter; updating the planId will not automatically change the price of a subscription. You can't update the price of a Past Due, Expired, or Canceled subscription. Price can't be greater than the maximum allowed by the processor.		
Never Expires	Boolean	Whether a subscription's billing cycle is set to never expire instead of running for a specific number of billing cycles. If this is set to true, numberOfBillingCycles will be set to null as a subscription can't have a limited number of billing cycles and never expire. If set to false, numberOfBillingCycles can't be null.	false	
Plan ID	String	The plan identifier. Values can use only letters, numbers, -, and _		x
Billing Day of Month	Number	The value that specifies the day of the month that the gateway will charge the subscription on every billing cycle. The value of this field must be 1-28 or 31. A value of 31 tells the recurring billing engine to charge the subscription on the last day of the month, regardless of how many days are in the month. Passing a value with this field will override the plan's default settings.	0	
First Billing Date	String	The day the subscription starts billing. The field can accept date objects and must be a future date. This will override default plan details. Dates will be interpreted as UTC dates. Provide date in dd-MM-yyyy format. Example: 25-12-2019		

Name	Type	Description	Default Value	Required
ID	String	A string value representing a specific subscription in the Vault. Max 36 characters; must be unique within a merchant's Vault; valid characters are letters, numbers, - and _. If not specified on creation, the gateway will generate an alphanumeric ID that can be accessed on the result. The generated IDs will never start with a leading 0 and are case insensitive.		
Trial Period	Boolean	A value indicating whether a subscription should begin with a trial period. Specifying a trial period via the API will override the subscription's plan details.	false	
Trial Duration	Number	The trial timeframe specified in a plan. Specifying a trial duration via the API will override the subscription's plan details. It is required if trial period is set to true and must be 1-3 digits. If you specify a trial duration of 0, the gateway will start the subscription immediately and not consider it to include a trial period.	0	
Trial Duration Unit	Enumeration, one of: • DAY • MONTH • UNRECOGNIZED	The trial unit specified in a plan. Specify day or month. Specifying a trial duration unit via the API will override the subscription's plan details.		
Target Variable	String	The name of a variable on which the operation's output will be placed		
Target Value	String	An expression that will be evaluated against the operation's output and the outcome of that expression will be stored in the target variable	#[payload]	
Reconnection Strategy	• Reconnect • Reconnect Forever	A retry strategy in case of connectivity errors		

Output

Type	Result

For Configurations

- Config

Throws

- BRAINTREE:AUTHENTICATION
- BRAINTREE:AUTHORIZATION
- BRAINTREE:CONNECTIVITY
- BRAINTREE:EXECUTION
- BRAINTREE:RETRY_EXHAUSTED

Customer - Delete

`<braintree:delete-customer>`

Operation to delete customer. You can delete a customer using its ID. When a customer is deleted, all associated payment methods are also deleted, and all associated recurring billing subscriptions are canceled.

Parameters

Name	Type	Description	Default Value	Required
Configuration	String	The name of the configuration to use.		x
Customer Id	String	The customer Id to delete.		x
Config Ref	ConfigurationProvider	The name of the configuration to be used to execute this component		x
Target Variable	String	The name of a variable on which the operation's output will be placed		
Target Value	String	An expression that will be evaluated against the operation's output and the outcome of that expression will be stored in the target variable	#[payload]	
Reconnection Strategy	• Reconnect • Reconnect Forever	A retry strategy in case of connectivity errors		

Output

Type	Result

For Configurations

- Config

Throws

- BRAINTREE:AUTHENTICATION
- BRAINTREE:AUTHORIZATION
- BRAINTREE:CONNECTIVITY
- BRAINTREE:CUSTOMER_NOT_FOUND
- BRAINTREE:EXECUTION
- BRAINTREE:RETRY_EXHAUSTED

PaymentMethod - Delete

`<braintree:delete-payment-method>`
Operation to delete a payment method.

Parameters

Name	Type	Description	Default Value	Required
Configuration	String	The name of the configuration to use.		x
Payment Method Token	String	The alphanumeric value that references a specific payment method stored in your Vault.		x
Revoke All grants	Boolean	When true, all grants of the payment method to other merchants will automatically be revoked. The default value is false.	false	
Config Ref	ConfigurationProvider	The name of the configuration to be used to execute this component		x
Target Variable	String	The name of a variable on which the operation's output will be placed		

Name	Type	Description	Default Value	Required
Target Value	String	An expression that will be evaluated against the operation's output and the outcome of that expression will be stored in the target variable	# [payload]	
Reconnection Strategy	• Reconnect • Reconnect Forever	A retry strategy in case of connectivity errors		

Output

Type	Result

For Configurations

- Config

Throws

- BRAINTREE:AUTHENTICATION
- BRAINTREE:AUTHORIZATION
- BRAINTREE:CONNECTIVITY
- BRAINTREE:EXECUTION
- BRAINTREE:PAYMENT_METHOD_NOT_FOUND
- BRAINTREE:RETRY_EXHAUSTED

Customer - Find

`<braintree:find-customer>`

Find operation look up a single customer using its ID. If the customer can't be found, it will throw a NotFoundException.

Parameters

Name	Type	Description	Default Value	Required
Configuration	String	The name of the configuration to use.		**x**
Customer Id	String	The customer Id to find.		**x**
Config Ref	ConfigurationProvider	The name of the configuration to be used to execute this component		**x**
Target Variable	String	The name of a variable on which the operation's output will be placed		
Target Value	String	An expression that will be evaluated against the operation's output and the outcome of that expression will be stored in the target variable	# [payload]	
Reconnection Strategy	• Reconnect • Reconnect Forever	A retry strategy in case of connectivity errors		

Output

Type	Customer Response

For Configurations

- Config

Throws

- BRAINTREE:AUTHENTICATION
- BRAINTREE:AUTHORIZATION
- BRAINTREE:CONNECTIVITY
- BRAINTREE:CUSTOMER_NOT_FOUND
- BRAINTREE:EXECUTION
- BRAINTREE:RETRY_EXHAUSTED

PaymentMethod - Find

`<braintree:find-payment-method>`
Operation to find a payment method.

Parameters

Name	Type	Description	Default Value	Required
Configuration	String	The name of the configuration to use.		**x**
Payment Method Token	String	The alphanumeric value that references a specific payment method stored in your Vault.		**x**
Config Ref	ConfigurationProvider	The name of the configuration to be used to execute this component		**x**
Target Variable	String	The name of a variable on which the operation's output will be placed		
Target Value	String	An expression that will be evaluated against the operation's output and the outcome of that expression will be stored in the target variable	# [payload]	
Reconnection Strategy	- Reconnect - Reconnect Forever	A retry strategy in case of connectivity errors		

Output

Type	PaymentMethodResponse

For Configurations

- Config

Throws

- BRAINTREE:AUTHENTICATION
- BRAINTREE:AUTHORIZATION
- BRAINTREE:CONNECTIVITY
- BRAINTREE:EXECUTION
- BRAINTREE:PAYMENT_METHOD_NOT_FOUND
- BRAINTREE:RETRY_EXHAUSTED

Subscription - Find

`<braintree:find-subscription>`

If user wants to look up a single subscription using its ID, use the Subscription - Find operation.

Parameters

Name	Type	Description	Default Value	Required
Configuration	String	The name of the configuration to use.		**x**
Subscription ID	String	The value used to identify a specific subscription. If you do not specify an ID when creating a subscription, the gateway will generate a 6- or 7-character alphanumeric ID. When updating a subscription, you can only use tokens associated with the same customer that the subscription is currently associated with. Once canceled, a subscription can't be edited or reactivated. You must create a new subscription.		**x**
Config Ref	ConfigurationProvider	The name of the configuration to be used to execute this component		**x**
Target Variable	String	The name of a variable on which the operation's output will be placed		
Target Value	String	An expression that will be evaluated against the operation's output and the outcome of that expression will be stored in the target variable	# [payload]	
Reconnection Strategy	• Reconnect • Reconnect Forever	A retry strategy in case of connectivity errors		

Output

Type	
	Subscription

For Configurations

- Config

Throws

- BRAINTREE:AUTHENTICATION
- BRAINTREE:AUTHORIZATION
- BRAINTREE:CONNECTIVITY
- BRAINTREE:EXECUTION
- BRAINTREE:RETRY_EXHAUSTED

Transaction - Find

`<braintree:find-transaction>`

Find Transaction operation returns the transaction with the specified Transaction Id

Parameters

Name	Type	Description	Default Value	Required
Configuration	String	The name of the configuration to use.		**x**
Transaction ID	String	The unique transaction identifier.		**x**

Name	Type	Description	Default Value	Required
Config Ref	ConfigurationProvider	The name of the configuration to be used to execute this component		**x**
Target Variable	String	The name of a variable on which the operation's output will be placed		
Target Value	String	An expression that will be evaluated against the operation's output and the outcome of that expression will be stored in the target variable	# [payload]	
Reconnection Strategy	• Reconnect • Reconnect Forever	A retry strategy in case of connectivity errors		

Output

Type	Transaction Response

For Configurations

- Config

Throws

- BRAINTREE:AUTHENTICATION
- BRAINTREE:AUTHORIZATION
- BRAINTREE:CONNECTIVITY
- BRAINTREE:EXECUTION
- BRAINTREE:RETRY_EXHAUSTED
- BRAINTREE:TRANSACTION_NOT_FOUND

Client Token - Get

`<braintree:get-client-token>`
Operation to generate token which contains all authorization and configuration information.

Parameters

Name	Type	Description	Default Value	Required
Configuration	String	The name of the configuration to use.		**x**
Client Token Options Request	Client Token Request Options	Generate token request options.		
Output Mime Type	String	The mime type of the payload that this operation outputs.		
Config Ref	ConfigurationProvider	The name of the configuration to be used to execute this component		**x**
Target Variable	String	The name of a variable on which the operation's output will be placed		
Target Value	String	An expression that will be evaluated against the operation's output and the outcome of that expression will be stored in the target variable	# [payload]	
Reconnection Strategy	• Reconnect • Reconnect Forever	A retry strategy in case of connectivity errors		

Output

Type	String

For Configurations

- Config

Throws

- BRAINTREE:AUTHENTICATION
- BRAINTREE:AUTHORIZATION
- BRAINTREE:CONNECTIVITY
- BRAINTREE:EXECUTION
- BRAINTREE:FAILED_TO_GENERATE_TOKEN
- BRAINTREE:RETRY_EXHAUSTED

Query - GraphQL

`<braintree:query-graph-ql>`
Query Operation returns response in expected format defined in query definition by using graphQL with provided variables and definition.

Parameters

Name	Type	Description	Default Value	Required
Configuration	String	The name of the configuration to use.		**x**
Config Ref	ConfigurationProvider	The name of the configuration to be used to execute this component		**x**
Query Definition	Binary	The value for query definition must be a single JSON string containing a well-formed GraphQL document (query or mutation). Please refer https://graphql.braintreepayments.com/guides/making_api_calls/#request-requirements		**x**
Query Variables	String	The value for query variables must be a JSON object containing the key/value pairs for each variable. Please refer https://graphql.braintreepayments.com/guides/making_api_calls/#request-requirements		
Target Variable	String	The name of a variable on which the operation's output will be placed		
Target Value	String	An expression that will be evaluated against the operation's output and the outcome of that expression will be stored in the target variable	# [payload]	
Reconnection Strategy	- Reconnect - Reconnect Forever	A retry strategy in case of connectivity errors		

Output

Type	Graph QL Response

For Configurations

- Config

Throws

- BRAINTREE:AUTHENTICATION
- BRAINTREE:AUTHORIZATION
- BRAINTREE:CONNECTIVITY
- BRAINTREE:EXECUTION
- BRAINTREE:RETRY_EXHAUSTED

Transaction - Refund

`<braintree:refund-transaction>`

Refund transaction operation refunds the specified transaction that have a status of settled or settling. If the transaction has not yet begun settlement, use 'Void Transaction' operation instead.

Parameters

Name	Type	Description	Default Value	Required
Configuration	String	The name of the configuration to use.		x
Transaction Id	String	The unique transaction identifier. You can only refund the transactions that have a status of settled or settling.		x
Amount	String	The amount to refund. This value must be greater than 0, and can't exceed the total amount of the transaction. If you do not specify an amount to refund, the entire transaction amount will be refunded		
Order Id	String	The unique order identifier, use this parameter if you would like to pass different orderId than that of the original transaction.		
Merchant Account Id	String			
Config Ref	ConfigurationProvider	The name of the configuration to be used to execute this component		x
Target Variable	String	The name of a variable on which the operation's output will be placed		
Target Value	String	An expression that will be evaluated against the operation's output and the outcome of that expression will be stored in the target variable	# [payload]	
Reconnection Strategy	• Reconnect • Reconnect Forever	A retry strategy in case of connectivity errors		

Output

Type	Result

For Configurations

- Config

Throws

- BRAINTREE:AUTHENTICATION

- BRAINTREE:AUTHORIZATION
- BRAINTREE:CONNECTIVITY
- BRAINTREE:EXECUTION
- BRAINTREE:RETRY_EXHAUSTED
- BRAINTREE:TRANSACTION_NOT_FOUND

Subscription - Retry Charge

`<braintree:retry-charge-subscription>`
You can manually retry charging past due subscriptions

Parameters

Name	Type	Description	Default Value	Required
Configuration	String	The name of the configuration to use.		**x**
Config Ref	ConfigurationProvider	The name of the configuration to be used to execute this component		**x**
Subscription ID	String	A string value representing a specific subscription in the vault.		**x**
Amount	String	The amount to charge the customer if different from the current balance on the subscription. This value must be greater than 0, and must match the appropriate currency format.		
Submit For Settlement	Boolean	If set to true, the transaction will automatically be submitted for settlement if the retry request is successful. Available in the latest versions of our server SDKs.	false	
Target Variable	String	The name of a variable on which the operation's output will be placed		
Target Value	String	An expression that will be evaluated against the operation's output and the outcome of that expression will be stored in the target variable	#[payload]	
Reconnection Strategy	• Reconnect • Reconnect Forever	A retry strategy in case of connectivity errors		

Output

Type	Result

For Configurations

- Config

Throws

- BRAINTREE:AUTHENTICATION
- BRAINTREE:AUTHORIZATION
- BRAINTREE:CONNECTIVITY
- BRAINTREE:EXECUTION
- BRAINTREE:RETRY_EXHAUSTED

Transaction - Sale

`<braintree:sale>`

To create a transaction, you must include an amount() and either a paymentMethodNonce(), a paymentMethodToken(), or a customerId(). Passing a customerId is equivalent to passing the paymentMethodToken of the customer's default payment method.

Parameters

Name	Type	Description	Default Value	Required
Configuration	String	The name of the configuration to use.		x
Customer	One of: • Existing Customer • New Customer	SaleCustomer customer Customer details		
Billing Address	One of: • Existing Billing Address • New Billing Address	SaleBillingAddress salebillingAddress Billing address details, either new billing address or existing billing address id		
Shipping Details	Sale Shipping Details	SaleShippingDetails saleShippingDetails Shipping amount details		
Shipping Address	One of: • Existing Shipping Address • New Shipping Address	SaleShippingAddress saleshippingAddress Shipping address details, either new shipping address or existing shipping address id		
Sale Payment Options	One of: • Payment Method Nonce • Payment Method Token • Card Details	SalePaymentMode salePaymentOptions SalePaymentMode is either paymentMethodToken or paymentMethodNonce and credit card		
Line Item	Sale Line Item	SaleLineItem lineItem The line items for this transaction. It can include up to 249 line items. If your merchant account has been configured Level 3 processing this field will be passed to processor on your behalf.		
3D Secure	Three D Secure Pass Thru	SaleThreeDSecurePassThru threeDSecure Results of a merchant-performed 3D Secure authentication. You will only need to use these fields if you've performed your own integration with a 3D Secure MPI provider (e.g. Cardinal Centinel).		
Descriptor	Descriptor	Descriptor for the transaction		
Options	Sale Options	SaleOptions saleOptions Various options for sale transaction		
Config Ref	ConfigurationProvider	The name of the configuration to be used to execute this component		x
Amount	String	The billing amount of the request. This value must be greater than 0, and must match the currency format of the merchant account. Can only contain numbers and one decimal point (e.g. x.xx). Can't be greater than the maximum allowed by the processor. Contact us for your specific limit.		x
Order Id	String	Use this field to pass additional information about the transaction. On PayPal transactions, this field maps to the PayPal invoice number. PayPal invoice numbers must be unique in your PayPal business account. Maximum 255 characters or 127 for PayPal transactions.		

Name	Type	Description	Default Value	Required
Purchase Order Number	String	A Level 2 field that can be used to pass a purchase order identification value of up to 12 ASCII characters for AIB and 17 ASCII characters for all other processors.		
Device Data	String	Customer device information. Required in the following cases: - When using Advanced Fraud Tools - When creating one-time Vaulted PayPal transactions - When creating Venmo transactions This value will contain a Fraud Merchant ID as the unique, numeric identifier for a Kount account and a Device Session ID as the unique identifier for a customer device. For PayPal and Venmo transactions, this value will also include a PayPal Correlation ID. Provide the full string received from the Braintree client SDK.		
Device Session Id	String	A unique alphanumeric identifier used by our Advanced Fraud Tools to link a device to transactions.		
Discount Amount	String	A Level 3 field that specifies the discount amount that was included in the total transaction amount. It can't be negative, and it does not add to the total transaction amount.		
Tax Exempt	Boolean	A Level 2 field that indicates whether or not the transaction should be considered eligible for tax exemption. This does not affect the total transaction amount.	false	
Tax Amount	String	A Level 2 field that specifies the amount of tax that was included in the total transaction amount. The value can't be negative, and in most cases, it must be greater than zero in order to qualify for lower interchange rates. It does not add to the total transaction amount.		
Service Fee Amount	String	The portion of a sub-merchant's transaction revenue that is routed to the master merchant account. If set, this value must be greater than or equal to 0, must match the appropriate currency format, and can't exceed the transaction amount. Available to Braintree Marketplace merchants. See charging a service fee and holding funds in escrow on Braintree Marketplace transactions.		
Merchant Account Id	String	The merchant account ID used to create a transaction Currency is also determined by merchant account ID. If no merchant account ID is specified, we will use your default merchant account.		
Custom Fields	Object	A collection of custom field/value pairs. Fields and values must be formatted as strings or integers. Maximum 255 characters. You must set up each custom field in the Control Panel prior to passing it with a request. Querying this value returns a collection of custom field values stored on the transaction object.		

Name	Type	Description	Default Value	Required
Transaction Source	String	Specifies the source of the transaction. The value passed depends on whether the transaction is initiated by the merchant or the customer. If the transaction is an ecommerce transaction initiated by the customer, no value is passed. Accepted values for merchant-initiated transactions: recurring = Transactions for subsequent recurring payments (e.g. subscriptions with a fixed amount on a predefined schedule). unscheduled = Transactions for unscheduled payments that are not recurring on a predefined schedule or amount (e.g. balance top-up). Formerly merchant. Accepted values for customer-initiated transactions: recurring_first = Transactions that represent the first in a series of recurring payments or subscription. moto = Transactions that are initiated by the customer via the merchant by mail or telephone.		
Exchange Rate Quote Id	String	The ID of a previously generated exchange rate quote to be used for presentment to settlement currency conversion. An ID obtained earlier can be used to get a new quote for the same currency pair and different base amount as long as the ID has not expired.		
Sca Exemption	Enumeration, one of: • LOW_VALUE • SECURE_CORPORATE • TRANSACTION_RISK_ANALYSIS • TRUSTED_BENEFICIARY	Specifies the Secure Customer Authentication exemption that this transaction will be claiming.		
Product SKU	String	Stock keeping unit is a number (usually eight alphanumeric digits) that retailers assign to products to keep track of stock levels internally		
Previous Network Transaction Id	String	Network transaction identifier issued by the card brand network during a previous transaction. Currently only applicable for Visa payment methods. Visa provides network transaction identifiers to improve authorization approval rates for stored credential transactions.		
Vault Status	Enumeration, one of: • WILL_VAULT • VAULTED	The option indicates the vaulted status of the externally vaulted payment method. Accepted values: vaulted = Indicates the payment method is already stored on behalf of the customer. will_vault = Indicates the payment method is intended to be vaulted upon successful processing of the transaction.		
Browser	String	The User-Agent header provided by the customer's browser, which gives information about the browser. Maximum 255 characters.		
IP	String	The customer's IP address.		
Target Variable	String	The name of a variable on which the operation's output will be placed		
Target Value	String	An expression that will be evaluated against the operation's output and the outcome of that expression will be stored in the target variable	#[payload]	

Name	Type	Description	Default Value	Required
Reconnection Strategy	• Reconnect • Reconnect Forever	A retry strategy in case of connectivity errors		

Output

Type	Result

For Configurations

- Config

Throws

- BRAINTREE:AUTHENTICATION
- BRAINTREE:AUTHORIZATION
- BRAINTREE:CONNECTIVITY
- BRAINTREE:EXECUTION
- BRAINTREE:RETRY_EXHAUSTED
- BRAINTREE:TRANSACTION_NOT_FOUND

Customer - Search

`<braintree:search-customer>`

Search customer operation returns a collection of Customer response objects using the search fields

Parameters

Name	Type	Description	Default Value	Required
Configuration	String	The name of the configuration to use.		x
Customer	Search Customer	Customer search fields		
Address Fields	Array of Address Information	Customer address information to search for.		
Payment Method Fields	Array of Payment Method Information	Payment method information to search for.		
Limit	Number	Limit the number of search results. (0 for no limit)	100	
Config Ref	ConfigurationProvider	The name of the configuration to be used to execute this component		x
Target Variable	String	The name of a variable on which the operation's output will be placed		
Target Value	String	An expression that will be evaluated against the operation's output and the outcome of that expression will be stored in the target variable	#[payload]	
Reconnection Strategy	• Reconnect • Reconnect Forever	A retry strategy in case of connectivity errors		

Output

Type	Array of Customer Response

For Configurations

- Config

Throws

- BRAINTREE:AUTHENTICATION
- BRAINTREE:AUTHORIZATION
- BRAINTREE:CONNECTIVITY
- BRAINTREE:CUSTOMER_NOT_FOUND
- BRAINTREE:EXECUTION
- BRAINTREE:RETRY_EXHAUSTED

Plan - Search

`<braintree:search-plan>`

Plan Search operation will search all plans based on provided limit.

Parameters

Name	Type	Description	Default Value	Required
Configuration	String	The name of the configuration to use.		x
Limit	Number	Limit the number of search results. Set 0 for no limit.	100	
Config Ref	ConfigurationProvider	The name of the configuration to be used to execute this component		x
Target Variable	String	The name of a variable on which the operation's output will be placed		
Target Value	String	An expression that will be evaluated against the operation's output and the outcome of that expression will be stored in the target variable	# [payload]	
Reconnection Strategy	• Reconnect • Reconnect Forever	A retry strategy in case of connectivity errors		

Output

Type	Array of Plan Response

For Configurations

- Config

Throws

- BRAINTREE:AUTHENTICATION
- BRAINTREE:AUTHORIZATION
- BRAINTREE:CONNECTIVITY
- BRAINTREE:EXECUTION
- BRAINTREE:RETRY_EXHAUSTED

Subscription - Search

`<braintree:search-subscription>`

Subscription Search operation will search all subscriptions based on search criteria.

Parameters

Name	Type	Description	Default Value	Required
Configuration	String	The name of the configuration to use.		**x**
Subscription Date Range Parameter	Subscription Date Range Search Parameters	Subscription search fields through which we can search with date range		
Multiple Search Parameters	Subscription Search Multiple Parameters	Subscription search fields through which multiple values can be searched for same field.		
Limit	Number	Limit the number of search results. Set 0 for no limit.	100	
Config Ref	ConfigurationProvider	The name of the configuration to be used to execute this component		**x**
ID	String	The ID of the subscription.		
Transaction ID	String	The transaction ID associated with the subscription.		
No. of Billing Cycles Remaining	Billing Cycle	The number of billing cycles remaining in the subscription.		
No. of Days Past Due	Past Due Days	The number of days past due the subscription is.		
Price of Subscription	Subscription Price	The price of the subscription.		
In Trial Period	Boolean	Whether the subscription is in a trial period. Can be true or false. This parameter must be used in conjunction with status().	false	
Target Variable	String	The name of a variable on which the operation's output will be placed		
Target Value	String	An expression that will be evaluated against the operation's output and the outcome of that expression will be stored in the target variable	#[payload]	
Reconnection Strategy	• Reconnect • Reconnect Forever	A retry strategy in case of connectivity errors		

Output

Type	
Type	Array of Subscription

For Configurations

- Config

Throws

- BRAINTREE:AUTHENTICATION
- BRAINTREE:AUTHORIZATION

- BRAINTREE:CONNECTIVITY
- BRAINTREE:EXECUTION
- BRAINTREE:RETRY_EXHAUSTED

Transaction - Search

`<braintree:search-transaction>`

Search transaction operation returns a collection of Transaction response objects using the search fields

Parameters

Name	Type	Description	Default Value	Required
Configuration	String	The name of the configuration to use.		x
Transaction	Search Transaction	Search transaction fields		
Date Range Parameter	Date Range Parameters	Date/time range transaction parameters		
Search Parameters	Search Parameters	Search field transaction parameters		
Filter Parameters	Filter Parameters	Multiple values transaction parameters.		
Limit	Number	Limit the number of search results. Set 0 for no limit.	100	
Config Ref	ConfigurationProvider	The name of the configuration to be used to execute this component		x
Target Variable	String	The name of a variable on which the operation's output will be placed		
Target Value	String	An expression that will be evaluated against the operation's output and the outcome of that expression will be stored in the target variable	# [payload]	
Reconnection Strategy	• Reconnect • Reconnect Forever	A retry strategy in case of connectivity errors		

Output

Type	Array of Transaction Response

For Configurations

- Config

Throws

- BRAINTREE:AUTHENTICATION
- BRAINTREE:AUTHORIZATION
- BRAINTREE:CONNECTIVITY
- BRAINTREE:EXECUTION
- BRAINTREE:RETRY_EXHAUSTED
- BRAINTREE:TRANSACTION_NOT_FOUND

Transaction - Submit For Partial Settlement

```
<braintree:submit-for-partial-settlement>
```

Submit for Partial Settlement operation is used to settle multiple partial amounts against the same authorization. You can create a parent authorization for the entire order amount and when you are ready to send each portion of the order, you can charge the customer for that portion in a separate child transaction.

Parameters

Name	Type	Description	Default Value	Required
Configuration	String	The name of the configuration to use.		x
Authorized Transaction	String	The transaction ID of the parent authorization. You can only submit transactions that have a status of AUTHORIZED for partial settlement.		x
Amount	String	An amount to submit for partial settlement against the parent authorization transaction. Must be greater than 0. You can make multiple partial settlement calls as long as the cumulative amount to be partially settled is less than or equal to the amount authorized by the parent transaction.		x
Order Id	String	The unique order identifier, used to pass additional information about the transaction.		
Product SKU	String	Stock keeping unit is a number (usually eight alphanumeric digits) that retailers assign to products to keep track of stock levels internally.		
Config Ref	ConfigurationProvider	The name of the configuration to be used to execute this component		x
Target Variable	String	The name of a variable on which the operation's output will be placed		
Target Value	String	An expression that will be evaluated against the operation's output and the outcome of that expression will be stored in the target variable	# [payload]	
Reconnection Strategy	• Reconnect • Reconnect Forever	A retry strategy in case of connectivity errors		

Output

Type	Result

For Configurations

- Config

Throws

- BRAINTREE:AUTHENTICATION
- BRAINTREE:AUTHORIZATION
- BRAINTREE:CONNECTIVITY
- BRAINTREE:EXECUTION
- BRAINTREE:RETRY_EXHAUSTED
- BRAINTREE:TRANSACTION_NOT_FOUND

Transaction - Submit For Settlement

```
<braintree:submit-for-settlement>
```

Submit for Settlement operation explicitly submit the specified transaction for settlement. It collects the money from an authorized sale by submitting the transaction for settlement

Parameters

Name	Type	Description	Default Value	Required
Configuration	String	The name of the configuration to use.		x
Transaction Id	String	The unique transaction identifier. You can only submit transactions that have a status of authorized for settlement.		x
Amount	String	An amount to submit for settlement. Must be greater than 0. If you want to settle for an amount that is different from the total authorization amount, you can specify the amount to settle. If you do not specify, the entire amount will be settled.		
Order Id	String	The unique order identifier, used to pass additional information about the transaction.		
Product SKU	String	Stock keeping unit is a number (usually eight alphanumeric digits) that retailers assign to products to keep track of stock levels internally.		
Config Ref	ConfigurationProvider	The name of the configuration to be used to execute this component		x
Name	String	The value in the business name field of a customer's statement.		
Phone	String	The value in the phone number field of a customer's statement.		
Url	String	The value in the URL/web address field of a customer's statement.		
Target Variable	String	The name of a variable on which the operation's output will be placed		
Target Value	String	An expression that will be evaluated against the operation's output and the outcome of that expression will be stored in the target variable	# [payload]	
Reconnection Strategy	• Reconnect • Reconnect Forever	A retry strategy in case of connectivity errors		

Output

Type	Result

For Configurations

- Config

Throws

- BRAINTREE:AUTHENTICATION
- BRAINTREE:AUTHORIZATION
- BRAINTREE:CONNECTIVITY
- BRAINTREE:EXECUTION
- BRAINTREE:RETRY_EXHAUSTED
- BRAINTREE:TRANSACTION_NOT_FOUND

Customer - Update

`<braintree:update-customer>`

Operation to update customer. To update a customer, use its ID along with new attributes. The same validations apply as when creating a customer. Any attribute not passed will remain unchanged.

Parameters

Name	Type	Description	Default Value	Required
Configuration	String	The name of the configuration to use.		x
Customer Id	String	The customer Id to update.		x
Payment Method	Payment Card Information	A credit or debit payment method details.		
Payment Method Options	Payment Method Options	Payment method options.		
Address	Address	A billing address associated with a specific credit card. The maximum number of addresses per customer is 50.		
3D Secure	Three D Secure Pass Thru			
Config Ref	ConfigurationProvider	The name of the configuration to be used to execute this component		x
ID	String	A string value that will represent this specific customer in your Vault. 36 character maximum; must be unique within your Vault; valid characters are letters, numbers, -, and _; the words "all" and "new" currently can't be used. If not specified on creation, the gateway will generate an alphanumeric ID that can be accessed on the result. The generated IDs will never start with a leading 0 and are case insensitive.		
First Name	String	The first name. The first name value must be less than or equal to 255 characters.		
Last Name	String	The last name. The last name value must be less than or equal to 255 characters.		
Email	String	Email address composed of ASCII characters.		
Phone	String	Phone number. Maximum 255 characters.		
fax	String	Fax number. Maximum 255 characters.		
Company	String	Company name. Maximum 255 characters.		
Website	String	Website URL. Must be less than or equal to 255 characters. Website must be well-formed. The URL scheme is optional.		
Token	String	An alphanumeric value that references a specific payment method stored in your Vault. Must be less than or equal to 36 characters. If using a custom integration, you can specify what you want the token to be. If not specified, the gateway will generate one that can be accessed on the result.		
Nonce	String	One-time-use reference to payment information provided by your customer, such as a credit card or PayPal account. When passed on customer create, it creates a payment method associated with the new customer.		

Name	Type	Description	Default Value	Required
Device Data	String	Customer device information. Pass this value only if you have Advanced Fraud Tools enabled and are adding credit card data to your Vault. Be sure to provide the full string received from the Braintree.		
Custom Fields	Object	A collection of custom field/value pairs. Fields and values must be less than 255 characters. You must set up each custom field in the Control Panel prior to passing it with a request.		
Risk Data	Risk Data	Customer device information, which is sent directly to supported processors for fraud analysis. These fields are automatically populated if using Advanced Fraud Tools. Currently only available when processing American Express via Amex Direct.		
Tax Identifier	Array of Tax Identifier Request	A set of country code ID pairs, analogous to Social Security numbers in the United States. A customer may have multiple national tax identifiers in the event of multinational citizenship, but only one identifier per country code. Because tax identifiers are PII, these values are not displayed in the Control Panel or serialized on the customer response. You will only need to use these fields for processing in certain countries.		
Target Variable	String	The name of a variable on which the operation's output will be placed		
Target Value	String	An expression that will be evaluated against the operation's output and the outcome of that expression will be stored in the target variable	# [payload]	
Reconnection Strategy	• Reconnect • Reconnect Forever	A retry strategy in case of connectivity errors		

Output

Type	Result

For Configurations

- Config

Throws

- BRAINTREE:AUTHENTICATION
- BRAINTREE:AUTHORIZATION
- BRAINTREE:CONNECTIVITY
- BRAINTREE:CUSTOMER_NOT_FOUND
- BRAINTREE:EXECUTION
- BRAINTREE:RETRY_EXHAUSTED

PaymentMethod - Update

`<braintree:update-payment-method>`
Operation to update an existing payment method.

Parameters

Name	Type	Description	Default Value	Required

Name	Type	Description	Default Value	Required
Configuration	String	The name of the configuration to use.		**x**
Billing Address	Address	A billing address associated with a specific customer ID. It can be further associated with a specific payment method. The maximum number of addresses per customer is 50.		
Payment Method Details	Update Payment Method	Payment method details		**x**
Payment Method	Payment Card Information	A credit or debit payment method details.		
Payment Method Options	Update Payment Method Options	Payment method options.		
3D Secure	Three D Secure Pass Thru			
Config Ref	ConfigurationProvider	The name of the configuration to be used to execute this component		**x**
Target Variable	String	The name of a variable on which the operation's output will be placed		
Target Value	String	An expression that will be evaluated against the operation's output and the outcome of that expression will be stored in the target variable	# [payload]	
Reconnection Strategy	• Reconnect • Reconnect Forever	A retry strategy in case of connectivity errors		

Output

Type	Result

For Configurations

- Config

Throws

- BRAINTREE:AUTHENTICATION
- BRAINTREE:AUTHORIZATION
- BRAINTREE:CONNECTIVITY
- BRAINTREE:EXECUTION
- BRAINTREE:PAYMENT_METHOD_NOT_FOUND
- BRAINTREE:RETRY_EXHAUSTED

Subscription - Update

`<braintree:update-subscription>`
Subscription Update operation will update subscription.

Parameters

Name	Type	Description	Default Value	Required
Configuration	String	The name of the configuration to use.		**x**
ID	String	A string value representing a specific subscription in the Vault.		**x**
Descriptor	Descriptor	Subscription descriptor information		
Add Ons	Subscription Add On Request	Subscription add, update, remove add on detail		
Discounts	Subscription Discount Request	Subscription add, update, remove discount detail		
Update Subscription Option	Update Subscription Options	Subscription options information		
Subscription Payment Mode	One of: • Payment Method With Nonce • Payment Method With Token	Subscription payment mode information for example payment method nonce or token		
Config Ref	ConfigurationProvider	The name of the configuration to be used to execute this component		**x**
Merchant Account ID	String	The merchant account ID used to create the subscription's transactions. Currency is also determined by merchant account ID and it must match the Plan's currency.		
Number of Billing Cycles	Number	The number of billing cycles of the subscription. If this is set to a non-null value, neverExpires will be set to false as a subscription can't both have a limited number of billing cycles and never expire. This value must be greater than or equal to the value of currentBillingCycle().	0	
Price	String	The price specified for a subscription. Billing price must be formatted like 10 or 10.00. If you provide a price, it can't be an empty string. You must update the price in this parameter; updating the planId will not automatically change the price of a subscription. You can't update the price of a Past Due, Expired, or Canceled subscription. Price can't be greater than the maximum allowed by the processor.		
Never Expires	Boolean	Whether a subscription's billing cycle is set to never expire instead of running for a specific number of billing cycles. If this is set to true, numberOfBillingCycles will be set to null as a subscription can't have a limited number of billing cycles and never expire. If set to false, numberOfBillingCycles can't be null.	false	
ID	String	If this option is provided, the subscription's current ID will be replaced with the value specified. Max 36 characters; must be unique within a merchant's Vault; valid characters are letters, numbers, - and _.		
Plan ID	String	The plan identifier. Values can use only letters, numbers, -, and _. For Update Subscription, updating a plan only changes the association; we do not automatically change the price of the subscription. You can only update to a plan with the same billing cycle; at this time we do not allow you to update from a yearly plan to a monthly plan and vice versa. You can't edit the plan on a Past Due, Expired, or Canceled subscription.		
Target Variable	String	The name of a variable on which the operation's output will be placed		

Name	Type	Description	Default Value	Required
Target Value	String	An expression that will be evaluated against the operation's output and the outcome of that expression will be stored in the target variable	# [payload]	
Reconnection Strategy	• Reconnect • Reconnect Forever	A retry strategy in case of connectivity errors		

Output

Type	Result

For Configurations

- Config

Throws

- BRAINTREE:AUTHENTICATION
- BRAINTREE:AUTHORIZATION
- BRAINTREE:CONNECTIVITY
- BRAINTREE:EXECUTION
- BRAINTREE:RETRY_EXHAUSTED

Transaction - Void

`<braintree:void-transaction>`

Void Transaction operation undo a transaction before it settles. It cancels the transfer of funds before the transaction settles. You can only void transactions that have a status() of: AUTHORIZED, SUBMITTED_FOR_SETTLEMENT, SETTLEMENT_PENDING (only for certain PayPal transactions)

Parameters

Name	Type	Description	Default Value	Required
Configuration	String	The name of the configuration to use.		x
Transaction Id	String	The unique transaction identifier.		x
Config Ref	ConfigurationProvider	The name of the configuration to be used to execute this component		x
Target Variable	String	The name of a variable on which the operation's output will be placed		
Target Value	String	An expression that will be evaluated against the operation's output and the outcome of that expression will be stored in the target variable	# [payload]	
Reconnection Strategy	• Reconnect • Reconnect Forever	A retry strategy in case of connectivity errors		

Output

Type	Result

For Configurations

- Config

Throws

- BRAINTREE:AUTHENTICATION
- BRAINTREE:AUTHORIZATION
- BRAINTREE:CONNECTIVITY
- BRAINTREE:EXECUTION
- BRAINTREE:RETRY_EXHAUSTED
- BRAINTREE:TRANSACTION_NOT_FOUND

Types

Reconnection

Field	Type	Description	Default Value	Required
Fails Deployment	Boolean	When the application is deployed, a connectivity test is performed on all connectors. If set to true, deployment will fail if the test doesn't pass after exhausting the associated reconnection strategy		
Reconnection Strategy	- Reconnect - Reconnect Forever	The reconnection strategy to use		

Reconnect

Field	Type	Description	Default Value	Required
Frequency	Number	How often (in ms) to reconnect		
Blocking	Boolean	If false, the reconnection strategy will run in a separate, non-blocking thread		
Count	Number	How many reconnection attempts to make		

Reconnect Forever

Field	Type	Description	Default Value	Required
Frequency	Number	How often (in ms) to reconnect		
Blocking	Boolean	If false, the reconnection strategy will run in a separate, non-blocking thread		

Pooling Profile

Field	Type	Description	Default Value	Required

Field	Type	Description	Default Value	Required
Max Active	Number	Controls the maximum number of Mule components that can be borrowed from a session at one time. When set to a negative value, there is no limit to the number of components that may be active at one time. When maxActive is exceeded, the pool is said to be exhausted.		
Max Idle	Number	Controls the maximum number of Mule components that can sit idle in the pool at any time. When set to a negative value, there is no limit to the number of Mule components that may be idle at one time.		
Max Wait	Number	Specifies the number of milliseconds to wait for a pooled component to become available when the pool is exhausted and the exhaustedAction is set to WHEN_EXHAUSTED_WAIT.		
Min Eviction Millis	Number	Determines the minimum amount of time an object may sit idle in the pool before it is eligible for eviction. When non-positive, no objects will be evicted from the pool due to idle time alone.		
Eviction Check Interval Millis	Number	Specifies the number of milliseconds between runs of the object evictor. When non-positive, no object evictor is executed.		
Exhausted Action	Enumeration, one of: • WHEN_EXHAUSTED_GROW • WHEN_EXHAUSTED_WAIT • WHEN_EXHAUSTED_FAIL	Specifies the behavior of the Mule component pool when the pool is exhausted. Possible values are: "WHEN_EXHAUSTED_FAIL", which will throw a NoSuchElementException, "WHEN_EXHAUSTED_WAIT", which will block by invoking Object.wait(long) until a new or idle object is available, or WHEN_EXHAUSTED_GROW, which will create a new Mule instance and return it, essentially making maxActive meaningless. If a positive maxWait value is supplied, it will block for at most that many milliseconds, after which a NoSuchElementException will be thrown. If maxThreadWait is a negative value, it will block indefinitely.		
Initialisation Policy	Enumeration, one of: • INITIALISE_NONE • INITIALISE_ONE • INITIALISE_ALL	Determines how components in a pool should be initialized. The possible values are: INITIALISE_NONE (will not load any components into the pool on startup), INITIALISE_ONE (will load one initial component into the pool on startup), or INITIALISE_ALL (will load all components in the pool on startup)		

Field	Type	Description	Default Value	Required
Disabled	Boolean	Whether pooling should be disabled		

Expiration Policy

Field	Type	Description	Default Value	Required
Max Idle Time	Number	A scalar time value for the maximum amount of time a dynamic configuration instance should be allowed to be idle before it's considered eligible for expiration		
Time Unit	Enumeration, one of: • NANOSECONDS • MICROSECONDS • MILLISECONDS • SECONDS • MINUTES • HOURS • DAYS	A time unit that qualifies the maxIdleTime attribute		

Result

Field	Type	Description	Default Value	Required
Credit Card Verification	Credit Card Verification			
Errors	Validation Errors			
Message	String			
Parameters	Object			
Subscription	Subscription			
Success	Boolean			
Target	Transaction Response			
Transaction	Transaction Response			
Us Bank Account Verification	Us Bank Account Verification			

Credit Card Verification

Field	Type	Description	Default Value	Required
Amount	Number			
Avs Error Response Code	String			
Avs Postal Code Response Code	String			
Avs Street Address Response Code	String			
Billing Address	Address			

Field	Type	Description	Default Value	Required
Created At	DateTime			
Credit Card	Braintree Credit Card			
Currency Iso Code	String			
Cvv Response Code	String			
Gateway Rejection Reason	String			
Graphql Id	String			
Id	String			
Merchant Account Id	String			
Network Response Code	String			
Network Response Text	String			
Network Transaction Id	String			
Processor Response Code	String			
Processor Response Text	String			
Processor Response Type	String			
Risk Data	Risk Data			
Status	String			
Three D Secure Info	Three D Secure Info			

Address

Field	Type	Description	Default Value	Required
Company	String			
Country Code Alpha2	String			
Country Code Alpha3	String			
Country Code Numeric	String			
Country Name	String			
Created At	DateTime			
Customer Id	String			
Extended Address	String			
First Name	String			
Id	String			
Last Name	String			
Locality	String			
Postal Code	String			

Field	Type	Description	Default Value	Required
Region	String			
Street Address	String			
Updated At	DateTime			

Braintree Credit Card

Field	Type	Description	Default Value	Required
Account Type	String			
Billing Address	Address			
Bin	String			
Card Type	String			
Cardholder Name	String			
Commercial	String			
Country Of Issuance	String			
Created At	DateTime			
Customer Id	String			
Customer Location	String			
Debit	String			
Default	Boolean			
Durbin Regulated	String			
Expiration Date	String			
Expiration Month	String			
Expiration Year	String			
Expired	Boolean			
Healthcare	String			
Image Url	String			
Issuing Bank	String			
Last4	String			
Masked Number	String			
Network Tokenized	Boolean			
Payroll	String			
Prepaid	String			
Product Id	String			
Subscriptions	Array of Subscription			
Token	String			

Field	Type	Description	Default Value	Required
Unique Number Identifier	String			
Updated At	DateTime			
Venmo Sdk	Boolean			
Verification	Credit Card Verification			

Subscription

Field	Type	Description	Default Value	Required
Add Ons	Array of Add On			
Balance	Number			
Billing Day Of Month	Number			
Billing Period End Date	DateTime			
Billing Period Start Date	DateTime			
Created At	DateTime			
Current Billing Cycle	Number			
Days Past Due	Number			
Description	String			
Descriptor	Descriptor			
Discounts	Array of Discount			
Failure Count	Number			
First Billing Date	DateTime			
Has Trial Period	Boolean			
Id	String			
Merchant Account Id	String			
Never Expires	Boolean			
Next Billing Date	DateTime			
Next Billing Period Amount	Number			
Number Of Billing Cycles	Number			
Paid Through Date	DateTime			
Payment Method Token	String			
Plan Id	String			
Price	Number			
Status	String			
Status History	Array of Subscription Status Event			

Field	Type	Description	Default Value	Required
Transactions	Array of Transaction Response			
Trial Duration	Number			
Trial Duration Unit	String			
Updated At	DateTime			

Add On

Field	Type	Description	Default Value	Required
Amount	Number			
Current Billing Cycle	Number			
Description	String			
Id	String			
Kind	String			
Name	String			
Never Expires	Boolean			
Number Of Billing Cycles	Number			
Plan Id	String			
Quantity	Number			

Descriptor

Field	Type	Description	Default Value	Required
Name	String	The value in the business name field of a customer's statement.		
Phone	String	The value in the phone number field of a customer's statement.		
Url	String	The value in the URL/web address field of a customer's statement.		

Discount

Field	Type	Description	Default Value	Required
Amount	Number			
Current Billing Cycle	Number			
Description	String			
Id	String			
Kind	String			
Name	String			
Never Expires	Boolean			

Field	Type	Description	Default Value	Required
Number Of Billing Cycles	Number			
Plan Id	String			
Quantity	Number			

Subscription Status Event

Field	Type	Description	Default Value	Required
Balance	Number			
Currency Iso Code	String			
Plan Id	String			
Price	Number			
Source	String			
Status	String			
Timestamp	DateTime			
User	String			

Transaction Response

Field	Type	Description	Default Value	Required
Acquirer Reference Number	String			
Add Ons	Array of Add On			
Additional Processor Response	String			
Amount	Number			
Android Pay Details	Android Pay Details			
Apple Pay Details	Apple Pay Details			
Authorization Adjustments	Array of Authorization Adjustment			
Authorization Expires At	DateTime			
Authorized Transaction Id	String			
Avs Error Response Code	String			
Avs Postal Code Response Code	String			
Avs Street Address Response Code	String			
Billing Address	Address			
Channel	String			

Field	Type	Description	Default Value	Required
Created At	DateTime			
Credit Card	Braintree Credit Card			
Currency Iso Code	String			
Custom Fields	Object			
Customer	Customer Response			
Cvv Response Code	String			
Descriptor	Descriptor			
Disbursed	Boolean			
Disbursement Details	Disbursement Details			
Discount Amount	Number			
Discounts	Array of Discount			
Disputes	Array of Dispute			
Escrow Status	String			
Facilitated Details	Facilitated Details			
Facilitator Details	Facilitator Details			
Gateway Rejection Reason	String			
Graphql Id	String			
Id	String			
Installments	Array of Installment			
Masterpass Card Details	Masterpass Card Details			
Merchant Account Id	String			
Network Response Code	String			
Network Response Text	String			
Network Transaction Id	String			
Order Id	String			
Partial Settlement Transaction Ids	Array of String			
Pay Pal Details	Pay Pal Details			
Pay Pal Here Details	Pay Pal Here Details			
Payment Instrument Type	String			
Plan Id	String			
Processed With Network Token	Boolean			

Field	Type	Description	Default Value	Required
Processor Authorization Code	String			
Processor Response Code	String			
Processor Response Text	String			
Processor Response Type	String			
Processor Settlement Response Code	String			
Processor Settlement Response Text	String			
Purchase Order Number	String			
Recurring	Boolean			
Refund Ids	Array of String			
Refunded Installments	Array of Installment			
Refunded Transaction Id	String			
Retrieval Reference Number	String			
Risk Data	Risk Data			
Samsung Pay Card Details	Samsung Pay Card Details			
Sca Exemption Requested	String			
Service Fee Amount	Number			
Settlement Batch Id	String			
Shipping Address	Address			
Shipping Amount	Number			
Ships From Postal Code	String			
Status	String			
Status History	Array of Status Event			
Subscription Details	Subscription Details			
Subscription Id	String			
Tax Amount	Number			
Tax Exempt	Boolean			
Three D Secure Info	Three D Secure Info			
Type	String			
Updated At	DateTime			
Venmo Account Details	Venmo Account Details			

Field	Type	Description	Default Value	Required
Visa Checkout Card Details	Visa Checkout Card Details			
Voice Referral Number	String			

Android Pay Details

Field	Type	Description	Default Value	Required
Bin	String			
Card Type	String			
Commercial	String			
Country Of Issuance	String			
Debit	String			
Durbin Regulated	String			
Expiration Month	String			
Expiration Year	String			
Global Id	String			
Google Transaction Id	String			
Healthcare	String			
Image Url	String			
Is Network Tokenized	Boolean			
Issuing Bank	String			
Last4	String			
Payroll	String			
Prepaid	String			
Product Id	String			
Source Card Last4	String			
Source Card Type	String			
Source Description	String			
Token	String			
Virtual Card Last4	String			
Virtual Card Type	String			

Apple Pay Details

Field	Type	Description	Default Value	Required
Bin	String			

Field	Type	Description	Default Value	Required
Card Type	String			
Cardholder Name	String			
Commercial	String			
Country Of Issuance	String			
Debit	String			
Durbin Regulated	String			
Expiration Month	String			
Expiration Year	String			
Global Id	String			
Healthcare	String			
Image Url	String			
Issuing Bank	String			
Last4	String			
Payment Instrument Name	String			
Payroll	String			
Prepaid	String			
Product Id	String			
Source Description	String			
Token	String			

Authorization Adjustment

Field	Type	Description	Default Value	Required
Amount	Number			
Processor Response Code	String			
Processor Response Text	String			
Processor Response Type	String			
Success	Boolean			
Timestamp	DateTime			

Customer Response

Field	Type	Description	Default Value	Required
Addresses	Array of Address			
Android Pay Cards	Array of Braintree Android Pay Card			

Field	Type	Description	Default Value	Required
Apple Pay Cards	Array of Braintree Apple Pay Card			
Company	String			
Created At	DateTime			
Credit Cards	Array of Braintree Credit Card			
Custom Fields	Object			
Default Payment Method	PaymentMethodResponse			
Email	String			
Fax	String			
First Name	String			
Graphql Id	String			
Id	String			
Last Name	String			
Masterpass Cards	Array of Braintree Masterpass Card			
Pay Pal Accounts	Array of Braintree Pay Pal Account			
Payment Methods	Array of PaymentMethodResponse			
Phone	String			
Samsung Pay Cards	Array of Braintree Samsung Pay Card			
Updated At	DateTime			
Us Bank Accounts	Array of Braintree Us Bank Account			
Venmo Accounts	Array of Braintree Venmo Account			
Visa Checkout Cards	Array of Braintree Visa Checkout Card			
Website	String			

Braintree Android Pay Card

Field	Type	Description	Default Value	Required
Bin	String			
Card Type	String			
Commercial	String			
Country Of Issuance	String			

Field	Type	Description	Default Value	Required
Created At	DateTime			
Customer Id	String			
Debit	String			
Default	Boolean			
Durbin Regulated	String			
Expiration Date	String			
Expiration Month	String			
Expiration Year	String			
Google Transaction Id	String			
Healthcare	String			
Image Url	String			
Is Network Tokenized	Boolean			
Issuing Bank	String			
Last4	String			
Payroll	String			
Prepaid	String			
Product Id	String			
Source Card Last4	String			
Source Card Type	String			
Source Description	String			
Subscriptions	Array of Subscription			
Token	String			
Updated At	DateTime			
Virtual Card Last4	String			
Virtual Card Type	String			

Braintree Apple Pay Card

Field	Type	Description	Default Value	Required
Bin	String			
Card Type	String			
Cardholder Name	String			
Commercial	String			
Country Of Issuance	String			
Created At	DateTime			

Field	Type	Description	Default Value	Required
Customer Id	String			
Debit	String			
Default	Boolean			
Durbin Regulated	String			
Expiration Month	String			
Expiration Year	String			
Expired	Boolean			
Healthcare	String			
Image Url	String			
Issuing Bank	String			
Last4	String			
Payment Instrument Name	String			
Payroll	String			
Prepaid	String			
Product Id	String			
Source Description	String			
Subscriptions	Array of Subscription			
Token	String			
Updated At	DateTime			

Braintree Masterpass Card

Field	Type	Description	Default Value	Required
Billing Address	Address			
Bin	String			
Card Type	String			
Cardholder Name	String			
Commercial	String			
Country Of Issuance	String			
Created At	DateTime			
Customer Id	String			
Customer Location	String			
Debit	String			
Default	Boolean			

Field	Type	Description	Default Value	Required
Durbin Regulated	String			
Expiration Date	String			
Expiration Month	String			
Expiration Year	String			
Expired	Boolean			
Healthcare	String			
Image Url	String			
Issuing Bank	String			
Last4	String			
Masked Number	String			
Payroll	String			
Prepaid	String			
Product Id	String			
Subscriptions	Array of Subscription			
Token	String			
Unique Number Identifier	String			
Updated At	DateTime			
Venmo Sdk	Boolean			

Braintree Pay Pal Account

Field	Type	Description	Default Value	Required
Billing Agreement Id	String			
Created At	DateTime			
Customer Id	String			
Default	Boolean			
Email	String			
Image Url	String			
Payer Id	String			
Revoked At	DateTime			
Subscriptions	Array of Subscription			
Token	String			
Updated At	DateTime			

Braintree Samsung Pay Card

Field	Type	Description	Default Value	Required
Billing Address	Address			
Bin	String			
Card Type	String			
Cardholder Name	String			
Commercial	String			
Country Of Issuance	String			
Created At	DateTime			
Customer Id	String			
Customer Location	String			
Debit	String			
Default	Boolean			
Durbin Regulated	String			
Expiration Date	String			
Expiration Month	String			
Expiration Year	String			
Expired	Boolean			
Healthcare	String			
Image Url	String			
Issuing Bank	String			
Last4	String			
Masked Number	String			
Payroll	String			
Prepaid	String			
Product Id	String			
Subscriptions	Array of Subscription			
Token	String			
Unique Number Identifier	String			
Updated At	DateTime			
Venmo Sdk	Boolean			

Braintree Us Bank Account

Field	Type	Description	Default Value	Required
Account Holder Name	String			
Account Type	String			

Field	Type	Description	Default Value	Required
Ach Mandate	Ach Mandate			
Bank Name	String			
Customer Id	String			
Default	Boolean			
Image Url	String			
Is Verified	Boolean			
Last4	String			
Routing Number	String			
Subscriptions	Array of Subscription			
Token	String			
Verifications	Array of Us Bank Account Verification			

Ach Mandate

Field	Type	Description	Default Value	Required
Accepted At	DateTime			
Text	String			

Us Bank Account Verification

Field	Type	Description	Default Value	Required
Created At	DateTime			
Gateway Rejection Reason	String			
Id	String			
Processor Response Code	String			
Processor Response Text	String			
Status	String			
Us Bank Account	Braintree Us Bank Account			
Verification Determined At	DateTime			
Verification Method	String			

Braintree Venmo Account

Field	Type	Description	Default Value	Required
Created At	DateTime			
Customer Id	String			

Field	Type	Description	Default Value	Required
Default	Boolean			
Image Url	String			
Source Description	String			
Subscriptions	Array of Subscription			
Token	String			
Updated At	DateTime			
Username	String			
Venmo User Id	String			

Braintree Visa Checkout Card

Field	Type	Description	Default Value	Required
Billing Address	Address			
Bin	String			
Call Id	String			
Card Type	String			
Cardholder Name	String			
Commercial	String			
Country Of Issuance	String			
Created At	DateTime			
Customer Id	String			
Customer Location	String			
Debit	String			
Default	Boolean			
Durbin Regulated	String			
Expiration Date	String			
Expiration Month	String			
Expiration Year	String			
Expired	Boolean			
Healthcare	String			
Image Url	String			
Issuing Bank	String			
Last4	String			
Masked Number	String			
Payroll	String			

Field	Type	Description	Default Value	Required
Prepaid	String			
Product Id	String			
Subscriptions	Array of Subscription			
Token	String			
Unique Number Identifier	String			
Updated At	DateTime			
Venmo Sdk	Boolean			
Verification	Credit Card Verification			

Disbursement Details

Field	Type	Description	Default Value	Required
Disbursement Date	DateTime			
Funds Held	Boolean			
Settlement Amount	Number			
Settlement Currency Exchange Rate	Number			
Settlement Currency Iso Code	String			
Success	Boolean			
Valid	Boolean			

Dispute

Field	Type	Description	Default Value	Required
Amount	Number			
Case Number	String			
Chargeback Protection Level	String			
Created At	DateTime			
Currency Iso Code	String			
Disputed Amount	Number			
Evidence	Array of Dispute Evidence			
Graphql Id	String			
Id	String			
Kind	String			
Merchant Account Id	String			

Field	Type	Description	Default Value	Required
Opened Date	DateTime			
Original Dispute Id	String			
Paypal Messages	Array of Dispute Pay Pal Message			
Processor Comments	String			
Reason	String			
Reason Code	String			
Reason Description	String			
Received Date	DateTime			
Reference Number	String			
Reply By Date	DateTime			
Status	String			
Status History	Array of Dispute Status History			
Transaction	Dispute Transaction			
Updated At	DateTime			
Won Amount	Number			
Won Date	DateTime			

Dispute Evidence

Field	Type	Description	Default Value	Required
Category	String			
Comment	String			
Created At	DateTime			
Id	String			
Sent To Processor At	DateTime			
Sequence Number	String			
Url	String			

Dispute Pay Pal Message

Field	Type	Description	Default Value	Required
Message	String			
Sender	String			
Sent At	DateTime			

Dispute Status History

Field	Type	Description	Default Value	Required
Disbursement Date	DateTime			
Effective Date	DateTime			
Status	String			
Timestamp	DateTime			

Dispute Transaction

Field	Type	Description	Default Value	Required
Amount	Number			
Created At	DateTime			
Id	String			
Installment Count	Number			
Order Id	String			
Payment Instrument Subtype	String			
Purchase Order Number	String			

Facilitated Details

Field	Type	Description	Default Value	Required
Merchant Id	String			
Merchant Name	String			
Payment Method Nonce	String			

Facilitator Details

Field	Type	Description	Default Value	Required
Oauth Application Client Id	String			
Oauth Application Name	String			
Source Payment Method Token	String			

Installment

Field	Type	Description	Default Value	Required
Actual Disbursement Date	DateTime			
Adjustments	Array of Adjustment			
Amount	Number			

Field	Type	Description	Default Value	Required
Id	String			
Projected Disbursement Date	DateTime			

Adjustment

Field	Type	Description	Default Value	Required
Actual Disbursement Date	DateTime			
Amount	Number			
Kind	String			
Projected Disbursement Date	DateTime			

Masterpass Card Details

Field	Type	Description	Default Value	Required
Bin	String			
Card Type	String			
Cardholder Name	String			
Commercial	String			
Country Of Issuance	String			
Debit	String			
Durbin Regulated	String			
Expiration Date	String			
Expiration Month	String			
Expiration Year	String			
Healthcare	String			
Image Url	String			
Issuing Bank	String			
Last4	String			
Masked Number	String			
Payroll	String			
Prepaid	String			
Product Id	String			
Token	String			

Pay Pal Details

Field	Type	Description	Default Value	Required
Authorization Id	String			
Billing Agreement Id	String			
Capture Id	String			
Custom Field	String			
Debug Id	String			
Description	String			
Image Url	String			
Implicitly Vaulted Payment Method Global Id	String			
Implicitly Vaulted Payment Method Token	String			
Payee Email	String			
Payee Id	String			
Payer Email	String			
Payer First Name	String			
Payer Id	String			
Payer Last Name	String			
Payer Status	String			
Payment Id	String			
Refund From Transaction Fee Amount	String			
Refund From Transaction Fee Currency Iso Code	String			
Refund Id	String			
Seller Protection Status	String			
Tax Id	String			
Tax Id Type	String			
Token	String			
Transaction Fee Amount	String			
Transaction Fee Currency Iso Code	String			

Pay Pal Here Details

Field	Type	Description	Default Value	Required
Authorization Id	String			

Field	Type	Description	Default Value	Required
Capture Id	String			
Invoice Id	String			
Last4	String			
Payment Id	String			
Payment Type	String			
Refund Id	String			
Transaction Fee Amount	String			
Transaction Fee Currency Iso Code	String			
Transaction Initiation Date	String			
Transaction Updated Date	String			

Risk Data

Field	Type	Description	Default Value	Required
Decision	String			
Decision Reasons	Array of String			
Device Data Captured	Boolean			
Fraud Service Provider	String			
Id	String			
Transaction Risk Score	String			

Samsung Pay Card Details

Field	Type	Description	Default Value	Required
Bin	String			
Card Type	String			
Cardholder Name	String			
Commercial	String			
Country Of Issuance	String			
Debit	String			
Durbin Regulated	String			
Expiration Date	String			
Expiration Month	String			
Expiration Year	String			
Healthcare	String			

Field	Type	Description	Default Value	Required
Image Url	String			
Issuing Bank	String			
Last4	String			
Masked Number	String			
Payroll	String			
Prepaid	String			
Product Id	String			
Token	String			

Status Event

Field	Type	Description	Default Value	Required
Amount	Number			
Source	String			
Status	String			
Timestamp	DateTime			
User	String			

Subscription Details

Field	Type	Description	Default Value	Required
Billing Period End Date	DateTime			
Billing Period Start Date	DateTime			

Three D Secure Info

Field	Type	Description	Default Value	Required
Acs Transaction Id	String			
Cavv	String			
Ds Transaction Id	String			
Eci Flag	String			
Enrolled	String			
Liability Shift Possible	Boolean			
Liability Shifted	Boolean			
Pares Status	String			
Status	String			
Three D Secure Authenticate Info	Three D Secure Authenticate Info			

Field	Type	Description	Default Value	Required
Three D Secure Authentication Id	String			
Three D Secure Lookup Info	Three D Secure Lookup Info			
Three D Secure Server Transaction Id	String			
Three D Secure Version	String			
Xid	String			

Three D Secure Authenticate Info

Field	Type	Description	Default Value	Required
Trans Status	String			
Trans Status Reason	String			

Three D Secure Lookup Info

Field	Type	Description	Default Value	Required
Trans Status	String			
Trans Status Reason	String			

Venmo Account Details

Field	Type	Description	Default Value	Required
Image Url	String			
Source Description	String			
Token	String			
Username	String			
Venmo User Id	String			

Visa Checkout Card Details

Field	Type	Description	Default Value	Required
Bin	String			
Call Id	String			
Card Type	String			
Cardholder Name	String			
Commercial	String			
Country Of Issuance	String			
Debit	String			

Field	Type	Description	Default Value	Required
Durbin Regulated	String			
Expiration Date	String			
Expiration Month	String			
Expiration Year	String			
Healthcare	String			
Image Url	String			
Issuing Bank	String			
Last4	String			
Masked Number	String			
Payroll	String			
Prepaid	String			
Product Id	String			
Token	String			

Validation Errors

Field	Type	Description	Default Value	Required
Errors	Array of Validation Error			
Nested Errors	Array of Validation Error			

Validation Error

Field	Type	Description	Default Value	Required
Attribute	String			
Code	String			
Message	String			

Payment Card Information

Field	Type	Description	Default Value	Required
Billing Address Id	String	Provide billing address Id to use existing billing address with payment method.		
Device Data	String	Customer device information. Pass this value only if you have Advanced Fraud Tools enabled and are adding credit card data to your Vault.		
Cardholder Name	String	The name associated with the credit card. Must be less than or equal to 175 characters.		

Field	Type	Description	Default Value	Required
Number	String	Typically requires The PCI SAQ D compliance Braintree recommend using paymentMethodNonce to avoid any PCI concerns with raw credit card data being present on your server. The 12-19 digit value on a credit card consisting of a bank identification number (BIN) and primary account number (PAN).		
Cvv	String	A 3 or 4 digit card verification value assigned to a credit card. The CVV will never be stored in the gateway, but it can be provided with one-time requests to verify the card.		
Expiration Month	String	The expiration month of a credit card, formatted MM. May be used with expirationYear, and instead of expirationDate.		
Expiration Year	String	The two or four digit year associated with a credit card, formatted YYYY or YY. May be used with expirationMonth, and instead of expirationDate.		

Payment Method Options

Field	Type	Description	Default Value	Required
Fail On Duplicate Payment Method	Boolean	If this option is passed and the same payment method has already been added to the Vault for any customer, the request will fail. This option will be ignored for PayPal, Pay with Venmo, Apple Pay, Google Pay, and Samsung Pay payment methods.	false	
Token	String	An alphanumeric value that references a specific payment method stored in your Vault. Must be less than or equal to 36 characters. If using a custom integration, you can specify what you want the token to be. If not specified, the gateway will generate one that can be accessed on the result.		
Make Default	Boolean	This option makes the specified payment method the default for the customer.	false	
Verification Amount	String	Specify a non-negative amount that you want to use to verify a card. If you do not pass this option, the gateway will automatically use a verification amount of $0 or $1, depending on the processor and/or card type.		
Verification Merchant Account Id	String	Specify the merchant account ID that you want to use to verify a card. Can't be a Braintree Marketplace sub-merchant account.		
Verify Card	Boolean	If the payment method is a credit card, this option prompts the gateway to verify the card's number and expiration date. It also verifies the AVS and CVV information if you've enabled AVS and CVV rules.	false	

Field	Type	Description	Default Value	Required
Skip Advanced Fraud Checking	Boolean	If the payment method is a credit card, prevents the verification from being evaluated as part of Premium Fraud Management Tools checks (https://developer.paypal.com/braintree/docs/guides/premium-fraud-management-tools/overview). Use with caution �?? once you've skipped checks for a verification, it is not possible to run them retroactively.	false	

Three D Secure Pass Thru

Field	Type	Description	Default Value	Required
Cavv	String	Cardholder authentication verification value or CAVV. The main encrypted message issuers and card networks use to verify authentication has occurred. Mastercard uses an AVV message and American Express uses an AEVV message, each of which should also be passed in the cavv parameter.		
Ds Transaction Id	String	Transaction identifier resulting from 3D Secure 2 authentication. This field must be supplied for Mastercard Identity Check.		
Eci Flag	String	The value of the electronic commerce indicator (ECI) flag, which indicates the outcome of the 3DS authentication. Accepted values for Mastercard: 00 = Failed or not attempted 01 = Attempted 02 = Success Accepted values for all other card brands: 07 = Failed or not attempted 06 = Attempted 05 = Success		x
Three D Secure Version	String	The version of 3D Secure authentication used for the transaction. Required on Visa and Mastercard authentications. Must be composed of digits separated by periods (e.g. 1.0.2).		
Xid	String	Transaction identifier resulting from 3D Secure authentication. Uniquely identifies the transaction and sometimes required in the authorization message. Must be base64-encoded. This field will no longer be used in 3D Secure 2 authentications.		

Tax Identifier Request

Field	Type	Description	Default Value	Required

Field	Type	Description	Default Value	Required
Country Code	String	The ISO 3166-1 alpha-2 (http://en.wikipedia.org/wiki/ISO_3166-1_alpha-2) country code specified in an address. The gateway only accepts specific alpha-2 values (https://developer.paypal.com/braintree/docs/reference/general/countries#list-of-countries).		
Identifier Str	String	The Social Security number analogue for the corresponding country code.		

Trial Period

Field	Type	Description	Default Value	Required
Trial Duration	Number	The trial timeframe specified in a plan.		x
Trial Duration Unit	Enumeration, one of: • DAY • MONTH • UNRECOGNIZED	The trial unit specified in a plan. Specify day or month. Specifying a trial duration unit via the API will override the subscription's plan details.		x

Subscription Add On Request

Field	Type	Description	Default Value	Required
Add Subscription Add Ons	Add Subscription Add On Request	The collection of add-ons associated with a subscription. Add-on details can only be managed within the Control Panel. List of add-ons to add to the subscription.		
Remove Subscription Add On	Remove Subscription Add On Discount	List of add-on IDs that are inherited from the plan. IDs specified will be removed from the subscription.		
Update Subscription Add Ons	Update Subscription Add On Request	List of add-ons that are inherited from the plan.		

Add Subscription Add On Request

Field	Type	Description	Default Value	Required
Add Subscription Add On	Array of Add Subscription Add On Discount			x

Add Subscription Add On Discount

Field	Type	Description	Default Value	Required
Inherited From Id	String			x
Price	String			
Never Expires	Boolean		false	
Number Of Billing Cycles	Number		0	
Quantity	Number		1	

Remove Subscription Add On Discount

Field	Type	Description	Default Value	Required
Ids	Array of String			x

Update Subscription Add On Request

Field	Type	Description	Default Value	Required
Update Subscription Add On	Array of Update Subscription Add On Discount			x

Update Subscription Add On Discount

Field	Type	Description	Default Value	Required
Existing Id	String			x
Price	String			
Never Expires	Boolean		false	
Number Of Billing Cycles	Number		0	
Quantity	Number		1	

Subscription Discount Request

Field	Type	Description	Default Value	Required
Add Subscription Discount	Add Subscription Discount Request	A collection of discounts associated with this subscription. Discount details can only be managed within the Control Panel of Braintree.		
Remove Subscription Discount	Remove Subscription Add On Discount	List of of discount IDs that are inherited from the plan. IDs specified will be removed from the subscription.		
Update Subscription Discounts	Update Subscription Discount Request	List of of discounts that are inherited from the plan.		

Add Subscription Discount Request

Field	Type	Description	Default Value	Required
Add Subscription Discounts	Array of Add Subscription Add On Discount			x

Update Subscription Discount Request

Field	Type	Description	Default Value	Required
Update Subscription Discount	Array of Update Subscription Add On Discount			x

Create Subscription Options

Field	Type	Description	Default Value	Required
Do Not Inherit Add Ons Or Discounts	Boolean	When true, the plan's add-ons and discounts are ignored for this subscription.	false	
Start Immediately	Boolean	This option overrides a plan's details and starts the subscription immediately.	false	
Paypal Description	String	The description of the transaction that is displayed to customers in email receipts from PayPal. 127 character maximum.		

Client Token Request Options

Field	Type	Description	Default Value	Required
Customer Id	String	A string value representing an existing customer in your Vault. Passing this option allows customers to manage their vaulted payment methods via the Drop-in UI		
Merchant Account Id	String	Specify the merchant account ID that you want to use to generate the client token. If no merchant account ID is specified, Braintree will use your default merchant account.		
Version	Number	The version of the client token to generate. The default value is 2. Current supported versions are 1, 2, and 3. Please check your client-side SDKs in use before changing this value.		
Fail On Duplicate Payment Method	Boolean	If this option is passed and the same payment method has already been added to the Vault for any customer, the request will fail. This can only be passed if a customerId is passed as well. This option will be ignored for PayPal, Pay with Venmo, Apple Pay, Google Pay, and Samsung Pay payment methods.	false	
Make Default	Boolean	This option makes the specified payment method the default for the customer. This can only be passed if a customer_id is passed as well.	false	
Verify Card	Boolean	If the payment method is a credit card, this option prompts the gateway to verify the card's number and expiration date. It also verifies the AVS and CVV information if you've enabled AVS and CVV rules. This option can only be passed if a customerId is passed as well.	false	

Graph QL Response

Field	Type	Description	Default Value	Required
Response	Object			

Sale Shipping Details

Field	Type	Description	Default Value	Required
Shipping Amount	String	A Level 3 field that specifies the shipping cost on the entire transaction. It can't be negative, and it does not add to the total transaction amount.		
Ships From Postal Code	String	A Level 3 field that specifies the postal code of the shipping location.		

Sale Line Item

Field	Type	Description	Default Value	Required
Commodity Code	String	Code used to classify items purchased and track the total amount spent across various categories of products and services. Different corporate purchasing organizations may use different standards, but the United Nations Standard Products and Services Code (UNSPSC) is frequently used. Maximum 12 characters.		
Description	String	Item description. Maximum 127 characters.		
Discount Amount	Number	Discount amount for the line item. Can include up to 2 decimal places. This value can't be negative.		
Kind	Enumeration, one of: • DEBIT • CREDIT • UNRECOGNIZED	Indicates whether the line item is a debit (sale) or credit (refund) to the customer. Accepted values: - "debit" - "credit"		x
Line Name	String	Item name. Maximum 35 characters, or 127 characters for PayPal transactions.		x
Product Code	String	Product or UPC code for the item. Maximum 12 characters, or 127 characters for PayPal transactions.		
Quantity	Number	Number of units of the item purchased. Can include up to 4 decimal places. This value can't be negative or zero.		x
Tax Amount	Number	Tax amount for the line item. Can include up to 2 decimal places. This value can't be negative.		
Total Amount	Number	Quantity x unit amount. Can include up to 2 decimal places.		x

Field	Type	Description	Default Value	Required
Unit Amount	Number	Per-unit price of the item. Maximum 4 decimal places, or 2 decimal places for PayPal transactions. This value can't be negative or zero.		x
Unit Of Measure	String	The unit of measure or the unit of measure code. Maximum 12 characters.		
Unit Tax Amount	Number	Per-unit tax price of the item. Can include up to 2 decimal places. This value can't be negative or zero.		
Url	String	The URL to product information.		

Sale Options

Field	Type	Description	Default Value	Required
Hold In Escrow	Boolean	For Braintree Marketplace merchants only. This value specifies whether a transaction is held in escrow. See Escrow for more detail.	false	
Paypal Custom Field	String	Variable passed directly to PayPal via the API for your own tracking purposes. Customers do not see this value, but you can see it in reports from your PayPal console. It also appears in the Braintree Control Panel on the Transaction Detail page of the associated PayPal transaction, and in the CSV file of downloaded transaction searches. Unlike Braintree custom fields, this field does not need to be configured in the Braintree Control Panel.		
Paypal Description	String	Description of the transaction that is displayed to customers in PayPal email receipts. Max 127 characters.		
Paypal Payee Email	String	By passing the payeeEmail parameter with PayPal transaction sale requests, you can dynamically route PayPal payments to different PayPal accounts that you own. This is useful if you have a multi-currency setup with separate PayPal accounts, or if you have different accounts for different parts of your business. It represents the PayPal account email for the payee. Email address composed of ASCII characters.		

Field	Type	Description	Default Value	Required
Skip Advanced Fraud Checking	Boolean	Prevents the transaction from being sent to Kount for evaluation as part of Advanced Fraud Tools checks. Use with caution �?? once you've skipped checks for a transaction, it is not possible to run them retroactively.	false	
Skip Avs	Boolean	Skip AVS checks for the transaction. Will result in a processor response code of B for avsPostalCodeResponseCode and avsStreetAddressResponseCode, and nil for avsErrorResponseCode. Use with caution �?? once you've skipped checks for a transaction, it is not possible to run them retroactively.	false	
Skip Cvv	Boolean	Skip CVV checks for the transaction. Will result in a processor response code of B for cvvResponseCode. Use with caution �?? once you've skipped checks for a transaction, it is not possible to run them retroactively.	false	
Store In Vault On Success	Boolean	The option that determines whether the payment method associated with the successful transaction should be stored in the Vault.	false	
Store In Vault	Boolean	The option that determines whether the payment method should be stored in the Vault, regardless of the transaction's success.	false	
Submit For Settlement	Boolean	The option that determines whether an authorized transaction is submitted for settlement.	false	
Venmo Profile Id	String	Specify which Venmo business profile to use for a transaction.		

Search Customer

Field	Type	Description	Default Value	Required
Customer Fields	Array of Customer Information	Customer fields information to search for.		
Created At	Date Information	The date/time the customer was created.		
Ids	Array of String	A list of customer IDs to search for.		

Customer Information

Field	Type	Description	Default Value	Required

Field	Type	Description	Default Value	Required
Field	Enumeration, one of: • FIRST_NAME • LAST_NAME • CUSTOMER_ID • EMAIL • PHONE • FAX • COMPANY • WEBSITE			x
Operator	Enumeration, one of: • IS • IS_NOT • STARTS_WITH • ENDS_WITH • CONTAINS			x
Search String	String			x

Date Information

Field	Type	Description	Default Value	Required
Operator	Enumeration, one of: • BETWEEN • GREATER_THAN_OR_EQUAL_TO • LESS_THAN_OR_EQUAL_TO			x
Date	String			x
Max Date	String			

Address Information

Field	Type	Description	Default Value	Required
Field	Enumeration, one of: • FIRST_NAME • LAST_NAME • STREET_ADDRESS • EXTENDED_ADDRESS • LOCALITY • REGION • POSTAL_CODE • COUNTRY_NAME	Search address field		x
Operator	Enumeration, one of: • IS • IS_NOT • STARTS_WITH • ENDS_WITH • CONTAINS	Search operator		x
Search String	String	Search value		x

Payment Method Information

Field	Type	Description	Default Value	Required

Field	Type	Description	Default Value	Required
Field	Enumeration, one of: • CARDHOLDER_NAME • PAYMENT_METHOD_TOKEN • PAYPAL_ACCOUNT_EMAIL • CREDIT_CARD_NUMBER • EXPIRATION_DATE	Search payment method field		x
Operator	Enumeration, one of: • IS • IS_NOT • STARTS_WITH • ENDS_WITH • CONTAINS	Search operator		x
Search String	String	Search value		x

Plan Response

Field	Type	Description	Default Value	Required
Add Ons	Array of Add On			
Billing Day Of Month	Number			
Billing Frequency	Number			
Created At	DateTime			
Currency Iso Code	String			
Description	String			
Discounts	Array of Discount			
Id	String			
Merchant Id	String			
Name	String			
Number Of Billing Cycles	Number			
Price	Number			
Trial Duration	Number			
Trial Duration Unit	String			
Trial Period	Boolean			
Updated At	DateTime			

Subscription Date Range Search Parameters

Field	Type	Description	Default Value	Required
Created Time	Subscription Date Range	The date/time range when the subscription was created.		
Next Billing Date	Subscription Date Range	The date the subscription will next be billed.		

Subscription Date Range

Field	Type	Description	Default Value	Required
Operator	Enumeration, one of: • BETWEEN • GREATER_THAN_OR_EQUAL_TO • LESS_THAN_OR_EQUAL_TO			x
From Date	String			x
To Date	String			

Subscription Search Multiple Parameters

Field	Type	Description	Default Value	Required
Ids	Array of String	A list of subscription IDs to search for.		
Merchant Account Ids	Array of String	A list of merchant account IDs to search for.		
Plan Ids	Array of String	A list of plan IDs to search for.		
Subscription Status List	Array of Subscription Status	List of the subscription status.		

Subscription Status

Field	Type	Description	Default Value	Required
Status	Enumeration, one of: • ACTIVE • CANCELED • EXPIRED • PAST_DUE • PENDING • UNRECOGNIZED			

Billing Cycle

Field	Type	Description	Default Value	Required
Operator	Enumeration, one of: • IS • BETWEEN • GREATER_THAN_OR_EQUAL_TO • LESS_THAN_OR_EQUAL_TO	Range parameter operator for searching billing cycles remaining.		x
Min Number Of Billing Cycles Remaining	String	No. of Billing Cycles Remaining in search subscription. For BETWEEN operator, it is the minimum no. of billing cycles remaining.		x
Max Number Of Billing Cycles Remaining	String	It is only required for BETWEEN operator and it is the maximum no. of billing cycles remaining with between operator.		

Past Due Days

Field	Type	Description	Default Value	Required
Operator	Enumeration, one of: • IS • BETWEEN • GREATER_THAN_OR_EQUAL_TO • LESS_THAN_OR_EQUAL_TO	Range parameter operator for searching past due days in subscription search.		x
Min Past Due Days	String	No. of Days Past Due in search subscription. For BETWEEN operator, it is the minimum no. of days past due the subscription is.		x
Max Past Due Days	String	It is only required for BETWEEN operator and it is the maximum no. of days past due with between operator.		

Subscription Price

Field	Type	Description	Default Value	Required
Operator	Enumeration, one of: • IS • BETWEEN • GREATER_THAN_OR_EQUAL_TO • LESS_THAN_OR_EQUAL_TO	Operator for Range parameter for search subscription.		x
Min Price	String	Price of the subscription in search subscription. For BETWEEN operator, it is the minimum price of subscription. Provide price in x.xx format. Example: 5000.00		x
Max Price	String	It is only required for BETWEEN operator and it is the maximum price of subscription with between operator. Provide price in x.xx format. Example: 5000.00		

Search Transaction

Field	Type	Description	Default Value	Required
Amount	Amount	The amount of the transaction. The amount must be formatted like xx or x.xx.		
Ids	Array of String	The list of transaction IDs to search for.		
Merchant Account Ids	Array of String	The merchant account IDs associated with transactions.		
Transaction Is A Refund	Boolean	Specifies whether transaction is a refund	false	
Store Id	String	Store Id.		
Store Ids	Array of String	The store IDs associated with transactions.		

Amount

Field	Type	Description	Default Value	Required
Operator	Enumeration, one of: • IS • BETWEEN • GREATER_THAN_OR_EQUAL_TO • LESS_THAN_OR_EQUAL_TO			x
Min Amount	String			x
Max Amount	String			

Date Range Parameters

Field	Type	Description	Default Value	Required
Authorization Expired At	Date Range	The date/time the transaction's authorization expired.		
Authorized At	Date Range	The date/time the transaction was authorized.		
Transaction Created At	Date Range	The date/time at which the transaction was created.		
Disbursement Date	Date Range	The date the transaction was disbursed to your bank account. This field does not include a time value.		
Dispute Date	Date Range	The date the transaction was disputed. This field does not include a time value.		
Failed At	Date Range	The date/time the transaction failed.		
Gateway Rejected At	Date Range	The date/time the transaction was rejected by the gateway.		
Processor Declined At	Date Range	The date/time the transaction was declined by the processor		
Settled At	Date Range	The date/time the transaction finished settling.		
Submitted For Settlement At	Date Range	The date/time the transaction was submitted for settlement.		
Voided At	Date Range	The date/time the transaction was voided.		

Date Range

Field	Type	Description	Default Value	Required
Operator	Enumeration, one of: • BETWEEN • GREATER_THAN_OR_EQUAL_TO • LESS_THAN_OR_EQUAL_TO			x
Date	String			x
To Date	String			

Search Parameters

Field	Type	Description	Default Value	Required
Transaction Informations	Array of Transaction Information	Transaction information parameters.		
Settlement Informations	Array of Settlement Information	Parameters for Transaction settlement.		
Payment Informations	Array of Payment Information	Parameters for Transaction's Payment Method.		
Customer Informations	Array of Customer Information	Customer information parameters.		
Billing Address Informations	Array of Billing Address Information	Parameters for Transaction's billing address.		
Shipping Address Informations	Array of Shipping Address Information	Parameters for Transaction's shipping address.		

Transaction Information

Field	Type	Description	Default Value	Required
Field	Enumeration, one of: • TRANSACTION_ID • CURRENCY • ORDER_ID • PROCESSOR_AUTHORIZATION_CODE • STORE_ID			x
Operator	Enumeration, one of: • IS • IS_NOT • STARTS_WITH • ENDS_WITH • CONTAINS			x
Search String	String			x

Settlement Information

Field	Type	Description	Default Value	Required
Field	Enumeration, one of: • SETTLEMENT_BATCH_ID			x
Operator	Enumeration, one of: • IS • IS_NOT • STARTS_WITH • ENDS_WITH • CONTAINS			x
Search String	String			x

Payment Information

Field	Type	Description	Default Value	Required

Field	Type	Description	Default Value	Required
Field	Enumeration, one of: • CARDHOLDER_NAME • CREDIT_CARD_UNIQUE_IDENTIFIER • PAYMENT_METHOD_TOKEN • PAYPAL_ACCOUNT_PAYER_EMAIL • PAYPAL_ACCOUNT_PAYMENT_ID • PAYPAL_ACCOUNT_AUTHORIZATION_ID • EXPIRATION_DATE • CREDIT_CARD_NUMBER			x
Operator	Enumeration, one of: • IS • IS_NOT • STARTS_WITH • ENDS_WITH • CONTAINS			x
Search String	String			x

Billing Address Information

Field	Type	Description	Default Value	Required
Field	Enumeration, one of: • BILLING_FIRST_NAME • BILLING_LAST_NAME • BILLING_COMPANY • BILLING_STREET_ADDRESS • BILLING_EXTENDED_ADDRESS • BILLING_LOCATITY • BILLING_REGION • BILLING_POSTAL_CODE • BILLING_COUNTRY_NAME			x
Operator	Enumeration, one of: • IS • IS_NOT • STARTS_WITH • ENDS_WITH • CONTAINS			x
Search String	String			x

Shipping Address Information

Field	Type	Description	Default Value	Required
Field	Enumeration, one of: • SHIPPING_FIRST_NAME • SHIPPING_LAST_NAME • SHIPPING_COMPANY • SHIPPING_STREET_ADDRESS • SHIPPING_EXTENDED_ADDRESS • SHIPPING_LOCATITY • SHIPPING_REGION • SHIPPING_POSTAL_CODE • SHIPPING_COUNTRY_NAME			x

Field	Type	Description	Default Value	Required
Operator	Enumeration, one of: • IS • IS_NOT • STARTS_WITH • ENDS_WITH • CONTAINS			x
Search String	String			x

Filter Parameters

Field	Type	Description	Default Value	Required
Types	Array of Transaction Type	The list of transaction types to search for.		
Statuses	Array of Transaction Status	The list of statuses to search for.		
Transaction Sources	Array of Transaction Source	The list of sources of transaction i.e how transaction was created		
Transaction Card Types	Array of Transaction Card Type	The list of different types of credit card.		
Payment Instrument Types	Array of Payment Instrument Type	The list of payment methods used to process the transaction.		
Transactions Created Using	Array of Transaction Created Using	The list of data used to create the transaction.		
Customer Locations	Array of Transaction Customer Location	The list of the customer location in the transaction.		

Transaction Type

Field	Type	Description	Default Value	Required
Transaction Type	Enumeration, one of: • SALE • CREDIT			

Transaction Status

Field	Type	Description	Default Value	Required
Status	Enumeration, one of: • AUTHORIZING • AUTHORIZED • AUTHORIZATION_EXPIRED • SUBMITTED_FOR_SETTLEMENT • SETTLING • SETTLEMENT_PENDING • SETTLEMENT_DECLINED • SETTLED • VOIDED • PROCESSOR_DECLINED • GATEWAY_REJECTED • FAILED			

Transaction Source

Field	Type	Description	Default Value	Required
Transaction Source	Enumeration, one of: • API • CONTROL_PANEL • RECURRING			

Transaction Card Type

Field	Type	Description	Default Value	Required
Card Type	Enumeration, one of: • AMERICAN_EXPRESS • DISCOVER • MAESTRO • JCB • MASTER_CARD • UNION_PAY • VISA			

Payment Instrument Type

Field	Type	Description	Default Value	Required
Payment Instrument Type	Enumeration, one of: • ANDROID_PAY_CARD • APPLE_PAY_CARD • CREDIT_CARD • MASTERPASS_CARD • PAYPAL_ACCOUNT • SAMSUNG_PAY_CARD • US_BANK_ACCOUNT • VENMO_ACCOUNT • VISA_CHECKOUT_CARD			

Transaction Created Using

Field	Type	Description	Default Value	Required
Transaction Created Using	Enumeration, one of: • TOKEN • FULL_INFORMATION			

Transaction Customer Location

Field	Type	Description	Default Value	Required
Customer Location	Enumeration, one of: • INTERNATIONAL • US			

Update Payment Method

Field	Type	Description	Default Value	Required

Field	Type	Description	Default Value	Required
Token	String	The alphanumeric value that references a specific payment method stored in your Vault.		x
Update Existing	Boolean	Update the billing address associated with the payment method token specified. Other payment methods associated with the same billing address will have their addresses updated, as well.	false	
Payment Method Nonce	String	One-time-use reference to new card details provided by your customer. Can only be used on payment method update if the payment method type is a card; other payment method types do not allow their details to be updated.		
New Token	String	If provided, updates the token for the payment method.		

Update Payment Method Options

Field	Type	Description	Default Value	Required
Make Default	Boolean	This option makes the specified payment method the default for the customer.	false	
Verification Amount	String	Specify a non-negative amount that you want to use to verify a card. If you do not pass this option, the gateway will automatically use a verification amount of $0 or $1, depending on the processor and/or card type.		
Verification Merchant Account Id	String	Specify the merchant account ID that you want to use to verify a card. Can't be a Braintree Marketplace sub-merchant account.		
Verify Card	Boolean	If the payment method is a credit card, this option prompts the gateway to verify the card's number and expiration date. It also verifies the AVS and CVV information if you've enabled AVS and CVV rules.	false	
Skip Advanced Fraud Checking	Boolean	If the payment method is a credit card, prevents the verification from being evaluated as part of Premium Fraud Management Tools checks (https://developer.paypal.com/braintree/docs/guides/premium-fraud-management-tools/overview). Use with caution �?? once you've skipped checks for a verification, it is not possible to run them retroactively.	false	

Update Subscription Options

Field	Type	Description	Default Value	Required
Prorate Charges	Boolean	A flag that specifies whether the change in subscription price should be prorated.	false	

Field	Type	Description	Default Value	Required
Replace All Add Ons And Discounts	Boolean	When set to true, the plan's add-ons and discounts are removed, setting the value to 0. This parameter can also be used in conjunction with the add parameters to replace a plan's existing add-ons and discounts with those specified.	false	
Revert Subscription On Proration Failure	Boolean	By default, if the transaction for the prorated amount fails, the subscription is reverted. If you would like to continue with the update to the subscription and add the prorated amount to the balance even though the transaction failed, you should set this field to false.	false	
Paypal Description	String	The description of the transaction that is displayed to customers in email receipts from PayPal. 127 character maximum.		

Existing Customer

Field	Type	Description	Default Value	Required
Customer Id	String	A string value representing an existing customer in your Vault that you want to change.		

New Customer

Field	Type	Description	Default Value	Required
Id	String	A string value that will represent this specific customer in your Vault. 36 character maximum; must be unique within your Vault; valid characters are letters, numbers, -, and _; the words "all" and "new" currently can't be used. If not specified on creation, the gateway will generate an alphanumeric ID that can be accessed on the result. The generated IDs will never start with a leading 0 and are case insensitive.		
Customer First Name	String	The first name. The first name value must be less than or equal to 255 characters.		
Customer Last Name	String	The last name. The last name value must be less than or equal to 255 characters.		
Email	String	Email address composed of ASCII characters.		
Phone	String	Phone number. Maximum 255 characters.		

Field	Type	Description	Default Value	Required
Fax	String	Fax number. Maximum 255 characters.		
Company	String	Company name. Maximum 255 characters.		
Website	String	Website URL. Must be less than or equal to 255 characters. Website must be well-formed. The URL scheme is optional.		
Token	String	An alphanumeric value that references a specific payment method stored in your Vault. Must be less than or equal to 36 characters. If using a custom integration, you can specify what you want the token to be. If not specified, the gateway will generate one that can be accessed on the result.		
Nonce	String	One-time-use reference to payment information provided by your customer, such as a credit card or PayPal account. When passed on customer create, it creates a payment method associated with the new customer.		
Device Data	String	Customer device information. Pass this value only if you have Advanced Fraud Tools enabled and are adding credit card data to your Vault. Be sure to provide the full string received from the Braintree.		
Custom Fields	Object	A collection of custom field/value pairs. Fields and values must be less than 255 characters. You must set up each custom field in the Control Panel prior to passing it with a request.		
Risk Data	Risk Data	Customer device information, which is sent directly to supported processors for fraud analysis. These fields are automatically populated if using Advanced Fraud Tools. Currently only available when processing American Express via Amex Direct.		
Tax Identifier Requests	Array of Tax Identifier Request	A set of country code ID pairs, analogous to Social Security numbers in the United States. A customer may have multiple national tax identifiers in the event of multinational citizenship, but only one identifier per country code. Because tax identifiers are PII, these values are not displayed in the Control Panel or serialized on the customer response. You will only need to use these fields for processing in certain countries.		

Existing Billing Address

Field	Type	Description	Default Value	Required
Billing Address Id	String	The two-letter value for an address associated with a specific customer ID. The maximum number of addresses per customer is 50.		

New Billing Address

Field	Type	Description	Default Value	Required
Add Billing Address To Payment Method	Boolean	The option that determines whether the billing address information provided in the request should be added to the payment method specified. This option works only for new payment methods.	false	
First Name	String	The first name. Maximum 255 characters.		
Last Name	String	The last name. Maximum 255 characters.		
Company	String	Company name. Maximum 255 characters.		
Country Code Alpha2	String	The ISO 3166-1 alpha-2 country code specified in an address. The gateway only accepts specific alpha-2 values.		
Country Code Alpha3	String	The ISO 3166-1 alpha-3 country code specified in an address. The gateway only accepts specific alpha-3 values.		
Country Code Numeric	String	The ISO 3166-1 numeric country code specified in an address. The gateway only accepts specific numeric values.		
Country Name	String	The country name specified in an address.		
Street Address	String	The street address. Maximum 255 characters.		
Region	String	The state or province. Maximum 255 characters.		
Extended Address	String	The extended address information - such as apartment or suite number. 255 character maximum.		
Locality	String	The locality/city. Maximum 255 characters.		
Postal Code	String	The postal code. Postal code must be a string of 4-9 alphanumeric characters, optionally separated by a dash or a space. Spaces and hyphens are ignored.		
Phone Number	String	Phone Number. Maximum 255 characters.		

Existing Shipping Address

Field	Type	Description	Default Value	Required

Field	Type	Description	Default Value	Required
Shipping Address Id	String	A shipping address associated with a specific customer ID. The maximum number of addresses per customer is 50.		

New Shipping Address

Field	Type	Description	Default Value	Required
Store Shipping Address In Vault	Boolean	The option that determines whether the shipping address information provided with the transaction should be associated with the customer ID specified. When passed, the payment method will always be stored in the Vault. If there is already a shipping address associated with the customer, this parameter will not replace the existing information; an additional address will be stored instead. You can associate up to 50 addresses with a single customer ID.	false	
Shipping Method	Enumeration, one of: - ELECTRONIC - GROUND - NEXT_DAY - PRIORITY - SAME_DAY - SHIP_TO_STORE	The option that determines shipping method		
First Name	String	The first name. Maximum 255 characters.		
Last Name	String	The last name. Maximum 255 characters.		
Company	String	Company name. Maximum 255 characters.		
Country Code Alpha2	String	The ISO 3166-1 alpha-2 country code specified in an address. The gateway only accepts specific alpha-2 values.		
Country Code Alpha3	String	The ISO 3166-1 alpha-3 country code specified in an address. The gateway only accepts specific alpha-3 values.		
Country Code Numeric	String	The ISO 3166-1 numeric country code specified in an address. The gateway only accepts specific numeric values.		
Country Name	String	The country name specified in an address.		
Street Address	String	The street address. Maximum 255 characters.		
Region	String	The state or province. Maximum 255 characters.		
Extended Address	String	The extended address information - such as apartment or suite number. 255 character maximum.		
Locality	String	The locality/city. Maximum 255 characters.		

Field	Type	Description	Default Value	Required
Postal Code	String	The postal code. Postal code must be a string of 4-9 alphanumeric characters, optionally separated by a dash or a space. Spaces and hyphens are ignored.		
Phone Number	String	Phone Number. Maximum 255 characters.		

Payment Method Nonce

Field	Type	Description	Default Value	Required
Sale Payment Method Nonce	String	One-time-use reference to payment information provided by your customer, such as a credit card or PayPal account. Can be passed instead of a paymentMethodToken parameter.		x
Three D Secure Required	Boolean	Options for 3D Secure verification. Can only be used when the payment method nonce parameter is present. Specify whether to require 3D Secure verification to succeed before creating a transaction. Defaults to true for all transactions sent through 3D Secure verification unless you explicitly pass false. For more information, see 3D Secure advanced server-side options.	true	

Payment Method Token

Field	Type	Description	Default Value	Required
Sale Payment Method Token	String	An alphanumeric value that references a specific payment method stored in your Vault. Must be less than or equal to 36 characters. If using a custom integration, you can specify what you want the token to be. If not specified, the gateway will generate one that can be accessed on the result. If using our Drop-in UI with a customer ID to vault payment methods, you can't specify your own token.		x
Three D Secure Authentication Id	String	ID of the 3D Secure authentication performed for this transaction. Do not provide this field if you are using a nonce for this transaction that is 3D Secure enriched. A payment method token can be used instead of a payment method nonce if you provide the 3D Secure authentication via an authentication ID.		

Card Details

Field	Type	Description	Default Value	Required

Field	Type	Description	Default Value	Required
Payment Reader Card Details Request	Payment Reader Card Details Request	Payment Reader Card Details Request		
Payment Method Token	String	An alphanumeric value that references a specific payment method stored in your Vault. Must be less than or equal to 36 characters. If using a custom integration, you can specify what you want the token to be. If not specified, the gateway will generate one that can be accessed on the result.		
Cardholder Name	String	The name associated with the credit card. Must be less than or equal to 175 characters.		
Number	String	Typically requires The PCI SAQ D compliance Braintree recommend using paymentMethodNonce to avoid any PCI concerns with raw credit card data being present on your server. The 12-19 digit value on a credit card consisting of a bank identification number (BIN) and primary account number (PAN).		
Cvv	String	A 3 or 4 digit card verification value assigned to a credit card. The CVV will never be stored in the gateway, but it can be provided with one-time requests to verify the card.		
Expiration Month	String	The expiration month of a credit card, formatted MM. May be used with expirationYear, and instead of expirationDate.		
Expiration Year	String	The two or four digit year associated with a credit card, formatted YYYY or YY. May be used with expirationMonth, and instead of expirationDate.		

Payment Reader Card Details Request

Field	Type	Description	Default Value	Required
Encrypted Card Data	String			x
Key Serial Number	String			x

Payment Method With Nonce

Field	Type	Description	Default Value	Required

Field	Type	Description	Default Value	Required
Subscription Payment Method Nonce	String	One-time-use reference to a payment method provided by your customer, such as a credit card or PayPal account. A payment method must be vaulted before you can associate it with a subscription, so it's usually simplest to refer to the payment method using its paymentMethodToken. However, there are cases where you can pass a payment method nonce instead of a payment method token.		x

Payment Method With Token

Field	Type	Description	Default Value	Required
Subscription Payment Method Token	String	An alphanumeric value that references a specific payment method stored in your Vault. It is required when creating a subscription unless you pass a paymentMethodNonce() instead, which can be done under certain circumstances.		x

Last updated 2022-08-22 10:28:08 +05:30