

# Accertify Fraud Check JSON Data Fields

Available for integration with Braintree Payments and Eway. For more information on this integration, go to the [Accertify website](#).

## Accertify API Integration Basics

- **Data Transport Method:** HTTPS POST
- **Data:** JSON
- **Authentication:** Basic Authentication sent in base64-encoded and include as part of HTTPS header message
- **Actions: Post-authorisation** - transactions that have already been authorised by the payment provider, e.g., Braintree.
- **Fraud API Version:** 1.0

## Fraud Check Request Data

```
{
  "transaction": {
    "transactionId": "1a31d278-b8e3-4375-bd5a-531215f8ca3e",
    "transactionType": "Post-Authorization",
    "transactionDateTime": "2022-07-04T14:47:15+10:00",
    "cartId": "100104012",
    "transactionTotalAmount": 660.08,
    "taxAmount": 60.01,
    "salesChannel": "Web",
    "websiteUrl": "https://www.commercevision.business",
    "ipAddress": "139.216.143.154",
    "currencyCode": "AUD",
    "isGift": "False",
    "billing": {
      "billingFirstName": "Jane",
      "billingLastName": "Smith",
      "billingCompanyName": "CV Customer Ltd",
      "billingEmailAddress": "jane.smth.cv@gmail.com",
      "billingAddress": "Factory 1 6000 Kevlar St",
      "billingCity": "Melbourne",
      "billingStateCode": "VIC",
      "billingPostalCode": "3195",
      "billingCountryCode": "AU",
      "billingPhoneNumber": "0401341205",
      "billingPhoneNumberCountryCode": "0061",
      "primaryPaymentType": "Credit Card",
      "purchaseType": "Physical Items",
      "cards": {
        "card": [
          {
            "cardholderName-D": "Jane Smith",
            "cardNumber-D": "433687*****3000",
            "binIin-D": "433687",
            "cardAuthorizedAmount-D": 660.08,
            "cardExpireDate-D": "08-24",
            "cardAuthorizationDate-D": "2022-07-04T04:47:14Z",
            "isPre-AuthorizationReject-D": "False",
            "cardAvsResponse-D": "Matched",
            "cardCvvResponse-D": "Matched"
          }
        ]
      }
    }
  },
  "items": {
    "item": [
      {
        "itemNumber-D": "CV103",
        "itemDescription-D": "Weights Machine",
        "itemAmount-D": 660.08,

```

### On this page:

- [Accertify API Integration Basics](#)
- [Fraud Check Request Data](#)
  - [JSON Data Fields](#)
    - [Transaction details](#)
    - [Billing \(object\)](#)
    - [If PrimaryPaymentType = Credit Card, Debit Card, Virtual Card](#)
    - [If PrimaryPaymentType = eWallet](#)
    - [If PrimaryPaymentType = Giftcard](#)
    - [Items Purchased](#)
    - [Shipping](#)
    - [Device Info](#)
    - [Accertify Results](#)
  - [Additional Information](#)
    - [Minimum Version Requirements](#)
- [Related help](#)

```

        "itemQuantity-D": 2,
        "itemBrandName-D": "",
        "itemCategory-D": "Fitness",
        "productCondition-D": "New",
        "isGiftCardPurchased-D": "False"
    }
}
},
"shippings": {
    "shipping": [
        {
            "shippingFirstName-D": "Jane",
            "shippingLastName-D": "Smith",
            "shippingBusinessName-D": "CV Customer Pty Ltd",
            "shippingLocationType-D": "Business",
            "shippingAddress-D": "Factory 1 6000 Kevlar St",
            "shippingCity-D": "Melbourne",
            "shippingStateCode-D": "VIC",
            "shippingPostalCode-D": "3195",
            "shippingCountryCode-D": "AU",
            "shippingPhoneNumber-D": "0433341240",
            "shippingPhoneNumberCountryCode-D": "0061",
            "shippingEmailAddress-D": "jane.smth.cv@gmail.com",
            "shippingCompany-D": "CNC_1",
            "shippingMethod-D": "Other",
            "deliveryFeeType-D": "Other",
            "pickupVerificationMethod-D": "ID Card"
        }
    ]
},
"deviceInfo": {
    "deviceTransactionId": "DID-b49aa724-bba4-4e48-bea5-8359ce8203d3"
},
"actionCode": "Review"
}
}

```

## JSON Data Fields

**Must a field be sent?** R = Required; O = Optional; CR = Conditionally Required

### Transaction details

Field	CV field	Format	Description	Value	R, O or CR
transaction	n/a	array	An array containing the basic payment transaction data	"transaction": {                         "transactionId": "1a31d278-b8e3-4375-bd5a-531215f8ca3e",                         "transactionType": "Post-Authorization",                         "transactionDateTime": "2022-07-04T14:47:15+10:00",                         "cartId": "100104012",                         "transactionTotalAmount": 660.08,                         "taxAmount": 60.01,                         "salesChannel": "Web",                         "websiteUrl": "https://www.commercevision.business",                         "ipAddress": "139.216.143.154",                         "currencyCode": "AUD",                         "isGift": "False",                     }	R

transactionId	TransactionID	string	Guid generated to uniquely identify Accertify transaction.		R
transactionType	n/a	string	Send transaction to Accertify before or after authorisation with payment provider/bank. <b>Note:</b> only post-authorisation available.	Default: Post-Authorization	R
transactionDateTime	Datetime.Now	datetime	Generated date and time of transaction. In RFC3339 format: yyyy-MM-dd'T'HH:mm:ssXXX <b>Note:</b> no future dates accepted.	Example: 2022-03-11T17:07:24-07:00	R
cartId	SoOrderNo	string	Order number generated on website for the session.		O
transactionTotalAmount	order. OrderTotalAmount	decimal	Total amount of transaction, including shipping and taxes, in local currency.		R
taxAmount	OrderTotalTax	decimal	Tax amount for the transaction, in local currency.		O
salesChannel	SalesChannel.Web	string	Sales channel where transaction took place.	Options: Call Centre, Kiosk, Web, Mobile App, Other Default: Web	R
websiteURL	SystemControl.Live. WebSiteURL	string	URL of website that captured the transaction. max. = 2048 char		O
ipAddress	Util. RequestIpAddress	string	User's IP captured in IPv4 or IPv6 formats.  Required for channels: Kiosk, Mobile App, Web, Other	Examples: <ul style="list-style-type: none"><li>IPv4: 10.12.12.123</li><li>IPv6: 2001:0db8:85a3:0000:0000:8a2e:0370:7334</li></ul>	CR
currencyCode	order.Customer. CurrencyCodeToUse	string	User's local currency in ISO 4217 format.  3 character alpha code.	Example: AUD	R
isGift		string	Whether transaction was marked as a gift.	Default: False  Options: True, False	O

## Billing (object)

Contains billing array and payment type details.

Data	CV Field	Format	Description	Value	R, O or CR
billing	n/a	object	Array introducing the purchaser's name, billing address, order delivery address and some captured payment details	<pre>"Billing": {   "billingFirstName": "Andrew",   "billingLastName": "Chia",   "billingCompanyName": "CV Customer",   "billingEmailAddress": "info@cvcustomer.com.au",   "billingAddress": "6000 Kevlar St",   "billingCity": "Dandenong North",   "billingStateCode": "VIC",   "billingPostalCode": "3175",   "billingCountryCode": "AU",   "billingPhoneNumber": "0430924121",   "billingPhoneNumberCountryCode": "0061",   "primaryPaymentType": "Credit Card",   "purchaseType": "Physical Items", }</pre>	R

billingFirstName	order.SoOrderingUser.FirstName  Fallback: PSO. GetNamesForOrder()	string	Billing first name entered for the order. If Sales Order User First Name unavailable,		R
billingLastName	order.SoOrderingUser.Surname  Fallback: order. GetNamesForOrder	string	Billing last name entered for the order. If Sales Order User Surname unavailable, name is		R
billingEmailAddress	order. EmailAddressForGuestUser / user.ValidEmailAddress	string	If guest order, use email address entered for guest user; if logged in user, use new or saved email address.		R
billingAddress	order.SoBillAddr2 order. SoDelAddr2 user.SoBillAddr2	30 character string	Street number and name of billing address entered. If no billing address, falls back to delivery address, then user's saved address.		R
billingAddressLine2	Fall back in ascending order:  order.SoBillAddr2 order. SoDelAddr2 user.SoBillAddr2	30 character string			O
billingCity	order.SoBillSuburb order. SoDelSuburb user. SoBillSuburb	string	Billing city, town or suburb entered. If data from this field is unavailable or invalid, falls back to that entered for delivery address, then user's saved suburb/town.		R
billingStateCode	order.SoBillState order. SoDelState user.SoBillState	string	State, territory or region code in ISO 3166-2. From 2-5 characters.  <b>Note:</b> Required if used in the billing CountryCode.	For Australia: ACT, NSW, NT, QLD, SA, TAS, VIC, WA	CR
billingPostalCode	order.SoBillPostcode order. SoDelPostcode user. SoBillPostcode	string			R
billingCountryCode	soBillCountry  Currently hard-coded.	string	Two digit (ISO-3166-1) country code for billing address. Example: AU		R
billingPhoneNumber	<b>Note:</b> Currently hard-coded.  order.ContactPhoneNumber order.DelPhone user. PhoneNumber	integer	Billing phone number entered. Must exclude Phone country code. <b>Numeric only, max. = 25, no spaces</b> or special characters.		R
billingPhoneNumberCountryCode	Currently hard-coded.  <b>Note:</b> May need 3rd party dll to identify phone country number and code.	string	Country code of billing phone number.	Example: '0061'	R
primaryPaymentType		string	Purchaser's primary method of payment.	Credit Card, Debit Card, Virtual Card, Gift Card, eWallet	R
purchaseType		string	Type of items purchased. If order contains a mixture, 'Physical Items' will default.  <b>Note:</b> currently only 'Physical Items' and 'Digital Items' supported.	Options: Physical Items, Digital Items, Services, Other	R

### If PrimaryPaymentType = Credit Card, Debit Card, Virtual Card

Relevant fields when these payment types are used.

Field	CV field	Format	Description	Value	R, O or CR
cards	PaymentTypeCards	object	Array with one or more card arrays for required fields for this payment type.	"cards": { "card": [ { "cardholderName-D": "Andrew Chia", "cardNumber-D": "512127*****1518", "binIn-D": "512127", "cardAuthorizedAmount-D": 1347.91, "cardExpireDate-D": "07-25", "cardAuthorizationDate-D": "2022-09-15T11:03:46Z", "isPre-AuthorizationReject-D": "False", "cardAvsResponse-D": ""	CR

card	PaymentTypeCard	array	An array introducing card fields. data from an object returned by Braintree/Eway.	Matched", "cardCvvResponse-D": " Matched"	CR
cardholderName-D		string	Cardholder's name.		CR
cardNumber-D		integer	Masked credit card number. Includes tokenised card number.	Example: 512127*****1518	CR
binlin-D	PaymentTypeCardBinlin	bin	Leading six to eleven digits of the card number.  <b>Note:</b> For 6 - 11 digit BIN lookups, Accertify will query the full/encrypted Payment Card Number (PAN)	Example: 512127	CR
cardAuthorizedAmount-D	PaymentAmount	Decimal	Amount authorised for payment in the currency specified in the transaction's currencyCode field.		CR
cardExpireDate-D	ExpirationMonth + "-" + ExpirationYear	DateTime	Credit card expiry date (MM-YY)	Example: 08-22	CR
cardAuthorizationDate-D	CreatedAt	DateTime	Card authorisation request date and time.	Example: 2022-07-04T04:47:14Z	O
isPre-AuthorizationReject-D		string	Whether the transaction is sent to Accertify for checking before or after bank/payment provider confirmation.  Pre-Authortisation is not currently used so the value will always be 'False'.	Default value: False	O
cardAvsResponse-D	CardAvsResponseD.Matched	string	Whether card expiry date user entered matches the card.	Options: Matched, Not Matched	CR
cardCvvResponse-D	CardCvvResponseD.Matched	string	Whether CVV user entered matches the card.	Options: Matched, Not Matched	CR

### If PrimaryPaymentType = eWallet

Relevant fields when eWallet payment types are used.

Field	CV field	Format	Description	Value	R, O or CR
wallets	PaymentTypeEWallets	object	Object with one or more ewallet arrays.	<pre>"wallets": {   "wallet": [     {       "walletType-D": "ApplePay",       "walletAccountHolderName-D": "Michael X Schumaker",       "walletAccountNumber-D": "1234567890abcdefg",       "walletEmailAddress-D": "m.schuy@email.com",       "walletAmount-D": "3333",       "walletStatus-D": "Inactive"     },     {       "walletType-D": "Paypal",       "walletAccountHolderName-D": "Lewis Hamilton",       "walletAccountNumber-D": "ABC1234",       "walletEmailAddress-D": "F1_goat@email.com",       "walletAmount-D": "12.95",       "walletStatus-D": "Active"     }   ] }</pre>	CR
wallet	PaymentTypeEwallet	array	An array introducing ewallet fields. Data returned from Braintree.		CR
walletType-D	n/a	string	Type of wallet used for payment.	Options: Venmo, Google Pay, ApplePay, Paypal	CR

walletAccountHolderName-D	<ul style="list-style-type: none"> <li>Paypal: PayerFirstName + PayerLastName</li> <li>Apple Pay: Cardholder Name</li> <li>Google Pay: FirstName + LastName</li> </ul>	string	Name of the person who owns the wallet account.		CR
walletAccountNumber-D	<ul style="list-style-type: none"> <li>Paypal: PayerId</li> <li>Apple Pay: GlobalId</li> <li>Google Pay: GlobalId</li> </ul>	string	Account number of the wallet account.		CR
walletEmailAddress-D	<ul style="list-style-type: none"> <li>Paypal: PayerEmail</li> <li>Apple Pay: EmailAddress</li> <li>Google Pay: EmailAddress</li> </ul>	string	Email address associated with the wallet account.		CR
walletAmount-D	PaymentAmount	decimal	Amount paid using the wallet account in the currency specified by the transaction currencyCode field.		CR
walletStatus-D	PaymentStatus	string	Status of the wallet account. <b>Note:</b> required only if eWallet	Options: Active, Pending, Inactive	CR

### If PrimaryPaymentType = Giftcard

Required fields when giftcards are used.

Field	CV field	Format	Description	Value	R, O or CR
giftCards	n/a	object	Array introducing one or more giftCard arrays. <b>Note:</b> required if primaryPaymentType=Gift Card.	<pre>"giftCards": {   "giftCard": [     {       "giftCardNumber-D": "#123456789",       "giftCardAmount-D": "1234.56"     },     {       "giftCardNumber-D": "ABC1234567890",       "giftCardAmount-D": "10.95"     }   ] },</pre>	CR
giftCard	n/a	array	Array introducing giftCard fields.		CR
giftCardNumber-D		string	Number associated with the gift card.		O
giftCardAmount-D	n/a	decimal	Amount applied against the gift card in the currency specified by the transaction currencyCode field.		CR

### Items Purchased

Field	CV Field	Format	Description	Value	R, O or CR
items	n/a	Object	Object containing arrays of products purchased.	"items":{ "item": [{ "itemNumber-D":"584213", "itemDescription-D": BOSE SOUNDBAR 900", "itemAmount-D":1347.91, "itemQuantity-D":1.0000, "itemBrandName-D": Bose", "itemCategory-D": Soundbars", "productCondition-D": New", "isGiftCardPurchased-D": "False" }] },	R
item	n/a	Array	An array containing details of a product in the order.		R
itemNumber-D	orderLine.StockCode	string	Product number.		R
itemDescription-D	orderLine.Description	max. 127 char string	Product description.		R
itemAmount-D	orderLine.OrderLineAmount	decimal	Product amount.		O
itemQuantity-D	orderLine.OrderedQty	decimal	Product quantity.		O
itemBrandName-D	orderLine.Product.BrandText	string	Product brandname.		O
itemCategory-D	orderLine.Product.categoryDescription	string	Product category.		O
productCondition-D	n/a	string	Product condition.	Options: New	O
isGiftCardPurchased-D	line.Product.IsGiveXGiftCard	string	Whether a gift card was used.	Options: True, False	O

## Shipping

Field	CV field	Format	Description	Value	R, O or CR
shippings	n/a	Object	Object containing an array with shipping data.	"shippings":{ "shipping":{ "shippingFirstName-D": "Andrew", "shippingLastName-D": "Chia", "shippingBusinessName-D": "ACE Consulting", "shippingLocationType-D": "Business", "shippingAddress-D": "2 Oakwood Avenue", "shippingCity-D": "Dandenong North", "shippingStateCode-D": "VIC", "shippingPostalCode-D": "3175", "shippingCountryCode-D": "AU", "shippingPhoneNumber-D": "0430924122", "shippingPhoneNumberCountryCode-D": "0061", "shippingEmailAddress-D": "info@acec.com.au", "shippingCompany-D": "CNC_5", "shippingMethod"	R

shipping	n.a	Array	Array containing shipping details.	-D": "Other", "deliveryFeeType-D": "Other", "pickupVerificationMethod-D": "ID Card"}},	R
shippingFirstName-D	From PSO.GetNamesForOrder(): order.ContactFirstName user.FirstName extracted from order.SoBillAddr1	string	First name of the person entered for receiving the shipment. Data from first name entered for order. Falls back to saved first name of user, then first billing address field.  <b>Note:</b> Required if purchaseType=Physical Items		CR
shippingLastName-D	From PSO.GetNamesForOrder(): order.ContactLastName user.Surname extracted from order.SoBillAddr1	string	Last name of the person entered for receiving the shipment.  <b>Note:</b> Required if purchaseType=Physical Items		CR
shippingBusinessName-D	order.SoDelAddr1 order.SoBillAddr1 user.DeliveryAddress1	string	Name of the company receiving the shipment if the recipient is a company and not an individual. <b>Note:</b> Required if shippingLocationType= Business or Site-to-Store		CR
shippingLocationType-D	Business	string			
shippingAddress-D	order.SoDelAddr2 order.SoBillAddr2 user.DeliveryAddress2	30 character string	Address, street name, and building number as applicable to the person receiving the shipment.  <b>Note:</b> Required if purchaseType=Physical Items		CR
shippingCity-D	order[AddressRuleSets.AssignmentsSuburbField] order.SoDelAddr5 order.SoDelSuburb user.DeliverySuburb	string	Customer city, town, or locality as applicable of the person receiving the shipment.  <b>Note:</b> Required if shippingAddress-D exists.		CR
shippingStateCode-D	order[AddressRuleSets.AssignmentsStateField] order.SoDelAddr4 order.SoDelState user.DeliveryState  <b>Note:</b> This value is converted into the state code using a mapping list from SystemControl.Live.StateCodeAndNameMapping (eg. Queensland QLD)	string	State, province, or region code of the receiving address entered in ISO 3166-2.  <b>Note:</b> Required if shippingCountry has them and shippingAddress exists.		CR
shippingPostalCode-D	order[AddressRuleSets.AssignmentsPostcodeField] order.SoDelAddr7 order.SoDelPostcode user.DeliveryPostCode	string	Postal code of receiving address validated against the GeoPostcodes database.  <b>Note:</b> Required if the shippingCountry has them and shippingAddress exists.		CR
shippingCountryCode-D	Currently hard-coded.		Two-letter ISO 3166-1 code for country of shipment address.  <b>Note:</b> Required if shippingAddress exists.		CR
shippingPhoneNumber-D	order.ContactPhoneNumber order.SoDelPhone user.PhoneNumber	integer	Phone number entered for the shipment excluding country prefix.  <b>Note:</b> Required if purchaseType = Physical Items.		CR
shippingPhoneNumberCountryCode-D	Currently hard-coded.	integer	Country code for the phone number entered for the shipment.  <b>Note:</b> Required if shippingPhoneNumber exists.		CR
shippingEmailAddress-D	order.EmailAddressForGuestUser user.ValidEmailAddress	string	Email address of the shipment recipient.  <b>Note:</b> Required if purchaseType = Physical Items.		CR
shippingCompany-D	order.CarrierCode	string	Name of shipping company for merchant-to-consumer initial delivery.  <b>Note:</b> Required if purchaseType = Physical Items.		CR
shippingMethod-D	Order.FreightLine.SolLineDescription	string	Type of shipping method used as found in SolLineDescription where a value can only be 'Standard' or 'Express'. If neither is found, 'Other' is used.  <b>Note:</b> Required if shippingCompany-D exists.	Options: Standard, Express, Other	CR
deliveryFeeType-D		string	Delivery fee type	Default: Other	CR
pickupVerificationMethod-D	Currently hard-coded.	string	Verification method if pickup selected.	Default: ID card  Other: Id Card, Signature	CR

## Device Info

Field	CV field	Format	Description	Value	R, O or CR
deviceInfo	n/a	block	Array introducing the deviceInfo fields	"deviceInfo": {  "deviceTransactionId": "DID-b49aa724-bba4-4e48-bea5-8359ce8203d3" },	R



deviceTransactionId	n/a		Token Id generated to make a call to Accertify to verify device information.	DID_ + new Guid Example: DID-b49aa724-bba4-4e48-bea5-8359ce8203d3	R
---------------------	-----	--	--	--	---

### Accertify Results

Field	CV field	Format	Description	Value	R, O or CR
actionCode	n/a		Decision response returned from Accertify.	Options: 'Accept', 'Review', 'Reject' Example: "actionCode": "Review"	R

### Additional Information

<b>Minimum Version Requirements</b>	4.37.00
<b>Prerequisites</b>	**
<b>Self Configurable</b>	Yes
<b>Business Function</b>	Security
<b>BPD Only?</b>	Yes
<b>B2B/B2C/Both</b>	Both
<b>Third Party Costs</b>	Yes

### Related help

- [Accertify Fraud Check JSON Data Fields](#)
- [Accertify Fraud Check Integration](#)
- [Accertify API Responses](#)
- [Accertify-Braintree Response Mapping](#)